

For Maintenance and Safety

INDIAN CHALLENGER, PURSUIT, CHIEFTAIN POWERPLUS, ROADMASTER POWERPLUS OWNER'S MANUAL



2025



WARNING

Read, understand, and follow all of the instructions and safety precautions in this manual and on all product labels.

Failure to follow the safety precautions could result in serious injury or death.



WARNING

Operating, servicing, and maintaining a passenger vehicle or off-road vehicle can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your vehicle.

For more information go to www.P65Warnings.ca.gov/passenger-vehicle.



2025 Rider's Manual

INDIAN CHALLENGER

INDIAN PURSUIT

INDIAN CHIEFTAIN POWERPLUS

INDIAN ROADMASTER POWERPLUS

All information contained within this publication is based on the latest product information available at the time of publication. Product improvements or other changes may result in differences between this manual and the motorcycle. Depictions and/or procedures in this publication are intended for reference use only.

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CONGRATULATIONS

Congratulations on your purchase of a new INDIAN MOTORCYCLE. You have joined an elite family of motorcycle riders who have acquired a celebrated piece of American history by choosing to own an INDIAN MOTORCYCLE.

Your new motorcycle is the end result of true dedication and craftsmanship by our engineering, design and assembly teams. It was designed and manufactured to meet our goal of providing you with a high quality motorcycle that you can ride trouble-free for many years to come. We hope you will take as much pride in riding your new motorcycle as our team did in building it for you.

We urge you to read this rider's manual thoroughly. It contains information essential to safe riding and proper maintenance of your motorcycle.

Your authorized INDIAN MOTORCYCLE dealer knows your motorcycle best and should be consulted for service and assistance. Skilled technicians using advanced equipment and methods are best qualified to perform all major repairs and service your motorcycle may require.

INDIAN MOTORCYCLE complies with all federal, state and local safety and emission regulations for the area of intended sale.

SAFETY SYMBOLS AND SIGNAL WORDS

The following signal words and symbols appear throughout this manual and on your vehicle. Your safety is involved when these words and symbols are used. Become familiar with their meanings before reading the manual.



DANGER indicates a hazardous situation which, if not avoided, **WILL** result in death or serious injury.



WARNING indicates a hazardous situation which, if not avoided, **COULD** result in death or serious injury.



CAUTION indicates a hazardous situation which, if not avoided, **COULD** result in minor to moderate injury.

NOTICE

NOTICE provides key information by clarifying instructions.

IMPORTANT

IMPORTANT provides key reminders during disassembly, assembly, and inspection of components.

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INTRODUCTION

IDENTIFICATION NUMBER RECORDS

Record important identification numbers below:

Vehicle Identification Number (VIN)	
Engine Identification Number	
Master PIN	
Rider PIN	
Key Fob #1 Serial Number	
Key Fob #2 Serial Number (optional)	

SERVICE AND WARRANTY INFORMATION

Some procedures are beyond the scope of this manual. See your dealer to purchase an *INDIAN MOTORCYCLE Service Manual*. Some procedures provided in the service manual require specialized knowledge, equipment, and training. Be sure you have the required technical skills and tools that are needed before you attempt ANY service on your motorcycle. Please contact your authorized dealer before attempting any service work that is beyond your level of technical knowledge or experience, or if the work requires specialized equipment.

OPERATING MOTORCYCLE OUTSIDE THE U.S.A.

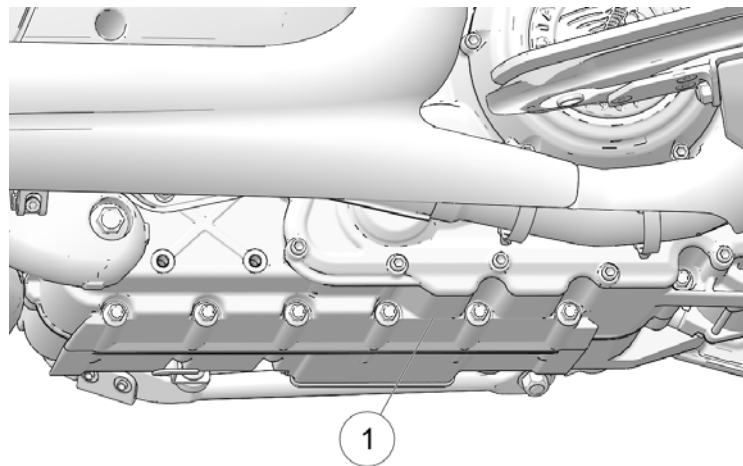
If you plan to operate your motorcycle in countries other than the USA and Canada:

- Service facilities or replacement parts may not be readily available.
- Unleaded gasoline may not be available. The use of leaded fuels will cause engine damage, damage to your emissions systems and voiding of your warranty.
- Gasoline may have a considerably lower octane rating. Improper fuel can cause engine damage.

INTRODUCTION

ENGINE IDENTIFICATION NUMBER

The engine number ① is stamped into the right crankcase beneath the balance shaft cover. The engine number is positioned behind the right floorboard with the engine installed in the frame. Record the number in the space provided on page 7.



DEVICE COMPLIANCE STATEMENTS

NOTICE

Some vehicle models contain radio equipment as follows:

USA RADIO COMPLIANCE

This vehicle contains the following radio equipment or components that contain radio equipment:

COMPONENT	COMPONENT ID	MANUFACTURER
9200 Series Display	RC-7	Polaris Industries Inc.
Tire Pressure Monitoring System (TPMS) Sensor, Model RDC3 (433 MHz)	4019660	Schrader® Electronics
Key Fob, Model SK1 (433 MHz)	4017761/4017768	Marquardt® Switches, Inc.
Wireless Control Module (WCM), Model SE1	4019281	Marquardt® Switches, Inc.
Rear Radar	1914144	Bosch®
Telematic Control Unit (TCU)	4082894	Appareo SM

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

INTRODUCTION



Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Radiofrequency radiation exposure Information:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

CANADA RADIO COMPLIANCE

This vehicle contains the following radio equipment or components that contain radio equipment:

COMPONENT	COMPONENT ID	MANUFACTURER
9200 Series Display	RC-7	Polaris Industries Inc.
Tire Pressure Monitoring System (TPMS) Sensor, Model RDC3 (433 MHz)	4019660	Schrader® Electronics
Key Fob, Model SK1 (433 MHz)	4017761/4017768	Marquardt® Switches, Inc.
Wireless Control Module (WCM), Model SE1	4019281	Marquardt® Switches, Inc.
Rear Radar	1914144	Bosch®
Telematic Control Unit (TCU)	4082894	Appareo SM

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

- 1. This device may not cause interference.
- 2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- 1. (1) l'appareil ne doit pas produire de brouillage, et
- 2. (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

INTRODUCTION

Radiofrequency radiation exposure Information:

This equipment complies with FCC and IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps. Ce transmetteur ne doit pas être placé au même endroit ou utilisé simultanément avec un autre transmetteur ou antenne.

EUROPEAN UNION (EU) RADIO COMPLIANCE

This vehicle contains the following radio equipment or components that contain radio equipment:

COMPONENT	9200 Series Display	Tire Pressure Monitoring System (TPMS) Sensor, Model RDC3 (433 MHz)	Key Fob, Model SK1 (433 MHz)	Wireless Control Module (WCM), Model SE1	Rear Radar	Telematic Control Unit (TCU)
COMPONENT ID	RC-7	4019660	4017761/4017-768	4019281	1914144	4082895
MANUFACTURER	Polaris Industries Inc.	Schrader® Electronics	Marquardt® Switches, Inc.	Marquardt® Switches, Inc.	Bosch®	Appareo SM
TRANSMITTING FREQUENCY	2402–2480 MHz	433.92 MHz	433.92 MHz	0.02185 MHz	76-77 GHz	LTE, WCDMA, GPRS (703-2690 MHz)
MAX RF TRANSMITTING PWR	0.2432 W	< 10 mW (e.r. p.)	38.75 dBµV/m @ 3 m	21.2 dBµV/m @ 300 m	24.2 dBµ	LTE, WCDMA: +25 dBµ GPRS: +35 dBµ

Hereby, Polaris Industries Inc. declares that the above radio equipment is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:

<https://www.polaris.com/en-us/radio-conformity/>

Hereby, Robert Bosch GmbH declares that the radio equipment type MRR1Rear is in compliance with Directive 2014/53/EU.

INTRODUCTION

The full text of the EU declaration of conformity is available at the following internet address: <http://eu-doc.bosch.com>

(DE) EU-KONFORMITÄTSERKLÄRUNG

Hiermit erklärt Robert Bosch GmbH, dass der Funkanlagentyp **MRR1Rear** der Richtlinie 2014/53/EU entspricht. Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar: <http://eu-doc.bosch.com>

(BG) ЕС ДЕКЛАРАЦИЯ ЗА СЪОТВЕТСТВИЕ

С настоящото Robert Bosch GmbH декларира, че този тип радиосъоръжение **MRR1Rear** е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес: <http://eu-doc.bosch.com>

(HR) EU IZJAVA O SUKLADNOSTI

Robert Bosch GmbH ovime izjavljuje da je radijska oprema tipa **MRR1Rear** u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: <http://eu-doc.bosch.com>

(EL) ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ

Με την παρούσα ο/η Robert Bosch GmbH, δηλώνει ότι ο ραδιοεξοπλισμός **MRR1Rear** πληροί την οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται στην ακόλουθη ιστοσελίδα στο διαδίκτυο: <http://eu-doc.bosch.com>

(CS) EU PROHLÁŠENÍ O SHODĚ

Tímto Robert Bosch GmbH prohlašuje, že typ rádiového zařízení **MRR1Rear** je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese: <http://eu-doc.bosch.com>

(DA) EU-OVERENSSTEMMELSESESKLÆRING

Hermed erklærer Robert Bosch GmbH, at radioudstyrstypen **MRR1Rear** er i overensstemmelse med direktiv 2014/53/EU. EU-overensstemmelseerklæringens fulde tekst kan findes på følgende internetadresse: <http://eu-doc.bosch.com>

(ET) ELI VASTAVUSDEKLARATSIOON

Käesolevaga deklareerib Robert Bosch GmbH, et käesolev raadioseadme tüüp **MRR1Rear** vastab direktiivi 2014/53/EL nõuetele. ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil: <http://eu-doc.bosch.com>

(FI) EU- VAATIMUSTENMUKAISUUSVAKUUTUS

Robert Bosch GmbH vakuuttaa, että radiolaitetyyppi **MRR1Rear** on direktiivin 2014/53/EU mukainen.

EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti on saatavilla seuraavassa internetosoitteessa: <http://eu-doc.bosch.com>

(FR) DECLARATION UE DE CONFORMITE

Le soussigné, Robert Bosch GmbH, déclare que l'équipement radioélectrique du type **MRR1Rear** est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité est disponible à l'adresse internet suivante: <http://eu-doc.bosch.com>

(HU) EU-MEGFELELŐSÉGI NYILATKOZAT

Robert Bosch GmbH igazolja, hogy a **MRR1Rear** típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: <http://eu-doc.bosch.com>

(IT) DICHIARAZIONE DI CONFORMITÀ UE

Il fabbricante, Robert Bosch GmbH, dichiara che il tipo di apparecchiatura radio **MRR1Rear** è conforme alla direttiva 2014/53/UE. Il testo completo della dichiarazione di conformità UE è disponibile al seguente indirizzo Internet: <http://eu-doc.bosch.com>

(LV) ES ATBILSTĪBAS DEKLARĀCIJA

Ar šo Robert Bosch GmbH deklarē, ka radioiekārta **MRR1Rear** atbilst Direktīvai 2014/53/ES. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā interneta vietnē: <http://eu-doc.bosch.com>

(LT) ES ATITIKTIES DEKLARACIJA

Aš, Robert Bosch GmbH, patvirtinu, kad radijo įrenginių tipas **MRR1Rear** atitinka Direktyvą 2014/53/ES. Visas ES atitikties deklaracijos tekstas prieinamas šiuo interneto adresu: <http://eu-doc.bosch.com>

(MT) DIKJARAZZJONI TA' KONFORMITÀ TAL-UE

B'dan, Robert Bosch GmbH, niddikjara li dan it-tip ta' tagħmir tar-radju **MRR1Rear** huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: <http://eu-doc.bosch.com>

(NL) EU-CONFORMITEITSVERKLARING

Hierbij verklaar ik, Robert Bosch GmbH, dat het type radioapparatuur **MRR1Rear** conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: <http://eu-doc.bosch.com>

INTRODUCTION

(PL) DEKLARACJA ZGODNOŚCI UE

Robert Bosch GmbH niniejszym oświadcza, że typ urządzenia radiowego **MRR1Rear** jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: <http://eu-doc.bosch.com>

(PT) DECLARAÇÃO UE DE CONFORMIDADE

O(a) abaixo assinado(a) Robert Bosch GmbH declara que o presente tipo de equipamento de rádio **MRR1Rear** está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: <http://eu-doc.bosch.com>

(RO) DECLARAȚIA UE DE CONFORMITATE

Prin prezenta, Robert Bosch GmbH declară că tipul de echipamente radio **MRR1Rear** este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației UE de conformitate este disponibil la următoarea adresă internet: <http://eu-doc.bosch.com>

(SK) EÚ VYHLÁSENIE O ZHODE

Robert Bosch GmbH týmto vyhlasuje, že rádiové zariadenie typu **MRR1Rear** je v súlade so smernicou 2014/53/EÚ. Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto interneto

The TEC Number from the Notified Body KL-Certification GmbH is:
TEC Number: T.2023.02.0004
Notified Body Number: 2784

Type approval mark according to local authority:



JAPAN RADIO COMPLIANCE

This vehicle contains the following radio equipment or components that contain radio equipment:

COMPONENT	COMPONENT ID	MANUFACTURER
9200 Series Display	RC-7	Polaris Industries Inc.
Key Fob, Model SK1 (315 MHz)	4019468/4019469	Marquardt® Switches, Inc.
Wireless Control Module (WCM), Model SE1	4019281	Marquardt® Switches, Inc.
Rear Radar	1914144	Bosch®
Telematic Control Unit (TCU)	4082895	Appareo SM

当該機器には電波法に基づく、技術基準適合証明等を受けた特定無線設備を装着している。

Translation: This equipment contains specified radio equipment that has been certified to the technical regulation conformity certification under the Radio Law.

本無線機器の改造を禁ずる（これに反した場合は当該認証登録番号は無効となる）

Translation: This radio device should not be modified (otherwise the granted designation number will become invalid)



INTRODUCTION

MEXICO RADIO COMPLIANCE

This vehicle contains the following radio equipment or components that contain radio equipment:

COMPONENT	COMPONENT ID	MANUFACTURER	IFETEL CERTIFICATE
9200 Series Display	RC-7	Polaris Industries Inc.	RCPPORC20-1082
Tire Pressure Monitoring System (TPMS) Sensor, Model RDC3 (433 MHz)	4019660	Schrader® Electronics	RLVSCRD16-0534
Key Fob, Model SK1 (433 MHz)	4017761/4017768	Marquardt® Switches, Inc.	RLVPOSK19-1418
Wireless Control Module (WCM), Model SE1	4019281	Marquardt® Switches, Inc.	RLVPOSE19-1419
Rear Radar	1914144	Bosch®	RCPBOMR14-0922
Telematic Control Unit (TCU)	4082895	Appareo SM	POPOTC24-07625

IFETEL:

La operación de este equipo está sujeta a las siguientes dos condiciones:

1. Es posible que este equipo o dispositivo no cause interferencia perjudicial.
2. Este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.



取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

справжнім (Robert Bosch GmbH) заявляє, що тип радіобладнання (MRR1Rear) відповідає Технічному регламенту радіобладнання; повний текст декларації про відповідність доступний на веб-сайті за такою адресою:

(<http://ita.bosch.com/radar>)

Hereby, Robert Bosch GmbH declares that the radio equipment type MRR1Rear is in compliance with Radio Equipment Regulations 2017. The full text of the UK declaration of conformity is available at the following internet address:

<https://ita.bosch.com>

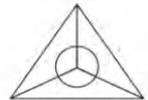
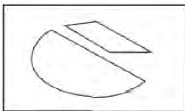
This telecommunication equipment "BOSCH Radar Sensor MRR1Rear " conforms to technical standard NTC TS 1011-2549.

This telecommunication equipment "BOSCH Radar Sensor MRR1Rear " has EMF radiation and conforms to NTC exposure standard NTC TS 5001-2550.

This equipment "BOSCH Radar Sensor MRR1Rear " is operating more than 20cm away from human body in normal operating condition.

- 1) เครื่องโทรคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามมาตรฐานหรือข้อกำหนดของ กสทช.
- 2) เครื่องวิทยุคมนาคมนี้มีระดับการแผ่คลื่นแม่เหล็กไฟฟ้าสอดคล้องตามมาตรฐานความปลอดภัยต่อสุขภาพของมนุษย์จากการใช้เครื่องวิทยุคมนาคมที่คณะกรรมการกิจการโทรคมนาคมแห่งชาติประกาศกำหนด

INTRODUCTION

 CLASS A NBTC ID. A57005-14-XXXX	Complies with IMDA Standards DA105282	 TA-2014/212 APPROVED
 เครื่องวิทยุคมนาคมนี้ ได้รับยกเว้น ไม่ต้องได้รับใบอนุญาตให้มี ใช้ซึ่งเครื่องวิทยุคมนาคมหรือตั้งสถานีวิทยุคมนาคมตามประกาศ กสทช. เรื่อง เครื่องวิทยุคมนาคม และสถานีวิทยุคมนาคมที่ได้รับยกเว้นไม่ต้องได้รับใบอนุญาตวิทยุคมนาคมตามพระราชบัญญัติวิทยุคมนาคม พ.ศ. 2498	 CIDF15000490	 2019-05-I-000236
 กสทช. โทรคมนาคม กำกับดูแลเพื่อประชาชน Call Center 1200 (Insws)	AGREE PAR L'ANRT MAROC Numéro d'agrément: MR 9186 ANRT 2014 Date d'agrément: 26/10/2022	 UA RF: 1BOSC0005
	 CCAF22LP1860T6	

REPORTING SAFETY DEFECTS

If you believe that your vehicle has a defect that could result in a crash or cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying INDIAN MOTORCYCLE in writing.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your INDIAN MOTORCYCLE dealer or INDIAN MOTORCYCLE.

To contact NHTSA, or obtain other information about motor vehicle safety, you may either call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153), visit the NHTSA website at www.safercar.gov, or write to:

ADMINISTRATOR, NHTSA
1200 New Jersey Avenue, SE
West Building
Washington, DC 20590

ELECTROMAGNETIC INTERFERENCE

This vehicle complies with UN ECE Regulation 10 requirements and Canadian ICES-002.

REPORTING SAFETY DEFECTS (CANADA)

To report a safety defect to Transport Canada, you may either fill out an online defect complaint form at their website (English: <http://www.tc.gc.ca/recalls>, French: <http://www.tc.gc.ca/rappels>) or contact their Defect Investigations and Recalls Division by calling toll-free 1-800-333-0510 (Canada) or 819-994-3328 (Ottawa-Gatineau area / International).

SAFETY

ABOUT THE RIDER'S MANUAL



WARNING

Failure to follow all recommended precautions and procedures could result in serious injury or death. Always heed all safety precautions and follow all operation, inspection and maintenance procedures outlined in this manual.

All references to RIGHT, LEFT, FRONT or REAR are from the operator's perspective when seated in a normal riding position. If you have questions about the operation or maintenance of your motorcycle after you've read this manual, please see your authorized dealer. To locate the nearest authorized INDIAN MOTORCYCLE dealer, visit the INDIAN MOTORCYCLE website at <https://www.indianmotorcycle.com/en-us/>.

Carefully read and understand the information found in the *Safety* section beginning on this page. To keep your motorcycle in peak condition on the road or in storage, understand and follow the procedures outlined in the *Maintenance* section beginning on page 122.

Bring the manual along when you ride. Following the precautions and procedures in the manual will add to your enjoyment and help keep you safe. If you lose or damage this manual, please purchase a new one through any authorized INDIAN MOTORCYCLE dealer. This rider's manual should be considered part of the motorcycle and should remain with the motorcycle when ownership changes.

For the most up-to-date owner's manual visit
<https://www.indianmotorcycle.com/en-us/owners-manuals>.

SAFE RIDING PRACTICES



WARNING

Improper use of a motorcycle can result in serious injury or death to you, your passenger and others. To minimize the risk of injury, read and understand the information contained in this section before operating the motorcycle. This section contains safety information specific to the INDIAN MOTORCYCLE, as well as information about general motorcycle safety. Anyone who rides the motorcycle (operators and passengers) must follow these safety precautions.

MOTORCYCLING HAS INHERENT RISKS

You can minimize those risks, but you can't eliminate them completely. Even if you're an experienced motorcycle operator or passenger, read all of the safety information in this manual before operating the motorcycle.

SAFETY

- Take a rider education course from the Motorcycle Safety Foundation® or another qualified instructor. The course will help you develop or refresh your expertise in safe riding habits through instruction and riding. For information on Motorcycle Safety Foundation® rider education courses in your area, call 1-800-446-9227 or visit <https://msf-usa.org/>.
- Read, understand, and follow all information in this manual.
- Observe all maintenance requirements specified in this manual. See the INDIAN MOTORCYCLE Service Manual or an authorized INDIAN MOTORCYCLE dealer.

DESIGN CHARACTERISTICS AFFECT RIDING

- The motorcycle is designed for on-road use with one rider (and one passenger if the motorcycle is equipped with a passenger seat). *Never exceed the GVWR or the GAWR.* Refer to the *Specifications* section, or the Manufacturing Information/VIN label on the motorcycle frame for model-specific information.
- Riding off-road, riding with more than one passenger, or carrying weight exceeding the maximum weight rating can make handling difficult, which could cause loss of control.
- During the first 500 miles (800 km) of operation, follow all break-in procedures as outlined on page 109. Failure to do so can result in serious engine damage.
- If your motorcycle is equipped with saddlebags, a windshield or a passenger backrest, be prepared to reduce operating speed to maintain stability.

FOLLOW THESE GENERAL SAFE RIDING PRACTICES

- Before each ride, perform the Pre-Ride Inspections. Failure to do so may result in damage to the motorcycle or an accident.
- Until you're thoroughly familiar with the motorcycle and all of its controls, practice riding where there is little or no traffic. Practice riding at a moderate speed on various road surfaces and in different weather conditions.
- Know your skills and limits, and ride within them.
- Allow only licensed, experienced operators to ride your motorcycle, and then only after they have become familiar with its controls and operation. Make sure all riders read and understand this rider's manual before riding.
- Do not ride when you're fatigued, ill or under the influence of alcohol, prescription drugs, over-the-counter drugs or any other drugs. Fatigue, illness, alcohol and drugs can cause drowsiness, loss of coordination and loss of balance. They can also affect your awareness and judgment.
- If your motorcycle operates abnormally, correct the problem immediately. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer.
- Ride defensively, as if you are invisible to other motorists, even in broad daylight. *A motorist's failure to see or recognize a motorcycle is the leading cause of automobile/motorcycle accidents.* Ride where you're clearly visible to other motorists, and observe their behavior carefully.
- Be especially cautious at intersections, as these are the most likely places for an accident.

- To prevent loss of control, keep your hands on the handlebars and your feet on the footrests.
- Be aware that a highway bar is not designed to protect the rider from injury in a collision.
- Obey the speed limit and adjust your speed and riding technique based on road, weather and traffic conditions. As you travel faster, the influence of all other conditions increases, which can affect the motorcycle's stability and increase the possibility of losing control.
- Do not move or operate the motorcycle with the steering locked (if equipped), as the severely restricted steering could result in loss of control.
- Reduce speed when:
 - The road has potholes or is otherwise rough or uneven.
 - The road contains sand, dirt, gravel or other loose substances.
 - The road is wet, icy or oily.
 - The road contains painted surfaces, manhole covers, metal grating, railway crossings or other slippery surfaces.
 - The weather is windy, rainy or otherwise causing slippery or rapidly changing conditions.
 - Traffic is heavy, congested, not allowing sufficient space between vehicles or otherwise not flowing smoothly.
 - You are being passed in either direction by a large vehicle that may produce a wind blast in its wake.
- When approaching a curve, choose a speed and lean angle that allows you to pass through the curve in your own lane without applying the brakes. Excessive speed, improper lean angle or braking in a curve can cause loss of control.
- Ground clearance is reduced when the motorcycle leans. Do not allow components to contact the road surface when leaning the motorcycle in a curve, as this could cause loss of control.
- Do not tow a trailer. Towing a trailer can make the motorcycle hard to handle.
- Retract the sidestand fully before riding. If the sidestand is not fully retracted, it could contact the road surface and cause loss of control.
- To maximize braking effectiveness, *use the front and rear brakes together*. Be aware of the following braking facts and practices:
 - The rear brake provides 40% of the motorcycle's stopping power, at most. Use the front and rear brakes together.
 - To avoid skidding, apply the brakes gradually when the road is wet or rough, or contains loose or other slippery substances.
 - If possible, avoid applying the brakes while making a turn. Motorcycle tires have less traction during turns, so braking will increase the possibility of skidding. Bring the motorcycle to the upright position before applying the brakes.
 - With new pads and rotors, brake performance will be less effective. Avoid using brakes harshly, unless in an emergency, to allow pads to mate with rotors. Brake efficiency will gradually increase during this seating period.
- Hot engine and exhaust components can cause burns to skin and can ignite a fire if exposed to flammable materials. Always park the motorcycle clear of flammable materials and where people are not likely to contact hot components.

PROTECTIVE APPAREL

IMPORTANT

Wear protective apparel to decrease the risk of injury and increase riding comfort.

- Always wear a helmet that meets or exceeds established safety standards. Approved helmets in the USA and Canada bear a U.S. Department of Transportation (DOT) label. Approved helmets in Europe, Asia and Oceania bear the ECE 22.05 label. The ECE mark consists of a circle surrounding the letter E, followed by the distinguishing number of the country which has granted approval. The approval number and serial number will also be displayed on the label. Laws in some areas *require* that you wear an approved helmet. Head injuries are the leading cause of fatalities in accidents involving motorcycles. Statistics prove that an approved helmet is the most effective protection in preventing or reducing head injuries. The helmet should fit snugly, be securely fastened, have no obvious defects, and have not previously been involved in an accident/crash.
- Wear eye protection to protect eyes from wind or airborne particles and objects. Wearing a face shield can help protect your face in an accident/crash and protect face from wind or airborne particles or objects. Laws in some areas *require* that you wear eye protection. We recommend that you wear approved Personal Protective Equipment (PPE) bearing markings such as VESC 8, V-8, Z87.1, or CE. Make sure protective eyewear is kept clean.

- All riders should wear bright or light-colored and/or reflective clothing to improve visibility to other motorists. *A motorist's failure to see or recognize a motorcycle is the leading cause of automobile/motorcycle accidents.*
- Wear gloves, a jacket, heavy boots and long pants to prevent or reduce injury from abrasions, lacerations or burns should the motorcycle fall. Wear boots with low heels, as high heels can catch on pedals or footrests. The combination of boots and pants should completely cover legs, ankles and feet, protecting skin from engine and exhaust system heat.
- Do not wear loose, flowing clothing or long boot laces, as they can catch on handlebars, levers or footrests, or they can become entangled in the wheels, causing loss of control and serious injury.

CARRYING A PASSENGER



WARNING

Do not carry a passenger unless the motorcycle is equipped with passenger seat and passenger footrests.

CARRYING CARGO

Use the following guidelines when attaching cargo or accessories to the motorcycle. Where applicable, these guidelines also refer to the contents of any accessories.

- Keep cargo and accessory weight to a minimum, and keep items as close to the motorcycle as possible to minimize a change in the motorcycle's center of gravity. Changing the center of gravity can cause loss of stability and handling and could cause loss of control.
- Adjust ride height as needed. See page 152.
- Do not exceed the GROSS VEHICLE WEIGHT RATING (GVWR) or the GROSS AXLE WEIGHT RATING (GAWR) for your motorcycle.
- Distribute weight evenly on both sides of the motorcycle. Maintain even weight distribution by checking accessories and cargo to make sure they're securely attached to the motorcycle before riding and whenever you take a break from riding. Uneven weight distribution or sudden shifting of accessories or cargo while you're riding may cause difficult handling, loss of control and driving hazards for other motorists (if cargo falls from the motorcycle).
- For riding comfort and to ensure proper ground clearance, adjust rear shock air pressure (if equipped) as specified on the label located under the left side cover. See page 152.
- Do not attach large or heavy cargo such as sleeping bags, duffel bags or tents to the handlebars, front fork area or front fender. Cargo or accessories placed in these areas can cause instability (due to improper weight distribution or aerodynamic changes) and could cause loss of control. Such items can also block air flow to the engine and cause overheating that can damage the engine.
- Do not exceed the maximum cargo weight limit of any accessory (see accessory instructions and labels). Do not attach cargo to an accessory not designed for that purpose. Either circumstance could result in an accessory failure that could cause loss of control.
- Always obey posted speed limits.
- Do not attach anything to the motorcycle unless specifically designed for that purpose by INDIAN MOTORCYCLE.

SADDLEBAGS AND OTHER STORAGE

Whenever operating a motorcycle equipped with cargo storage features such as saddlebags, racks, glove boxes or other storage compartments:

- Never ride at excessive speeds. Storage features and cargo, combined with the lifting or buffeting effects of wind, can make a motorcycle unstable and cause loss of control.
- Distribute weight evenly on each side of the motorcycle.
- Do not exceed the individual weight limit of any saddlebag or other storage compartment. Refer to the storage capacity label located on or near the storage feature.
- NEVER EXCEED the GROSS VEHICLE WEIGHT RATING (GVWR) or the GROSS AXLE WEIGHT RATING (GAWR), regardless of whether or not any storage feature is loaded to capacity. Exceeding the weight rating can reduce stability and handling and cause loss of control.
- Adjust ride height as needed. See page 152.

SAFETY

USE OF ACCESSORIES

Because INDIAN MOTORCYCLE cannot test and make specific recommendations concerning every accessory or combination of accessories sold, the operator is responsible for determining that the motorcycle can be safely operated with any accessories or additional weight. Use the following guidelines when choosing and installing accessories:

- Do not install accessories that impair operator visibility or the stability, handling or operation of the motorcycle. Before installing an accessory, be sure that it does not:
 - reduce ground clearance when the motorcycle is either leaned or in a vertical position;
 - limit suspension or steering travel or your ability to operate controls;
 - displace you from your normal riding position;
 - obscure lights or reflectors.
- Bulky, heavy or large accessories can cause instability (due to the lifting or buffeting effects of wind) and loss of control.
- Do not install electrical accessories that exceed the capacity of the motorcycle's electrical system. Never install higher wattage light bulbs than those supplied as original equipment. An electrical failure could result and cause hazardous loss of engine power or lights, or damage to the electrical system.
- Use only genuine INDIAN MOTORCYCLE accessories designed for your model.
- Do not exceed the GROSS VEHICLE WEIGHT RATING (GVWR) or the GROSS AXLE WEIGHT RATING (GAWR) for your motorcycle.
- Adjust ride height as needed. See page 152.

MODIFICATIONS

Modifying the motorcycle by removing any equipment or by adding equipment not approved by the manufacturer may void your warranty. Some modifications may not be legal in your area of operation. If in doubt, contact your authorized INDIAN MOTORCYCLE dealer.



Modifications could make the motorcycle unsafe to ride and could result in serious injury to operator or passenger, as well as damage to the motorcycle.

PARKING THE MOTORCYCLE

When leaving the motorcycle unattended, turn the engine off.

NOTICE

Do not store your key fob near the motorcycle.

Park the motorcycle where people are not likely to touch the hot engine or exhaust system or place combustible materials near these hot areas. Do not park near a flammable source such as a kerosene heater or an open flame, where hot components could ignite combustible materials.

Park the motorcycle on a firm, level surface. Sloped or soft surfaces may not support the motorcycle. If you must park on a slope or soft surface, follow the precautions outlined on page 119.

ANTI-LOCK BRAKE SYSTEM RESPONSE

When the anti-lock brakes engage during a braking event, the rider will feel pulsing at the brake levers. *Continue to apply steady pressure to the brakes for the best stopping performance.*

FUEL AND EXHAUST SAFETY

Always heed these fuel safety warnings when refueling or servicing the fuel system.



Gasoline is highly flammable and explosive under certain conditions.

- Always exercise extreme caution whenever handling gasoline.
- Always turn off the engine before refueling.
- Always refuel outdoors or in a well-ventilated area.
- Open the fuel cap slowly. Do not overfill the tank. Do not fill the tank neck.
- Do not smoke or allow open flames or sparks in or near the area where refueling is performed or where gasoline is stored.



Gasoline and gasoline vapors are poisonous and can cause serious injury.

- Do not swallow gasoline, inhale gasoline vapors, or spill gasoline. If you swallow gasoline, inhale more than a few breaths of gasoline vapor, or get gasoline in your eyes, see a physician immediately.
- If gasoline spills on your skin or clothing, immediately wash it off with soap and water and change clothing.
- Exhaust gases contain carbon monoxide, a colorless, odorless gas that can cause loss of consciousness or death in a short time.
- Never start the engine or let it run in an enclosed area.
- Never inhale exhaust gases.

SAFETY MAINTENANCE

WARNING

Failure to perform safety maintenance as recommended can result in difficult handling and loss of control, which could result in serious injury or death. Always perform the safety maintenance procedures as recommended in this manual. Perform maintenance and repairs promptly. See the INDIAN MOTORCYCLE Service Manual or an authorized INDIAN MOTORCYCLE dealer or other qualified dealer.

- Before each ride, perform the *Pre-Ride Inspections* on page 99.
- Perform all periodic maintenance at the recommended intervals outlined in the *Periodic Maintenance* section.
- Always maintain proper tire pressure, tread condition and wheel and tire balance. Inspect tires regularly and replace worn or damaged tires promptly. Use only approved replacement tires. See the *Specifications* section.
- Always ensure proper steering head bearing adjustment. Regularly inspect the rear shock absorber and the front forks for fluid leaks or damage. Make any necessary repairs promptly. See page 154.
- Clean the motorcycle thoroughly to reveal items in need of repair.
- Fasteners must meet original specifications for quality, finish and type to ensure safety. Use only genuine INDIAN MOTORCYCLE replacement parts, and ensure that all fasteners are tightened to the proper torque.

TRANSPORTING THE MOTORCYCLE

If you must transport the motorcycle:

- Use a truck or trailer. Do not tow the motorcycle with another vehicle, as towing will impair the motorcycle's steering and handling.
- Position and restrain the motorcycle in an upright position.
- Do not restrain the motorcycle using the handlebars.
- Loop tiedown straps (from the front) up and over the lower triple clamp, using care to not interfere with wiring and brake lines. Place tiedowns as wide apart as possible on the truck or trailer bed for best stability.
- Do not engage the side stand during truck or trailer transportation.

GROSS VEHICLE WEIGHT RATING (GVWR)

WARNING

Exceeding the gross vehicle weight rating of your motorcycle can reduce stability and handling and could cause loss of control. NEVER exceed the GVWR of your motorcycle.

The *maximum load capacity* of your motorcycle is the maximum weight you may add to your motorcycle *without exceeding the GVWR*. This capacity is determined by calculating the difference between your motorcycle's GVWR and wet weight.

Refer to the *Specifications* section of this manual or the Manufacturing Information/VIN label on the motorcycle frame for model-specific information.

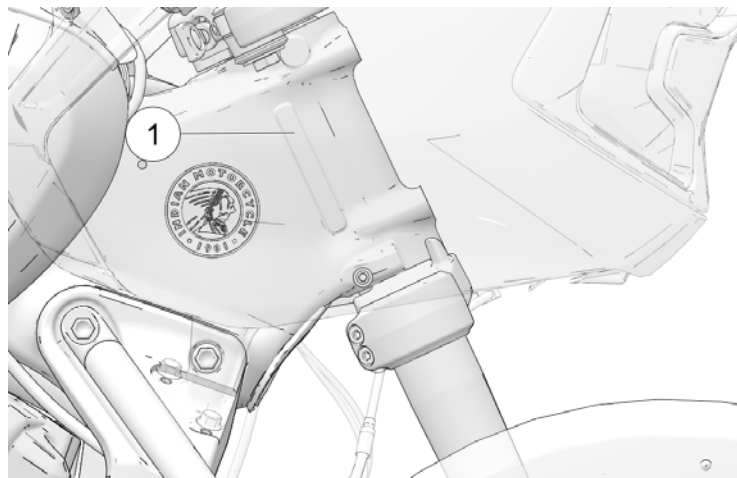
When determining the weight you will be adding to your motorcycle, and to ensure you do not exceed the maximum load capacity, include the following:

- Operator body weight
- Passenger body weight
- Weight of all rider's apparel and items in or on apparel
- Weight of any post-production accessories and their contents
- Weight of any additional cargo on the motorcycle

SAFETY AND INFORMATION LABELS

VEHICLE IDENTIFICATION NUMBER (VIN)

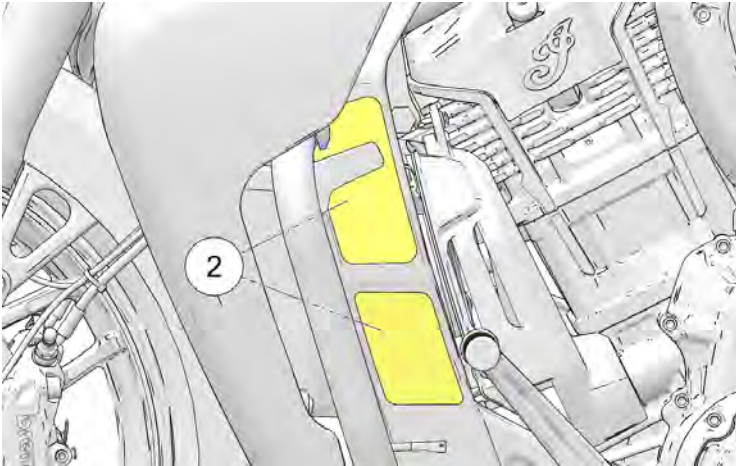
The Vehicle Identification Number (VIN) label ① is stamped on the right side of steering head.



SAFETY

VEHICLE EMISSION CONTROL INFORMATION (VECI) AND NOISE EMISSION CONTROL INFORMATION (NECI)

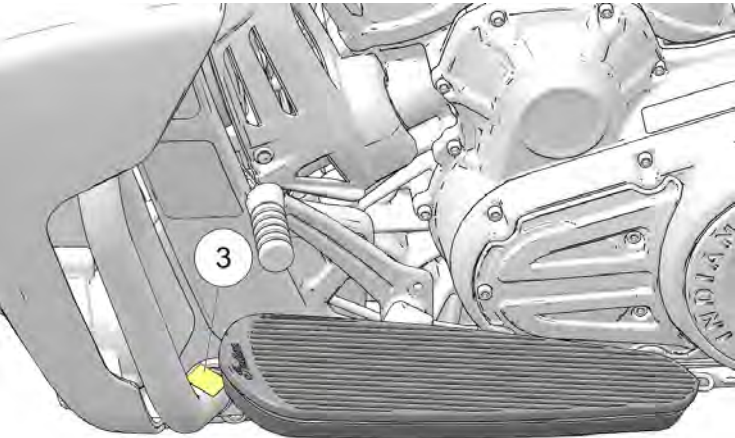
The Vehicle Emission Control Information (VECI) and Noise Emission Control Information (NECI) label ② is located on the left-hand side of the motorcycle.



	108 ci	112 ci
Part Number:	7301033 English, 7301034 French	7301035 English, 7301036 French

HIGHWAY BAR WARNING

The highway bar warning label ③ is located on the lower portion of the left highway bar.



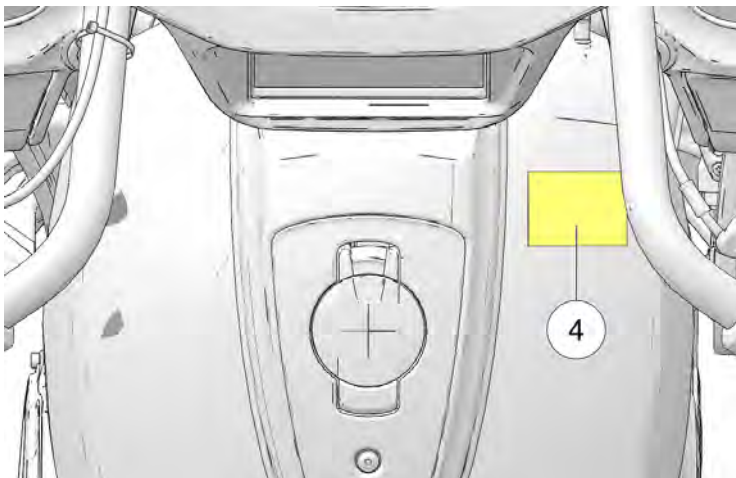
⚠ WARNING

Highway bar is not designed to protect you from injury in a collision.

Part Number: 7176355 English, 7300541 Japanese, 7300613 Chinese

OPERATOR WARNING/FUEL RECOMMENDATION

The Operator Warning/Fuel Recommendation safety label ④ is located on the fuel tank.



WARNING

- Read Owner's Manual and, during use, follow all safety precautions.
- Always wear an approved helmet, eye protection and protective clothing.
- If your Owner's Manual is missing, contact an Indian Motorcycle dealer for a replacement.

CAUTION

Never overfill fuel tank. Fuel level should not rise into fill neck funnel. Overfilling may result in degraded performance of engine and evaporative emission control system.

NOTICE

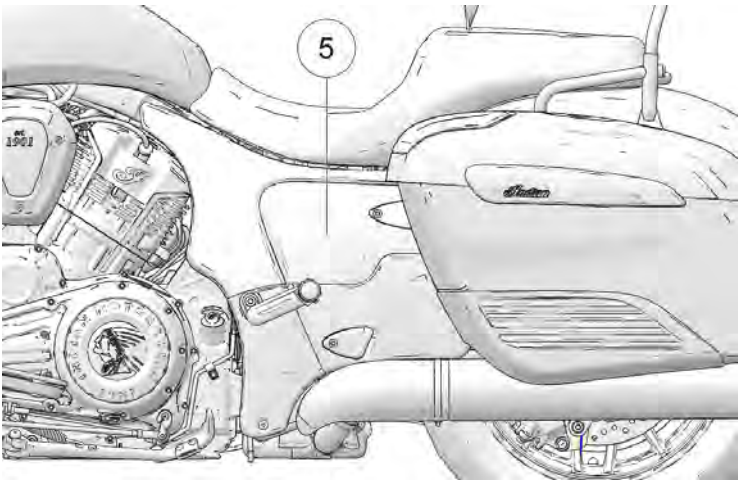
Premium unleaded fuel recommended. 91 octane minimum.

Part Number: 7300004 English, 7300035 English (Europe), 7300041 French, 7300334 Japanese

SAFETY

REAR SHOCK HYDRAULIC ADJUSTMENT SETTING

The Rear Shock Hydraulic Adjustment Setting ⑤ is located on the inside of the side cover.



SHOCK: HYDRAULIC ADJUSTMENT SETTING			
Total Cargo + Riders (lbs)	No Trunk Settings	Painted Trunk Settings	
150	1	3	CAUTION: DO NOT USE IMPACT TOOLS OR EXCEED 10 FT-LBS OF TORQUE WHEN ADJUSTING. DAMAGE TO COMPO- NENTS MAY OCCUR.
175	1	3	
200	2	3	
225	2	4	
250	2	4	
275	3	5	
300	3	5	
325	3	6	
350	4	6	
375	4	7	
400	4	7	
425	4	8	
450	5	8	
475	5	N/A	
500	5	N/A	

Part Number: 7195533 English

SHOCK: HYDRAULIC ADJUSTMENT SETTING

Total Cargo + Riders (kg)	No Trunk Settings	Painted Trunk Settings	
68	1	3	CAUTION: DO NOT USE IMPACT TOOLS OR EXCEED 14 N•m OF TORQUE WHEN ADJUSTING. DAMAGE TO COMPO- NENTS MAY OCCUR.
79	1	3	
91	2	3	
102	2	4	
113	2	4	
125	3	5	
136	3	5	
147	3	6	
159	4	6	
170	4	7	
181	4	7	
193	4	8	
204	5	8	
215	5	N/A	
227	5	N/A	

TIRE PRESSURE CHART

The Tire Pressure Chart is located inside the saddlebag.
 Part Number: 7300649 English, 7300651 Chinese, 7300653 Japanese

TIRE PRESSURE CHART		DIAGRAMME DE PRESSION DES PNEUS		
LOCATION	RECOMMENDED PRESSURE	ENDROIT	PRESSION RECOMMANDÉE	
Front	36 psi (248 kPa)	Avant	248 kPa (36 lb/po ²)	7300649
Rear	41 psi (283 kPa)	Arrière	283 kPa (41 lb/po ²)	
READ OWNER'S MANUAL		LIRE LE MANUEL D'UTILISATION		

TIRE PRESSURE CHART		DIAGRAMME DE PRESSION DES PNEUS		
LOCATION	RECOMMENDED PRESSURE	ENDROIT	PRESSION RECOMMANDÉE	
Front	36 psi (248 kPa)	Avant	(248 kPa) (36 lb/po ²)	7300649

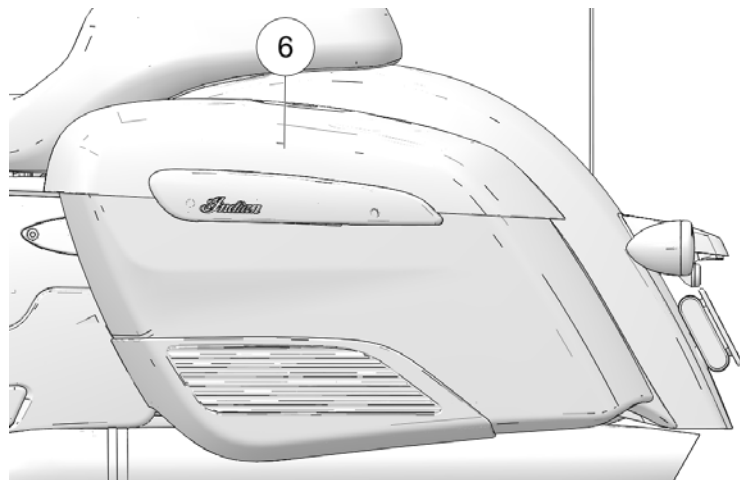
Part Number: 7300358 Japanese, 7301112 Chinese

SAFETY

Rear	41 psi (283 kPa)	Arrière	(283 kPa) (41 lb/po ²)	
READ OWNER'S MANUAL		LIRE LE MANUEL D'UTILISATION		

CARGO LIMIT WARNING

The Cargo Limit warning label ⑥ is located inside the saddlebag.



WARNING

CARGO LIMIT: 10 kg / 22.0 lbs.

Including optional lid rack cargo. Lid rack cargo limit 2.2 kg / 5.0 lbs. Including any optional accessory. Distribute weight evenly on both sides of the vehicle. Total weight of rider, passenger, accessories, and cargo must not exceed gross vehicle rating in owner's manual.

Part Number: 7179868 English, 7300357 Japanese, 7300615 Chinese

TRUNK CARGO LIMIT WARNING

WARNING

CARGO LIMIT: 13.6 kg / 30.0 lbs.

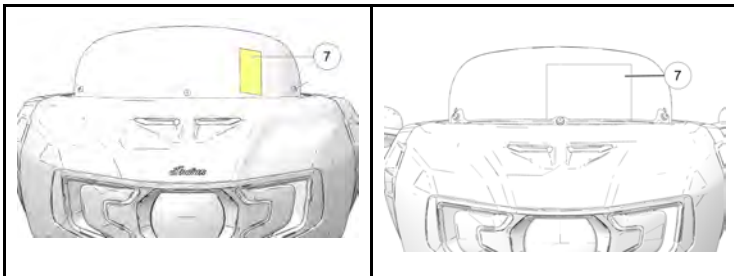
Including optional lid rack and cargo lid rack cargo limit 2.2 kg / 5.0 lbs.

Open saddlebag lids before removal or installation of trunk to prevent paint damage.

Part Number: 7180928 English

WINDSHIELD WARNING

The windshield warning label ⑦ is located on the vehicle's windshield.



ATTENTION: This item to be removed by customer only.

⚠ WARNING

- Do not ride with a damaged, loose, or improperly fitted windshield/wind-deflector. These conditions can reduce visibility, affect handling, or cause a loss of control.
- Regularly check the parts for damage and looseness. If you encounter an issue, contact your dealer.
- Windshields/wind-deflectors will not protect the rider in a collision.
- Dark/Smoked wind-deflectors will reduce visibility in low-light riding conditions.

⚠ CAUTION

- Brake fluid and alcohol will permanently damage the polycarbonate windshield.
- Do not clean the windshield/wind-deflector with glass cleaners or rain protective products.

CLEANING

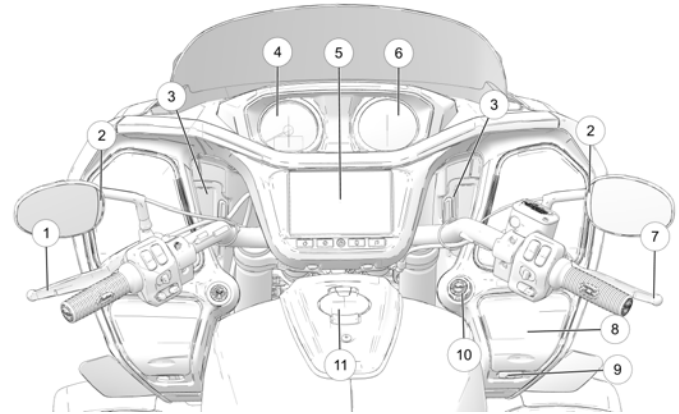
- Clean windshield or wind-deflector with a soft cloth and plenty of warm water. Dry with a soft clean cloth. Remove minor scratches with a quality plastic polishing compound.
- See windshield/wind-deflector installation instructions and the Owner's Manual for complete instructions on the proper care of your windshield or wind-deflector.

Part Number: 7182348

INSTRUMENTS, FEATURES AND CONTROLS

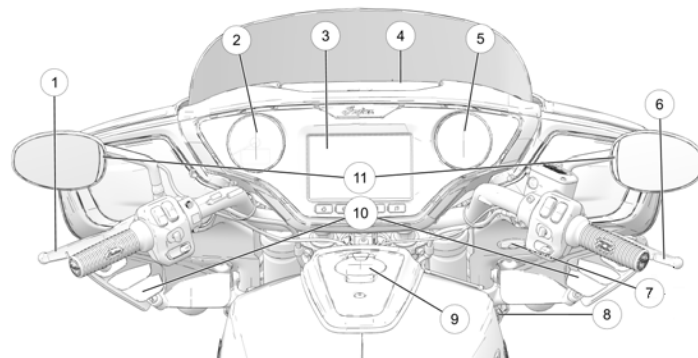
CONSOLE—CHALLENGER AND PURSUIT MODELS

- ① Clutch Lever
- ② Rear View Mirrors—Blind Spot Warning Lights (if equipped)
- ③ Air Duct Doors
- ④ Speedometer/Fuel Gauge
- ⑤ Ride Command Display
- ⑥ Tachometer
- ⑦ Front Brake Lever
- ⑧ USB Terminal
- ⑨ Saddlebag/Fuel Cap Lock Switch
- ⑩ Battery Charge Port
- ⑪ Fuel Cap



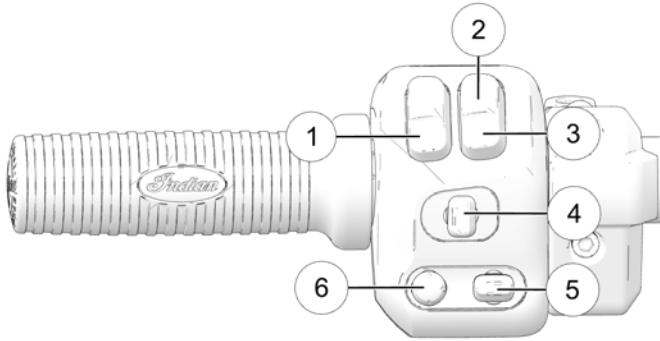
CONSOLE—ROADMASTER AND CHIEFTAIN MODELS

- ① Clutch Lever
- ② Speedometer/Fuel Gauge
- ③ Ride Command Display
- ④ USB Terminal
- ⑤ Tachometer
- ⑥ Front Brake Lever
- ⑦ Saddlebag/Fuel Cap Lock Switch
- ⑧ Battery Charge Port
- ⑨ Fuel Cap
- ⑩ Adjustable Wind Deflectors (if equipped)
- ⑪ Rear View Mirrors—Blind Spot Warning Lights (if equipped)



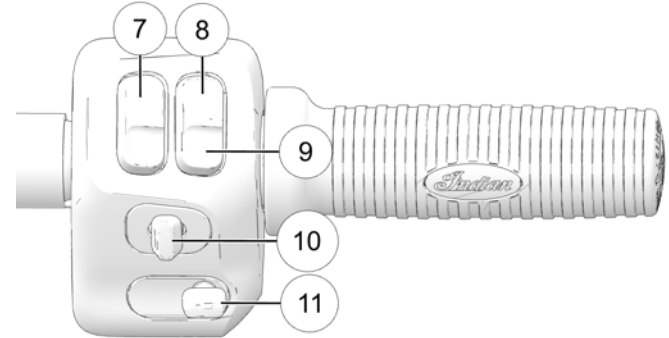
SWITCH LOCATIONS

LEFT CONTROL



- ① Horn
- ② Hi Beam
- ③ Low Beam/ Flash to Pass
- ④ Turn Signal/Hazard Signal
- ⑤ Screen List Select
- ⑥ Audio Control Switch

RIGHT CONTROL

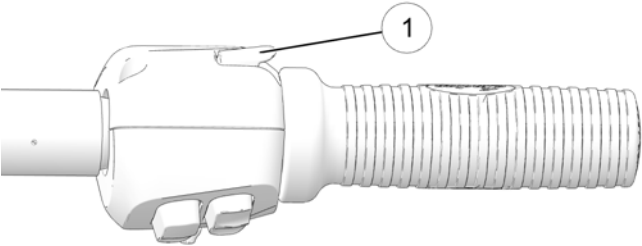


- ⑦ Power Switch
- ⑧ Engine Stop Switch
- ⑨ Engine Start/Run Switch
- ⑩ Cruise Control Switch
- ⑪ Windscreen Control Switch

INSTRUMENTS, FEATURES AND CONTROLS

TOGGLE SWITCHES

All models are equipped with toggle switches on the front side of the left and right ① handlebar controls.



The power switch must be ON for the toggle switches to function. Use the right-hand switch to navigate through menus or accept dialog boxes on the Ride Command display. Use the left-hand switch to back out of menus, decline dialog boxes, hang up phone calls, and toggle through display screens.

SWITCH SYMBOLS

SYMBOL	SWITCH	DESCRIPTION
	Horn Switch	Press the horn switch to sound the horn.
	High Beam Headlight Switch	The high headlight beam switch activates the high headlight beam. See page 46.
	Low Beam Headlight Switch	The low headlight beam switch activates the low headlight beam. Press down momentarily to activate Flash to Pass. See page 46.
	Turn Signal Switch	Move the switch to the left to activate the left turn signals. Move the switch to the right to activate the right turn signals. A signal will deactivate automatically when speed or distance reach predetermined levels. To cancel a signal manually, move the switch to the center position and push it inward. <i>Momentary Feature: Move the turn signal switch left or right and hold it in that position for at least one second. The momentary feature will activate and the signal will then cancel when the switch is released.</i>
	Emergency Flasher Switch (Hazard Switch)	The hazard switch activates and cancels the emergency flashers. See page 47.

INSTRUMENTS, FEATURES AND CONTROLS

SYMBOL	SWITCH	DESCRIPTION
	Screen List Select Switch	The Screen List Select Switch (if equipped) is used to navigate through rider screens. • Up/down rocker • Press to select • Long press to open controls
	Audio Control Switch	The Audio Control Switch allows users to control the audio system features from the left control block. • Volume up/down rocker • Track previous/next rocker • Press to mute/pause • Long press to trigger Push to Talk
	Stop Switch	Press the bottom of the switch (RUN) to allow the engine to start and run. Press the top of the switch (STOP) to stop the engine. See page 45.
	Starter Switch	Use the starter switch to start the engine. The engine stop/run switch must be in the RUN position. See page 45.

SYMBOL	SWITCH	DESCRIPTION
	Power Switch	Press and release the power switch to enable or disable all electrical power to the vehicle. See page 44.
	Left-Hand Trigger Switch	Use the left-hand switch to back out of menus, decline dialog boxes, hang up phone calls, and toggle through display screens. See page 42.
	Right-Hand Trigger Switch	Use the right-hand switch to navigate through menus or accept dialog boxes on Ride Command display.

INSTRUMENTS, FEATURES AND CONTROLS

SWITCHES

POWER SWITCH

The power switch is located on the right control ①. Press and release the power switch to enable or disable all electrical power to the vehicle.

To disable all electrical power if the motorcycle is moving and the engine is running, press and hold the power switch for more than three seconds. This will also turn the engine off.



NOTICE

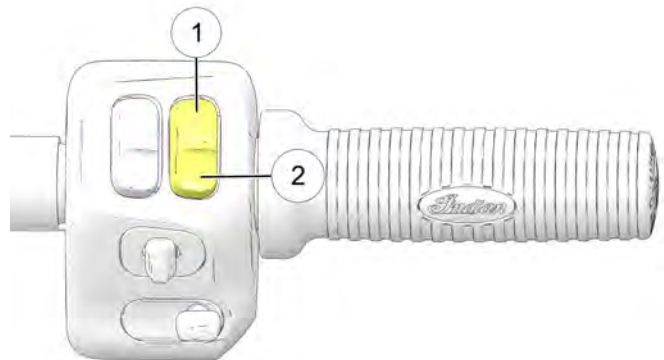
The headlights and any accessories plugged into power ports will remain on until the power switch is turned off.

NOTICE

To save battery power, the vehicle will automatically power off after five minutes of inactivity. Automatic power down can be overridden on bikes equipped with an INDIAN MOTORCYCLE Ride Command display through the Vehicle Settings menu.

ENGINE STOP/RUN SWITCH

Use the engine stop/run switch to turn the engine off quickly.

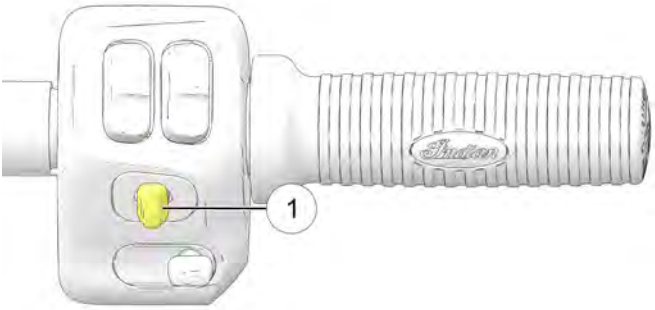


Press the top of the switch (STOP) ① to interrupt the circuits and stop the engine. The engine should not start or run when the switch is in the STOP position.

Press the bottom of the switch (RUN) ② to complete the circuits and allow the engine to start and run. Press and Release the bottom switch (RUN) ② to start the engine.

CRUISE CONTROL SWITCH

Cruise control can be activated and adjusted from the right control using the Cruise Control Switch ①. For more information about Cruise Control, see page 118.

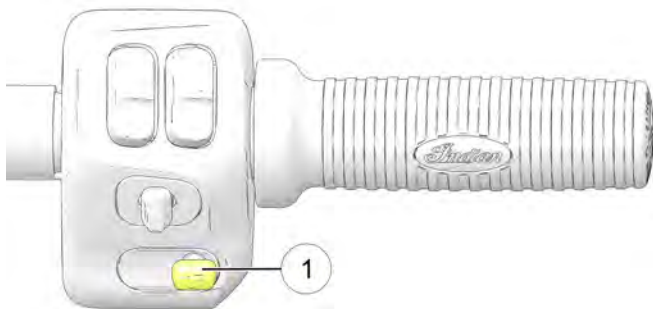


Toggle Position	Function
Left	Set/Decelerate
Center	Off/On
Right	Resume/Accelerate

INSTRUMENTS, FEATURES AND CONTROLS

WINDSHIELD SWITCH

Use the windshield switch ① to adjust windshield height for the best wind deflection.



Press up on the switch to adjust the windshield upward. Press down on the switch to adjust the windshield downward. Double tap up or down on the switch to auto-adjust the windshield all the way up or down. If the windshield is traveling and the opposite direction is briefly pressed, the auto travel is canceled.

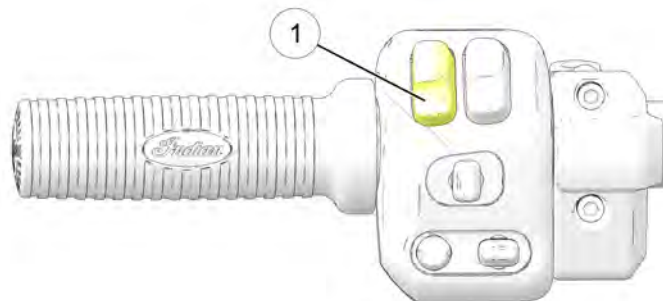
HIGH/LOW HEADLIGHT BEAM SWITCH

The headlights automatically come on when the engine is started. See page 81.

The high/low headlight beam switch toggles the headlight between high beam and low beam. To activate the high beam, press the upper portion of the switch. To activate the low beam, press the lower portion of the switch. To momentarily flash headlights (Flash to Pass), press and hold the lower portion of the switch.

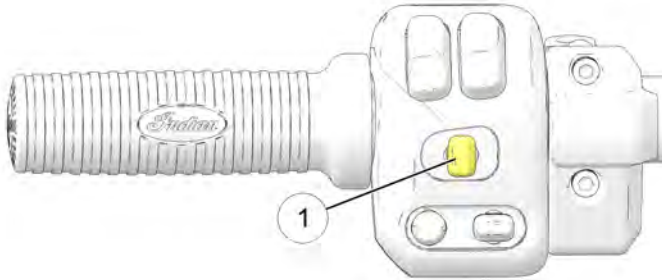
HORN SWITCH

Press the horn switch ① to sound the horn.



HAZARD SWITCH

The power switch must be ON to activate the flashers, but once activated, the flashers will continue to flash when the power switch is turned off. When the flashers are active, all four turn signals flash.

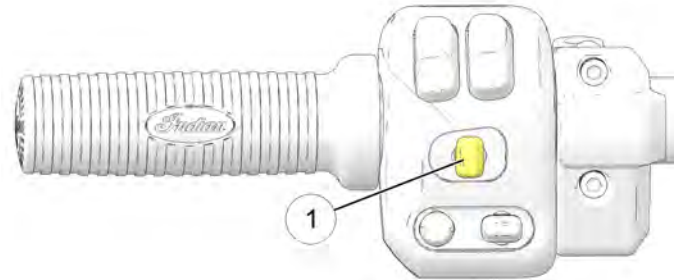


To activate the hazard switch, press on the center of the turn signal switch ①.

- Press and hold the switch to activate the flashers.
- Press the switch again to cancel the flashers.

TURN SIGNAL

Move the switch ① to the left to activate the left turn signals. Move the switch ① to the right to activate the right turn signals. A signal will deactivate automatically when speed or distance reach predetermined levels. To cancel a signal manually, move the switch to the center position and push it inward. *Momentary Feature: Move the turn signal switch left or right and hold it in that position for at least one second. The momentary feature will activate and the signal will then cancel when the switch is released.*

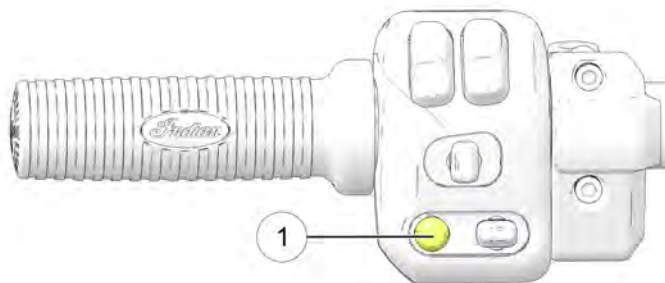


One arrow flashes when the corresponding turn signal is activated. Both arrows flash when the hazard signal is activated. *If there is a problem in the signal system, the lamps will flash at twice the normal rate.*

INSTRUMENTS, FEATURES AND CONTROLS

AUDIO CONTROL SWITCH

The Audio Control Switch ① allows users to control the audio system features from the left control block.



VOLUME

To increase volume, press up on the audio control switch. To decrease the volume, press down on the audio control switch. To mute the volume, push in on the audio control switch.

NOTICE

When using a Bluetooth® audio device, pushing in on the audio control switch will pause the audio. To resume, press in on the audio control switch again.

TUNER

When the audio source is set to Tuner, press left or right to navigate through preset stations. Press and hold to seek.

PERSONAL AUDIO

When audio source is set to Bluetooth® Audio or USB, press left or right to navigate through audio tracks.

AUXILIARY LIGHT SWITCH (IF EQUIPPED)

The auxiliary lights provide additional lighting on each side of the headlight. Some drivers prefer using the auxiliary lights when operating in foggy conditions or when passing a vehicle to help improve visibility to other motorists.

Use the Ride Command Control Panel to turn the auxiliary lights on or off.

A green icon will show along the top bar when the auxiliary lights are on. The auxiliary lights turn off when the power switch is turned off. The auxiliary lights automatically turn on when the engine starts if they were on when the engine was shut down.

To control when the auxiliary light is enabled / disabled, use the auxiliary light settings page.

KEYLESS IGNITION



WARNING

Keep the key fob and key fob battery out of reach of children. Swallowing can lead to chemical burns, perforation of soft tissue, and death. Severe burns can occur within 2 hours of ingestion. Seek medical attention immediately.

STARTING KEY FOB OPERATION:

When the electrical system is activated with the power switch, the key fob must be within range. If the key fob is not detected, the security light will flash. The electrical system will automatically shut down.

The starter motor will not engage during this time. If a key fob is not available, your personal identification number (PIN) can be entered using the turn signal switches, or on the Ride Command display screen (if equipped), to unlock the security system.

DRIVING KEY FOB OPERATION:

After starting the engine, the Vehicle Control Module (WCM) will again verify that the key fob is within range when exceeding 5 mph for the first time. The security light may turn on during this check. The WCM will not search for the key fob again after the vehicle has exceeded 5 mph. If the key fob is lost during riding, the PIN will be needed to restart the vehicle.

If the key fob is not detected when exceeding 5 mph:

- The security light will flash.
- The engine will continue to run for that drive cycle.
- Once shutdown, will require PIN or key fob to restart.

KEY FOB STORAGE:

The key fob should not be stored in the phone storage compartment, or near devices that can interfere with radio waves, such as cell phones, power supplies, or magnets, during operation.

ALARM SYSTEM:

The alarm feature can be activated using the multi-function, two-button key fob. The alarm system is not available on vehicles with a buttonless fob.

To activate the alarm, press the LOCK button on the key fob two times. The horn will sound briefly to confirm that the alarm is activated.

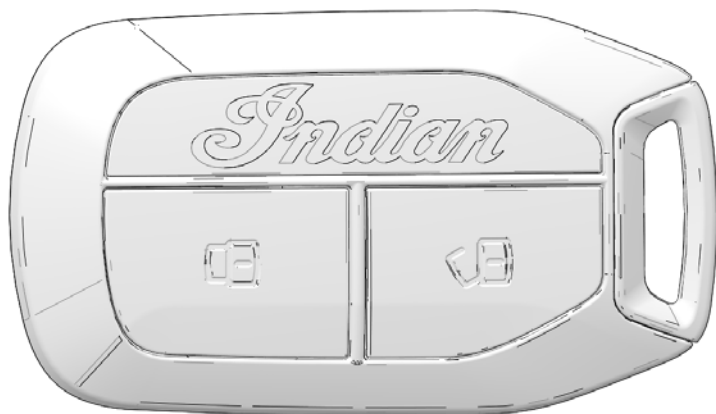
To deactivate the alarm, make sure your key fob is within range. Then do one of five things:

- Press the UNLOCK button on the key fob.
- Press the power button on the console panel.
- Press the starter button.
- Press the LOCK/UNLOCK switch on the center console.
- Move the motorcycle to the fully upright position from leaning on the sidestand. The horn will sound repeatedly if the key fob is not detected within 5 seconds.

INSTRUMENTS, FEATURES AND CONTROLS

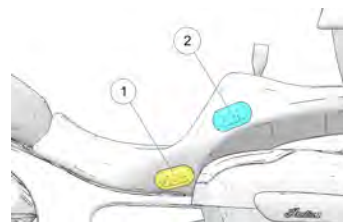
SADDLEBAG LOCK SWITCH (IF EQUIPPED)

Use the key fob or the lock switch on the console to lock and unlock the electric saddlebag locks. When using the console lock switch, the key fob must be within range. If the key fob is not detected, the security light and/or power switch will flash. The system will not perform the lock or unlock command.



HEATED SEAT SWITCHES (IF EQUIPPED)

Use the seat switches located on the lower left edge of the seat to adjust heating settings. The front switch ① controls the settings for the driver seat, and the rear switch (if equipped) ② controls the passenger seat setting. A brief pop-up will appear on the Ride Command touchscreen display when heat level is changed. For more information, see page 68. Seats will remain off until activated with switch. Both red and blue LED lights remain dimly lit when off. To turn off, press center OFF switch.



IMPORTANT

The heated seat will only operate if the engine is on.

⚠ WARNING

Users who have compromised senses and are unable to feel temperature change or pain to the skin should use extra care when using the seat heater. The seat heater may cause burns even at low temperatures especially when used for long periods of time.

Do not place anything on the seat that insulates against heat such as blankets or cushions. This may cause the seat heater to overheat which may cause a burn or damage to the seat.

HEATING

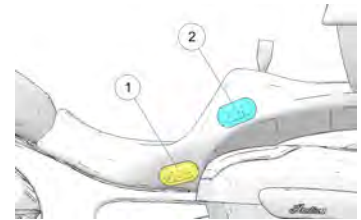
1. Press Red switch to increase heat mode from LOW to MEDIUM to HIGH.
2. Press and hold Red switch for two seconds to skip straight to HIGH.
3. Press Blue switch to decrease heat mode from HIGH to MEDIUM to LOW.

NOTICE

When in heat mode, Red LED will be brightly lit and fans in cushions will be off.

HEATED AND COOLED SEAT SWITCHES (IF EQUIPPED)

Use the seat switches located on the lower left edge of the seat to adjust heating and cooling settings. The front switch ① controls the settings for the driver seat, and the rear switch (if equipped) ② controls the passenger seat setting. A brief pop-up will appear on the Ride Command touchscreen display when heat or cool level is changed. For more information, see page 68. Seats will remain off until activated with switch. Both red and blue LED lights remain dimly lit when off. To turn off, press center OFF switch.

**IMPORTANT**

The heated and cooled seat will only operate if the engine is on.

INSTRUMENTS, FEATURES AND CONTROLS

WARNING

Users who have compromised senses and are unable to feel temperature change or pain to the skin should use extra care when using the seat heater. The seat heater may cause burns even at low temperatures especially when used for long periods of time.

Do not place anything on the seat that insulates against heat such as blankets or cushions. This may cause the seat heater to overheat which may cause a burn or damage to the seat.

COOLING

1. Press Blue switch to increase cool mode from LOW to MEDIUM to HIGH.
2. Press and hold Blue switch for two seconds to skip straight to HIGH.
3. Press Red switch to decrease cool mode from HIGH to MEDIUM to LOW.

NOTICE

When in cool mode, Blue LED will be brightly lit and fans in cushions will be on.

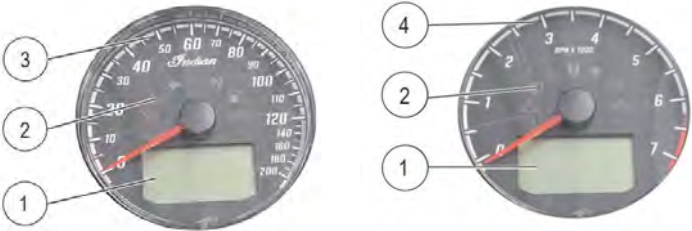
HEATING

1. Press Red switch to increase heat mode from LOW to MEDIUM to HIGH.
2. Press and hold Red switch for two seconds to skip straight to HIGH.
3. Press Blue switch to decrease heat mode from HIGH to MEDIUM to LOW.

NOTICE

When in heat mode, Red LED will be brightly lit and fans in cushions will be off.

INSTRUMENT CLUSTER



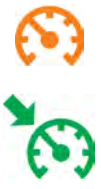
① Multi-function Display

② Indicator Lamps

③ Speedometer

④ Tachometer

INDICATOR LAMPS

LAMP	INDICATES	CONDITION
	Cruise Control Status	<i>Amber Lamp:</i> Cruise control is enabled, but not set. When flashing, a cruise control related fault exists. <i>Green Lamp:</i> Cruise control is set to the desired speed. <i>Read the safety and operation procedures before using cruise control.</i>
	Turn Signals	One arrow flashes when the corresponding turn signal is activated. Both arrows flash when the hazard signal is activated. <i>If there is a problem in the signal system, the lamps will flash at twice the normal rate.</i>
MPH	Vehicle Speed	When standard mode is selected, speed displays in miles per hour.
km/h		When metric mode is selected, speed displays in kilometers per hour.
	High Beam	The headlight switch is set to high beam. This indicator will flash if there is a problem with the low or high beam light.

LAMP	INDICATES	CONDITION
N	Neutral	The transmission is in neutral and the power switch is ON.
	Low Fuel	This lamp illuminates when approximately 1 gal (3.8 L) of fuel remains in the fuel tank. The LCD Display will switch into a Low Fuel Mileage Counter Mode to provide the rider with mileage tracking from the time the indicator was activated.
	Sidestand Light	The sidestand light will turn on anytime the sidestand is down.
	Engine Hot	This lamp illuminates to indicate an overheated engine. If the indicator flashes, a severe overheating condition exists.
	Chassis Fault	The alert symbol illuminates if a chassis fault occurs.

INSTRUMENTS, FEATURES AND CONTROLS

LAMP	INDICATES	CONDITION
	Tire Pressure Monitoring System (TPMS)	The TPMS indicator illuminates if low tire pressure is detected. It will also illuminate along with the Low Battery Voltage indicator when TPMS battery power is low, requiring service.
	Traction Control	This lamp will flash slowly when the power switch is turned ON, which indicates that traction control is not yet available. Traction control becomes available when the vehicle speed exceeds 3 mph (5 km/h) and the lamp will then turn off. This lamp will flash rapidly when the traction control system is actively limiting rear wheel slip. This lamp will illuminate and remain on if traction control is disabled or has a fault.
	Security	The security indicator illuminates when the security system is activated.
	ABS Not Activated	This lamp will flash slowly when the power switch is turned ON, which indicates that the anti-lock brake system is not yet available. The anti-lock brake system will be available when vehicle speed exceeds 3 mph (5 km/h) and the lamp will then turn off. This lamp will

LAMP	INDICATES	CONDITION
		not illuminate if the anti-lock braking system is working correctly and actively limiting wheel lock. This lamp will illuminate and remain on if the anti-lock braking system has a fault. The conventional brake system will continue to operate normally during an ABS fault.
	Check Engine	This lamp illuminates briefly when the power switch is turned ON. This indicates proper function. <i>If this lamp illuminates while the engine is running, see an authorized dealer promptly.</i> The light will remain on if the tilt sensor shuts down the engine. If abnormal sensor or engine operation is detected the light will remain on as long as the fault condition exists. Retrieve the error codes for diagnosis.
	Low Oil Pressure	This lamp illuminates when oil pressure drops below a safe operating pressure while the engine is running. If this lamp illuminates while the engine is running above idle speed, turn the engine off as soon as safely possible and check the oil level. <i>If the oil level is correct and the lamp remains on after the engine is restarted, turn the engine off immediately. See your dealer.</i>

SPEEDOMETER

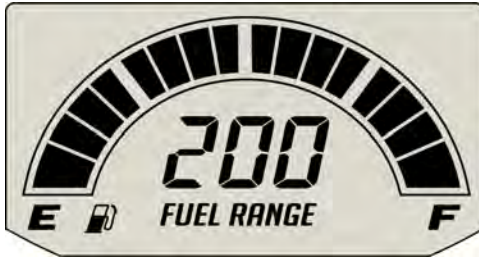
The speedometer displays forward vehicle speed in either miles per hour or kilometers per hour.

TACHOMETER

The tachometer displays engine speed in revolutions per minute (RPM). A red line on the face of the gauge indicates the maximum safe engine speed.

Excessive engine speed can cause engine damage or failure, which could result in serious injury or death. Do not allow engine speed to exceed the red line.

FUEL GAUGE DISPLAY



The fuel gauge displays fuel level. For the most accurate reading, sit on the motorcycle and bring it to the upright position for 2-3 minutes.

The segments of the fuel gauge show the level of fuel in the fuel tank. When the last segment clears, a low fuel warning is activated. All segments including the fuel icon will flash. Refuel promptly.

REAR CYLINDER DEACTIVATION

Designed as an aid to reduce engine and exhaust heat to the rider, Rear Cylinder Deactivation turns off the rear cylinder when the engine gets hot.

The following condition must be met for Rear Cylinder Deactivation to be enabled.

- Engine must be up to operating temperature
- Ambient Temperature must exceed 59 °F (15 °C)
- Engine speed must remain below 1000 rpm
- Throttle must be in the closed position (0% throttle)
- Exhaust catalyst temperature must be sufficiently high for tailpipe emissions compliance.

NOTICE

If catalyst temperature drops below emissions threshold the rear cylinder will re-engage until the catalyst temperature rises above the threshold at which point the rear will deactivate again.

Cylinder Deactivation can be turned off by accessing the settings menu in the drop-down from the top of the screen. Cylinder Deactivation controls are in the Vehicle menu. When Rear Cylinder Deactivation is functioning, an icon will illuminate at the top of the Ride Command display screen.

INSTRUMENTS, FEATURES AND CONTROLS

7" DISPLAY POWERED BY RIDE COMMAND OVERVIEW



For the latest information about the INDIAN MOTORCYCLE Ride Command display, including software updates, please visit <https://ridecommand.indianmotorcycle.com>

NOTICE

Using the display for an extended period of time while the vehicle's engine is off can drain the battery.

⚠ WARNING

Do not enter information while operating your vehicle. Failure to pay attention to operating your vehicle could result in loss of control, injury, or death. You assume all risks associated with using this device. Read your User Guide.

⚠ WARNING

Driving while distracted can result in loss of vehicle control, crash, and injury. We strongly recommend that you use extreme caution when using any device that may take your focus off the road. Your primary responsibility is the safe operation of your vehicle. We recommend against the use of any hand-held device while driving and encourage the use of voice-operated systems when possible. Make sure you are aware of all applicable local laws that may affect the use of electronic devices while driving.

Before riding with your new display, do the following:

- Read this entire manual.
- Familiarize yourself with the features and operations of the display while the vehicle is stationary.
- Download the INDIAN MOTORCYCLE app from the Apple® App Store® or Google Play® store and create your personalized account.
- Check <https://www.indianmotorcycle.com/en-us/owners-manuals/> for the latest updates to the owner's manual.

RIDE COMMAND BUTTONS

BUTTON	FUNCTION
Rider Screens 	Press the Rider Screens button to access the customizable split screen menu system, access to ride data, vehicle status, and vehicle information.
Navigation 	Press the Navigation button to access Ride Command navigation features (if equipped), find directions, and look up addresses, gas stations, and other points of interest.
Controls 	Press the Controls Button to access the INDIAN MOTORCYCLE Badge Panel and additional settings.
Phone 	Press the Phone button to pair a phone or headset to the INDIAN MOTORCYCLE Ride Command display.
Audio 	Press the Audio Button to change the audio source, adjust volume level, and set radio presets.

RIDER SCREENS

The Rider Screens are customizable and provide unique access to ride data, vehicle status, and vehicle information. The Rider Screens also provide easy access to other often used features, such as Audio controls, Bluetooth® features, and Maps.



NAVIGATION

Press the Navigation button to access Ride Command navigation features (if equipped), find directions, and look up addresses, gas stations, and other points of interest.



INSTRUMENTS, FEATURES AND CONTROLS

CONTROL PANEL



From the Control Panel you can access settings, adjust display brightness, select ride mode, and vehicle climate controls.

You can access the Control Panel at anytime by pressing the gear button on the display.

RIDER ASSIST CONTROLS

Select Rider Assist to change the Bike Hold Control, Blind Spot Warning, Tailgate Warning, and Rear Collision Warning Light settings.



PHONE

The Phone screen displays recent calls, contact list, key pad, and messages. The display will only show messages received while smartphone is paired via Bluetooth®.



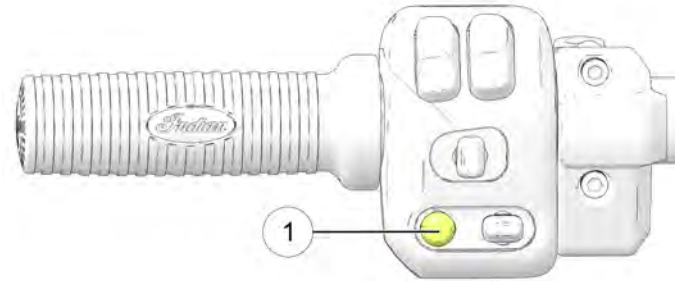
AUDIO SCREEN

The Audio screen allows you to access music stored on your smart-phone or other music device. You can pair your device using Bluetooth®, or by connecting it to the display's USB port.

USB audio playback is only available on flash drives formatted to exFAT® or FAT32.



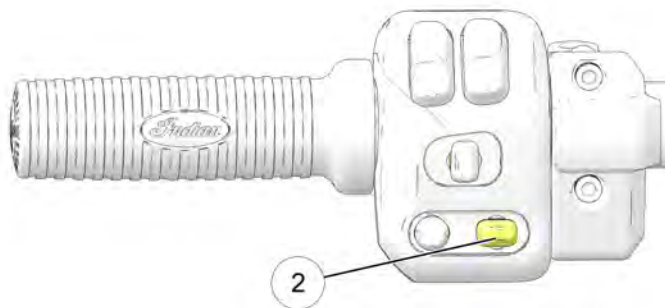
RISE COMMAND HAND CONTROLS MEDIA SWITCH



Use the 5-way media switch ① to do the following:

- Press center to mute
- Press up/down to increase/decrease volume.
- Press left/right to move to previous/next track.

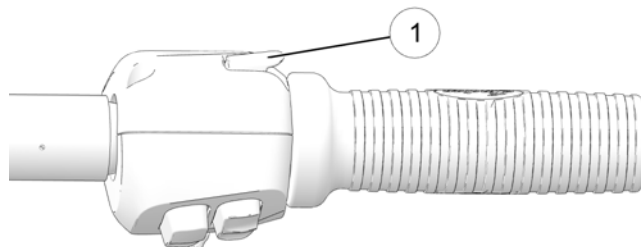
SELECT SWITCH



Use the 3-way select switch ② to do the following:

- Press up and down to navigate display screen.
- Press center to select.
- Long press to drop down settings panel.

TRIGGER SWITCHES



There are trigger switches located on the reverse side of both the right and left ① switch cubes.

Use the trigger switches to do the following:

- Press the right trigger switch to confirm selection.
- Press the left trigger switch to back out of menu screens.

RIDE COMMAND RIDE MODES



You can choose between three ride modes, Rain, Standard, or Sport for an experience customized to your riding style. The throttle map for each ride mode was designed with a specific application in mind, resulting in one motorcycle with three distinct personalities.

NOTICE

For the ride mode to change the throttle must be fully disengaged. If you change the ride mode while the throttle is engaged, a spinning icon will appear indicating that the ride mode has not yet changed. Once the throttle is disengaged the icon will disappear and the ride mode will change.

RAIN

Rain mode is ideal for rainy conditions, or when the road is wet. The throttle response is decreased, maintaining control and traction.

STANDARD

Standard mode features a crisp throttle response and well-balanced power delivery for responsive passing power and predictable, slow-speed handling.

SPORT

Sport mode is designed for situations when instant response is needed. Sport mode quickens the throttle response and has a more aggressive power delivery for increased acceleration.

INSTRUMENTS, FEATURES AND CONTROLS

RIDE COMMAND SETTINGS

From the Settings Menu you can view important details about your vehicle and personalize your touchscreen display. The settings menu is comprised of four categories: Information, General, Time, and Vehicle.

GENERAL INFORMATION

From the Information settings menu you can view the following:

- Vehicle Identification Number (VIN)
- Mileage
- Installed Software Version
- Oil Change Interval

GENERAL SETTINGS

From the General settings menu you can do the following:

- Themes (Day/Night/Auto)
- Manage Bluetooth® Devices
- Change the Language
- Set the Speed Units of Measure (MPH or KPH)
- Set the Temperature Units (F or C)
- Update Software
- Update Maps

CLOCK

From the Time Settings you can do the following:

- Set the Time Format (12 hour or 24 hour)
- Enable GPS Time (automatically sets the time to the time zone you are currently in)
- Set Time (if GPS Time is not enabled)

AUDIO

From the Audio Settings you can adjust the following:

- Fade
- Equalizer
- Speaker Layout
- Automatic Volume Control
- Radio Presets
- Radio Tuner Region

VEHICLE INFORMATION

From the Vehicle Settings you can do the following:

- Oil Life/ Service Reset
- Access Vehicle Diagnostics
- Cylinder Deactivation
- GPS Status

FOG LIGHT BUTTON

The fog light button can be accessed on the Control Panel.



TRACTION CONTROL

To disable the Traction Control, do the following:



1. Press the Menu/Control button to bring up the Control Panel.
2. Tap on the Traction Control toggle switch to disable Traction Control.

INSTRUMENTS, FEATURES AND CONTROLS

3. A prompt will appear asking you to confirm that you want to disable the Traction Control. Press **DISABLE** to confirm.
- NOTICE*

Traction Control will not become disabled until the throttle is released.

4. To re-enable Traction Control, press the Traction Control toggle switch again.
- NOTICE*

Traction Control is automatically enabled after every power cycle of the bike.

ELECTRONIC SHOCK PRELOAD (IF EQUIPPED)

- NOTICE*

There are multiple ways to adjust the electronic shock preload. The process below only details one method.

To adjust the electronic preload (EPL), do the following:



1. Press the Menu/Control button to bring up the Control Panel.
2. Tap on the riders button ① to adjust the weights of riders.
3. Tap on the luggage ② to adjust the weight of the luggage setting.
4. Small adjustments can be made using the plus and minus buttons ③ to fine tune the weight settings.



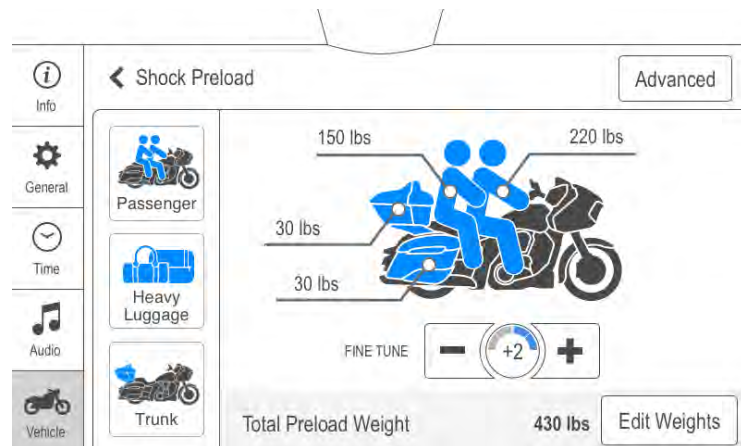
ELECTRONIC SHOCK PRELOAD (IF EQUIPPED) CALIBRATION

The electronic shock E-Preload feature may require calibration in the event of an error. Follow the on-screen prompts while maintaining control of the stationary vehicle. The electronic shock preload calibration procedure will automatically cycle the shock to the highest and lowest preload positions.

The calibration can be initiated using the following steps on the Ride Command display:

INSTRUMENTS, FEATURES AND CONTROLS

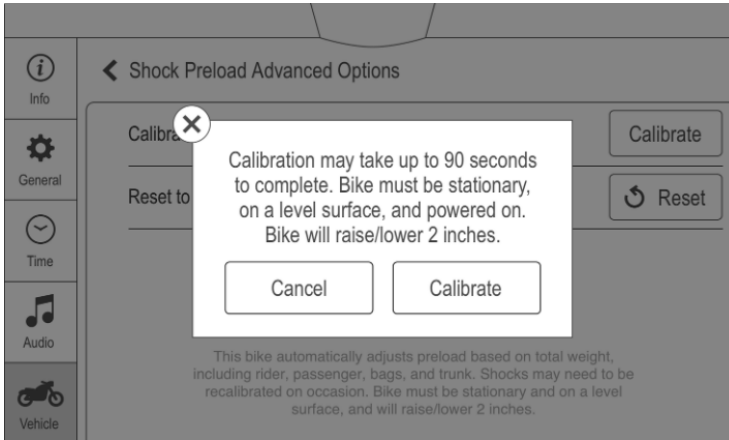
1. Press the Menu/Control button to bring up the Control Panel.
2. Tap on the All Settings button.
3. Tap on the Vehicle button.
4. Tap the Shock Preload button.
5. Tap the Advanced button.



6. Tap the Calibrate button.



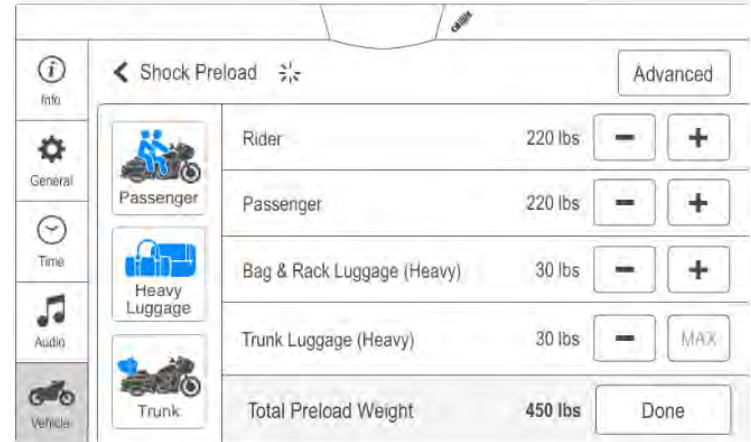
7. Follow the on-screen prompts.



EDIT WEIGHTS

To edit rider, passenger, and cargo weights:

1. Tap on the Vehicle button.
2. Tap the Shock Preload button.
3. Tap Edit Weights.
4. Tap the plus (+) or minus (-) buttons to edit the individual weights.



5. Tap the Done button.

HEATED GRIPS HEAT LEVEL SETTING (IF EQUIPPED)

The heated grips heat level displays momentarily after changing the heat level. For models equipped with Ride Command, a brief pop-up will appear on the touchscreen display when heat level is changed. To change the heated grips level on the Ride Command display, open the Control panel and tap to adjust the temperature either up, down, or off.

HEATED SEATS HEAT LEVEL SETTING (IF EQUIPPED)

To enable and adjust the heated seats, do the following:



1. Press the Menu/Control button to bring up the Control Panel.
2. Tap on the Rider Seat or Passenger buttons to toggle the heated seat between Off, Low, Medium, and High settings.

NOTICE

The seat temperature can be adjusted by using the switches on the seat. See page 51 for more information on the seat switches.

BLUETOOTH® PAIRING

The INDIAN MOTORCYCLE Ride Command touchscreen display can be connected to a smart-phone and a headset simultaneously.

To pair a device, do the following:

1. From the Bluetooth® Devices settings screen, the Phone screen, or the Music screen, tap on the Add Device button to bring up the pairing prompt.
2. Put your Bluetooth® device into pairing mode.
3. Select the name of the device you want to pair from the touchscreen display to finish the pairing process.
4. Confirm pairing (if applicable). Depending on the device you are pairing to the display you may be prompted to confirm pairing.

For a list of supported devices please visit <https://ridecommand.indianmotorcycle.com/en-us/supported-devices>.

RIDE COMMAND+

Your vehicle may come equipped with RIDE COMMAND+ technology, which gives you access to your vehicle's custom information including Vehicle Health, Vehicle Locator and Issue Diagnostics (if equipped) along with a variety of features via the INDIAN MOTORCYCLE mobile app. You will need a cellular connection to view these features.

To learn more about RIDE COMMAND+, including equipped or compatible vehicles, specific features, and to access the RIDE COMMAND+ User Guide, visit ridecommand.indianmotorcycle.com or scan the QR code:



Disclaimer: RIDE COMMAND+ features vary by region.

INSTRUMENTS, FEATURES AND CONTROLS

UPDATE SOFTWARE AND MAPS

For the latest software and maps for the Ride Command display, go to:

<https://ridecommand.indianmotorcycle.com>.

The display software and maps can be updated by connecting a USB stick containing the latest software version to the USB port located in the right-hand storage compartment. The Update Software menu in Settings will list any available updates on the USB stick. Choose the correct version and wait for the update to complete before removing the USB stick. The touchscreen display will automatically restart when software is updated.

NOTICE

A USB 2.0 or USB 3.0 flash drive formatted to exFAT® or FAT32 is required to successfully perform a software update. The display will not recognize flash drives that do not meet these requirements.

NOTICE

For map updates, a 32GB or greater USB 2.0 or USB 3.0 flash drive formatted to exFAT® is required.

IMPORTANT

Do not remove power from the display during the update process.

OVER THE AIR UPDATES

NOTICE

Over the air updates are only available on models equipped with a Telematic Control Unit (TCU).

If your model is equipped with a Telematic Control Unit, the motorcycle will automatically download software updates from the cloud when the motorcycle is powered on and a cell connection is available. All downloads occur in the background and can be resumed if the connection is interrupted or if the motorcycle is turned off.



HOW TO INSTALL SOFTWARE

Once new software has been downloaded to your display, you will be prompted with a notification.

To install new software, do the following:

- 1. Navigate to the General Settings tab in the Settings menu.
- 2. Navigate to the Update Software page.
- 3. Press the “Install” button.

NOTICE

The following conditions must be met for the installation to initiate: the battery voltage must be greater than 12.5 V, the wheel speed must be 0 mph (0 km/h), and the engine must be turned off.

NOTICE

The display will restart after the installation has successfully completed.

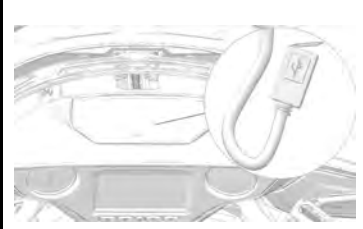
NOTICE

Critical updates will be installed automatically. A notification will display once the update is complete.

- 4. After the update has been completed, release notes will be provided on the software update screen.

USB PORT

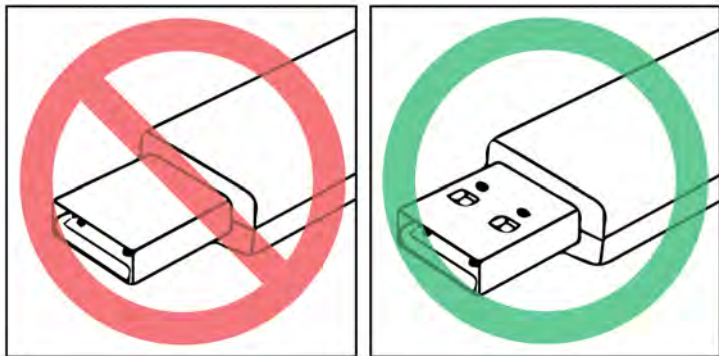
The USB Port makes it easy to power devices, such as phones, audio sources, or GPS units, in addition to allowing you to stream music through the LCD display to your Bluetooth® headset. On models equipped with a Ride Command display, the USB port is also used to update the display software. The USB port is located in the right-hand storage compartment or in the top storage compartment. For the latest software, go to <https://ridecommand.indianmotorcycle.com>.

Challenger and Pursuit Models	Chieftain PowerPlus and Roadmaster PowerPlus Models
	

IMPORTANT

Due to harsh riding environments, INDIAN MOTORCYCLE recommends using a USB device with retention features.

INSTRUMENTS, FEATURES AND CONTROLS



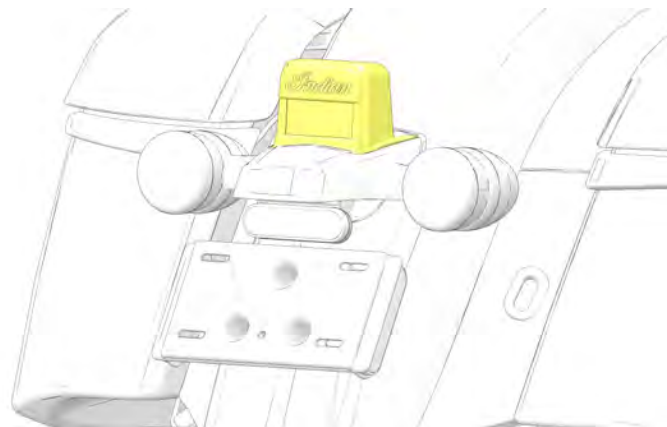
APPLE CARPLAY®

Apple CarPlay® seamlessly integrates your iPhone® with the motorcycle's Ride Command display and hand controls. Make phone calls, access your music, send and receive messages, get directions, and more while you stay focused on the road.

RIDER ASSIST SYSTEMS (IF EQUIPPED)

The Rider Assist Systems, such as Bike Hold Control, Blind Spot Warning, Tailgate Warning, and rear Collision Warning Lights are designed to provide the rider with alerts or information of the surrounding conditions.

The rider must not solely rely on the information from these systems as certain object shapes, their surfaces, and position may affect the ability of the radar to detect them with accuracy, which may cause the rider to receive incorrect information.



NOTICE

Rain, fog, dust, dirt, and frost can degrade the performance of the radar system and degrade the ability to detect vehicles. If the blindness of the environment is high enough, the system may disable itself until the radar visibility clears up.

NOTICE

While cornering or turning, lean angle can reduce system performance.

The ability for the system to hold the bike stationary may be affected by loose or slippery surfaces or high slope angles. The rider must always exercise caution when engaging Bike Hold Control and remain prepared to take control of the bike.

Avoid engaging Bike Hold Control on non-asphalted surfaces or inclines greater than 30%.

Symbol	Indicates
	Bike Hold Control is available to activate.
	Bike Hold Control is actively holding the bike stationary.
	This indicator lamp will flash when Bike Hold Control is about to release or is actively releasing the brakes. This indicator lamp will become solid when Bike Hold Control has a fault.



BIKE HOLD CONTROL

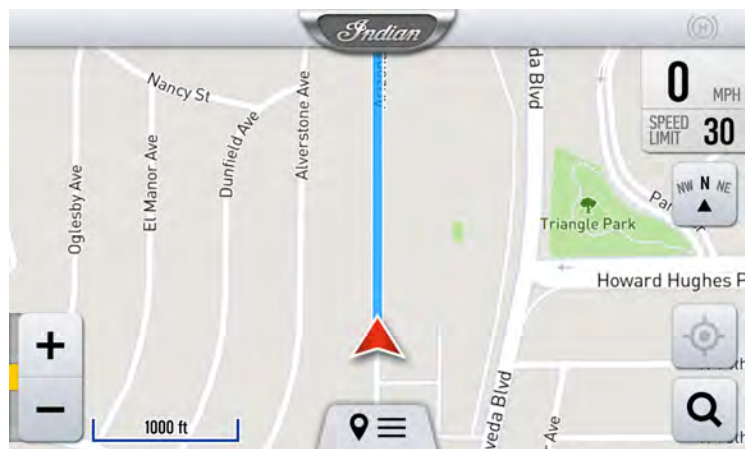
Bike Hold Control assists the rider by engaging the rear brake, when requested, to prevent the vehicle from rolling backwards or forwards without the need for the rider to constantly apply the brakes.

INSTRUMENTS, FEATURES AND CONTROLS

Bike Hold Control will be available to activate when:

- the bike is stationary
- the engine is running
- the sidestand is up

Once all conditions are met, the grey Bike Hold Control symbol will appear in the upper area of the display screen.

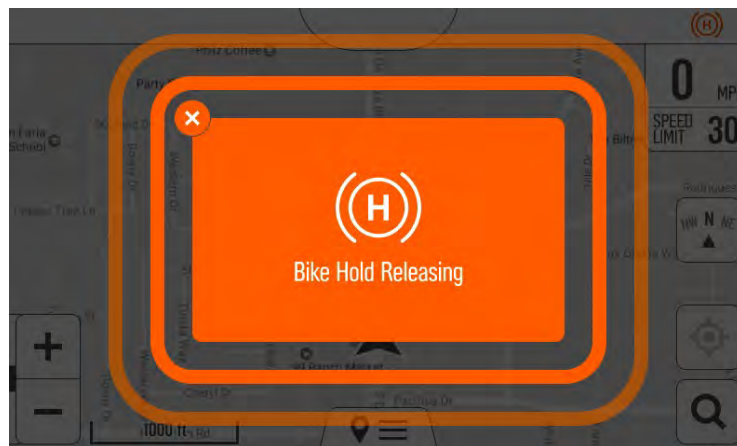


Activate Bike Hold Control by pulling the front lever firmly or pressing the rear brake lever firmly.

Bike Hold Control will deactivate when:

- riding forward by gradually opening the throttle and releasing the clutch (some initial resistance may be felt until Bike Hold releases)
- the front brake lever is pulled firmly with a short pulse
- turning the engine off
- putting the sidestand down

Maximum hold time is 3 minutes. A popup warning covers the screen 15 seconds before Bike Hold Control gradually releases.



⚠ WARNING

Bike Hold Control must not be used as a substitute for a parking brake. The rider must remain seated and attentive while Bike Hold Control is active.

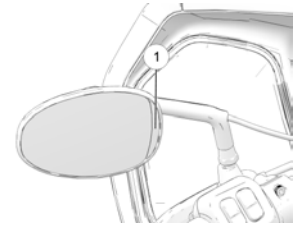
NOTICE

An incorrectly adjusted mechanical clutch lever freeplay can affect Bike Hold Control performance. See the Mechanical Clutch Lever Freeplay section to ensure the mechanical clutch lever freeplay is adjusted correctly.

BLIND SPOT WARNING

When riding, there is an area behind each side of the motorcycle and rider that is not always visible to the rider even when using the mirrors. These are referred to as the blind spot zones. Blind Spot Warning alerts the rider to vehicles in these blind spot zones. It uses the rear radar to monitor adjacent lanes and activates visual warnings on the display and mirrors when vehicles enter or are approaching the blind spot zones. Blind Spot Warning will only be active above 10 mph (16 km/h). A Blind Spot Warning will not appear if the motorcycle is passing another vehicle faster than 8 mph (13 km/h) relative to the other vehicle.

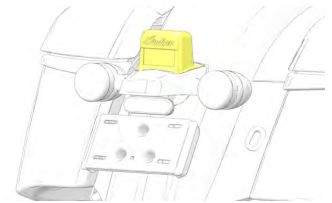
Rear View Mirrors—Blind Spot Warning Light



Blind Spot Warning Shown on the Display Screen



Rear Radar Sensor area



INSTRUMENTS, FEATURES AND CONTROLS

WARNING

The Blind Spot Warning is an aid. It does not replace the need for the rider to be aware of all situations when riding.

The rider must always maintain a high level of awareness and concentration while riding, always use the mirrors and check the blind spots. The rider must not solely rely on the Blind Spot Warnings. The rider must also look over their shoulder (head check) prior to overtaking or changing lanes.

The rider is responsible for detecting all other vehicles, estimating the distance between them and the motorcycle, and then maneuvering the motorcycle in a safe and responsible way to avoid any collision.

The rider must also obey all speed limits, observe all road signs and road markings, and react accordingly to any environmental influences such as thick fog, heavy rain, etc.

Operating and riding the motorcycle safely and correctly is always the rider's sole responsibility.

WARNING

The performance of the rear radar sensor may be affected by smaller vehicles such as bicycles or motorcycles, or vehicles with large flat surfaces such as trailers.

Riders may be warned with a delay, or not at all, due to the time required for the system to calculate and inform the rider of vehicles approaching and entering the blind spot zones at higher speeds.

WARNING

The rear radar sensor cover may become covered by road dirt, mud, rain, ice, snow, etc.

Always make sure to check and carefully clean the rear radar sensor cover before riding the motorcycle. Ensure only soapy water and a soft sponge are used to clean the rear radar sensor cover and avoid using any abrasive material or chemicals that could damage the cover.

Do not paint over, attach stickers to, or attach other objects to the rear radar sensor.

The rear radar sensor's ability to detect a vehicle in the rider's blind spot may be effected and give incorrect indications. This may lead to a motorcycle accident.

WARNING

Always make sure that no accessories, luggage, or passenger's items cover or obscure the rear radar sensor cover or sensor range.

When riding with a passenger make sure that their clothing does not overhang the seat and cover the rear radar sensor cover.

The rear radar sensor's ability to detect a vehicle in the rider's blind spot zone will be affected if foreign objects enter or cover the rear radar's field of view and could send incorrect or missing warnings. This may lead to a motorcycle accident.

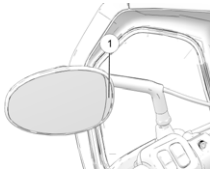
NOTICE

The performance of the rear radar may be affected by incorrectly set rear suspension preload. Refer to the Shock Preload Adjustment section to ensure the rear suspension preload is set correctly for the loading conditions.

BLIND SPOT WARNING SETTINGS

The Blind Spot Warning system can be enabled and disabled manually by the rider.

The mirror light brightness can be changed in the Blind Spot Warning settings. The AUTO setting will continuously adjust the mirror light brightness to account for the ambient light conditions.



There are two levels of warnings when this feature detects a vehicle.

1. Level 1 activates when a vehicle moves into or is approaching the blind spot zone. A warning bar shows on the side of the display and the mirror light activates on the side the vehicle is located.
2. Level 2 activates when a vehicle is in or is approaching the blind spot zone and the rider activates the turn signal on that side of the bike. The car icon in the display warning bar and the mirror light flash.

The ON setting allows both Level 1 and Level 2 warnings. The ONLY DURING TURN SIGNALS setting allows only Level 2 warnings. The OFF setting disables all warnings. Warnings on the bike display or on the mirror can be disabled individually.

TAILGATE WARNING

Tailgate Warning uses the rear radar to monitor the area behind the motorcycle and alerts the rider to vehicles that are following at a close distance. A warning will show on the display when a vehicle is following too close.

Tailgate Warning will only be active above 18 mph (29 km/h).

Close following vehicle warning:



INSTRUMENTS, FEATURES AND CONTROLS

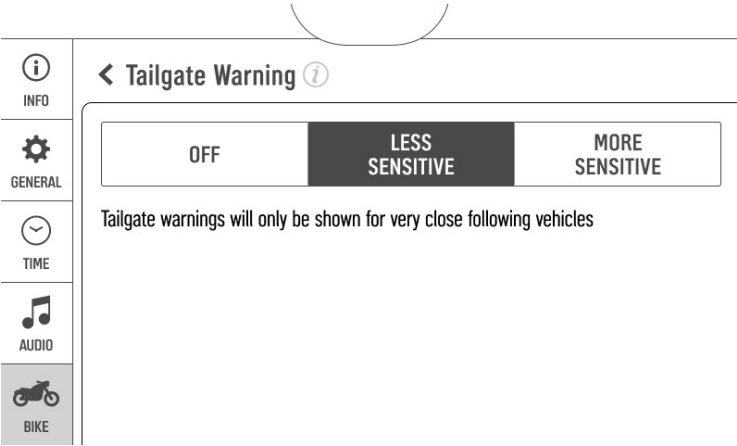
Very close following vehicle warning:



NOTICE

When in a group motorcycle ride, this feature may frequently detect motorcycles riding at a close distance. Disable the feature to reduce unwanted warnings.

Less Sensitive	Tailgate warnings will only be shown for very close following vehicles.
More Sensitive	Tailgate warnings will be shown for close and very close following vehicles.
Off	Tailgate warnings are disabled for following vehicles.



REAR COLLISION WARNING LIGHTS

Rear Collision Warning aids in reducing the likelihood of a rear-end collision by flashing lights to warn other vehicles. This feature can be disabled on the Rider Assist menu.

North America Models	Rear saddlebag lights flash 
INTL Models	Turn signal hazard lights flash 

RIDER ASSIST WIDGET

The Rider Assist Widget shows an icon for each of the following features. Each feature can be enabled or disabled by clicking on the feature box on the display.

- Tailgate Warning
- Blind Spot Warning
- Bike Hold Control



ELECTRONIC COMBINED BRAKING

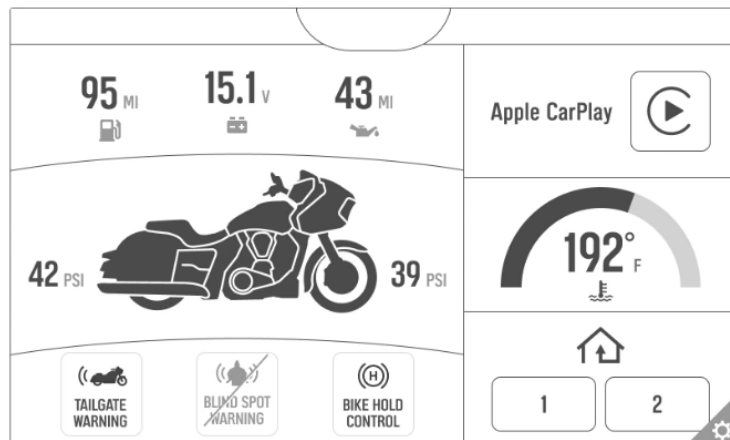
Electronic Combined Braking is a linked braking system controlled by the ABS module that generates additional stopping power on the opposing brake system. When the front brake is applied the system will actuate the rear brakes, and vice-versa, allowing for approximately 25-40% improved stopping efficiency and reduced stopping distance.

INSTRUMENTS, FEATURES AND CONTROLS

BIKE INFO SCREEN

The Bike Information Screen shows an icon for each of the following features. Each feature can be enabled or disabled by clicking on the feature box on the display.

- Tailgate Warning
- Blind Spot Warning
- Bike Hold Control

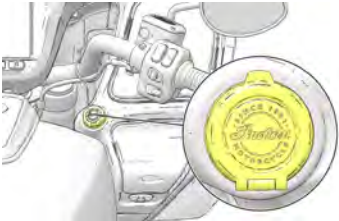


MISFIRE DETECTION

If a misfire is detected, the check engine indicator lamp will begin to flash and fuel will be cut to the affected cylinder(s). The check engine indicator lamp will continue to flash until the ignition switch has been moved to the off position. Restarting the engine will clear the flashing indicator and restore fuel to both cylinders. If another misfire occurs, the check engine indicator lamp will resume flashing and fuel will once again be cut to the affected cylinder(s). After the 3rd misfire, P0314 misfire fault is determined & set, the check engine light will remain on and fuel will be cut to the affected cylinder(s). If this occurs, your INDIAN MOTORCYCLE dealer can assist.

BATTERY CHARGE PORT/HEATED GEAR PLUG

The Battery Charge Port is located on the dash and a maintenance charger can be connected to it for extended periods (e.g. winter storage).

Challenger and Pursuit Models	Chieftain and Roadmaster Models
	

⚠ CAUTION

Wait until bike cools to ambient temperature before plugging a battery charger into the battery charge port. Avoid routing charger cables over hot or sharp surfaces.

HEADLIGHTS

The headlights automatically come on when the engine is started.

⚠ WARNING

Motorcycle riders must remain as visible as possible at all times. To aid in this, the headlight must be on at all times. Do not modify the ignition/headlight wiring to circumvent the automatic headlight feature.

The headlights operate only when the engine is running. You can use the high/low headlight beam switch to override this function and allow the headlights to operate when the engine is not running. Turn the power switch on, then toggle the high/low headlight beam switch to turn the headlights on.

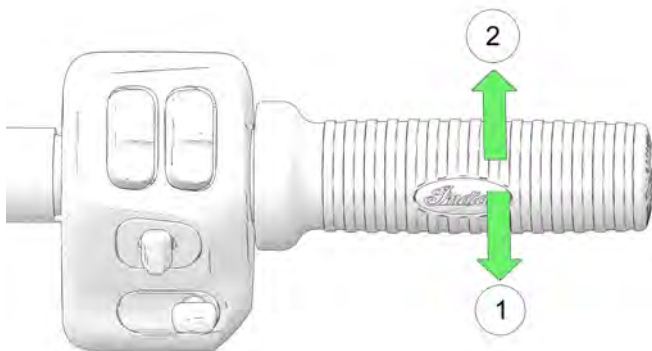
INSTRUMENTS, FEATURES AND CONTROLS

THROTTLE CONTROL GRIP

The throttle control grip is located on the right handlebar. Use the throttle control grip to control engine speed.

While seated in the proper riding position:

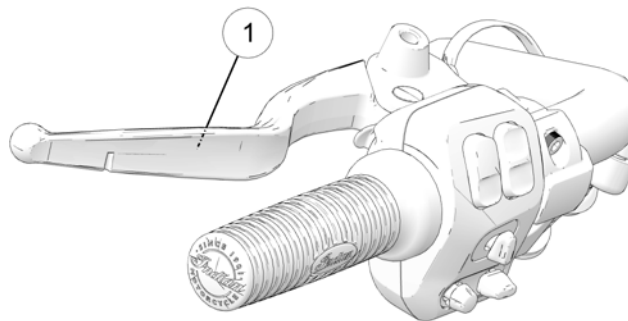
- Roll the grip rearward ① to open the throttle (increase engine speed and power).
- Roll the grip forward ② to close the throttle (decrease engine speed and power), and cancel cruise control.



The control grip is spring loaded. When you release the grip, the throttle returns to the idle position.

CLUTCH LEVER

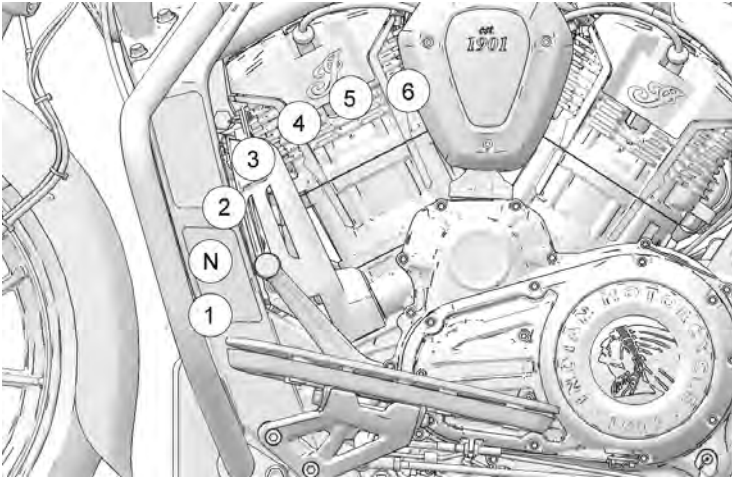
The clutch lever ① is located on the left handlebar. Disengage the clutch before shifting gears. For smooth clutch operation, pull the lever quickly and release it in a brisk but controlled manner.



- To disengage the clutch, pull the lever toward the handlebar.
- To engage the clutch, release the lever in a brisk but controlled manner.

GEAR SHIFT LEVER

The gear shift lever is located on the left side of the motorcycle. Operate the lever with your foot.



- Press downward on the toe lever to shift to a lower gear.
- Lift upward on the toe lever to shift to a higher gear.
- Release the lever after each gear shift.
- See page 114, for gear shifting procedures.

TIRE PRESSURE MONITORING SYSTEM

NOTICE

On models equipped with a Tire Pressure Monitoring System (TPMS), the sensors are located 180° from the valve stem. Use caution when servicing tires. To avoid damaging a sensor, break the bead at the valve stem, then at 90° and 270° from the valve stem as required.

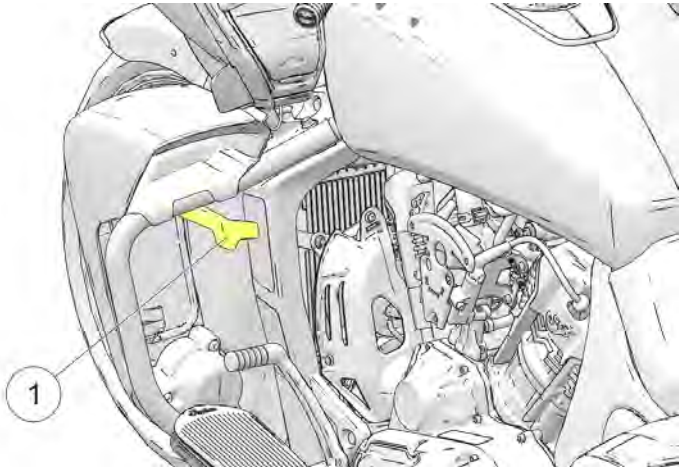
On models equipped with TPMS, the pressure of each tire can be viewed on the Ride Command display. If dashes display instead of a pressure value while traveling above 15 mph (24 km/h), the system may not be functioning properly. See your dealer for service.

The TPMS warning indicator will illuminate if low tire pressure is detected. Always correct low tire pressure promptly. Always inspect tire pressure and condition before each ride. See the Tire Pressure section for more information.

The TPMS display may indicate an increase in tire pressure while riding, a normal occurrence as tires warm up. Riding into colder conditions may result in a drop in tire pressure as tires cool down. Regardless of conditions, low tire pressures should always be corrected promptly.

LOWER FAIRING (IF EQUIPPED)

Each side of the lower fairing has levers ① that allow the rider to open and close vents in the front of the fairing that allow air flow to the rider. The air vents are infinitely adjustable and opening the vents fully may or may not provide optimal cooling based on the size or position of the rider(s).



TRUNK (IF EQUIPPED)

Do not exceed the cargo capacity of a trunk, a cargo rack or a trunk/cargo rack combination. The capacity for the trunk alone, as well as for any trunk/cargo rack combination, is listed in the table below. The capacity for a rack alone is 5 lbs. (2.2 kg). If you load a rack with 5 lbs. (2.2 kg) of cargo, do not add more than 25 lbs. (11.3 kg) to a hard trunk.

Hard Trunk	30 lb (13.6 kg)
Cargo Rack (Alone)	5 lb (2.2 kg)

NOTICE

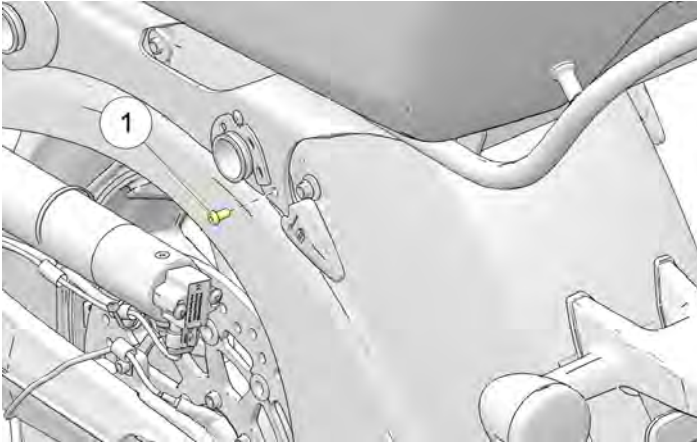
Before riding, ensure that the trunk latches are properly secured.
Before leaving the vehicle unattended, ensure the security screws are securely installed.

12-VOLT RCA POWER PLUG

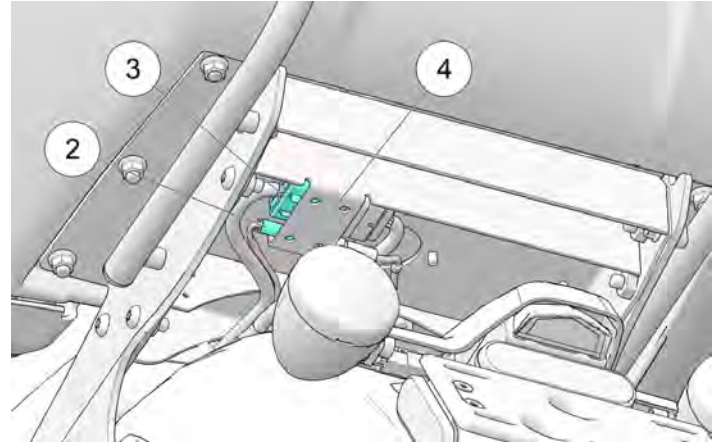
The RCA power plug (with cover) mounts to the switch panel and is plugged into the main vehicle wire harness.

HARD TRUNK REMOVAL (IF EQUIPPED)

1. If applicable, remove the left and right saddlebags (see page 89) and remove the trunk lock fastener ① from each trunk latch.



2. Disconnect the antenna harness plugs and trunk harness multi-plug ③.

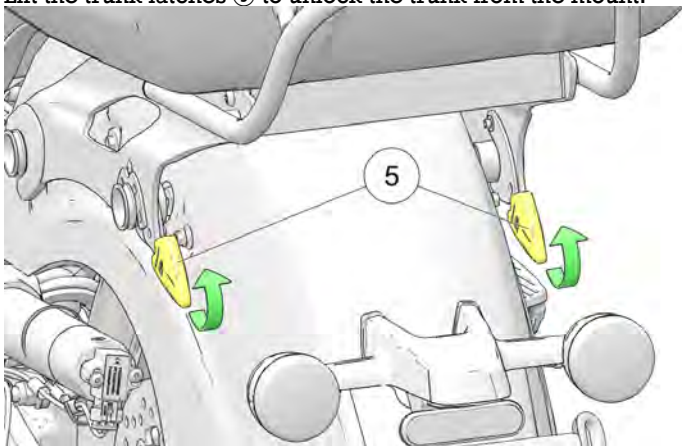


NOTE

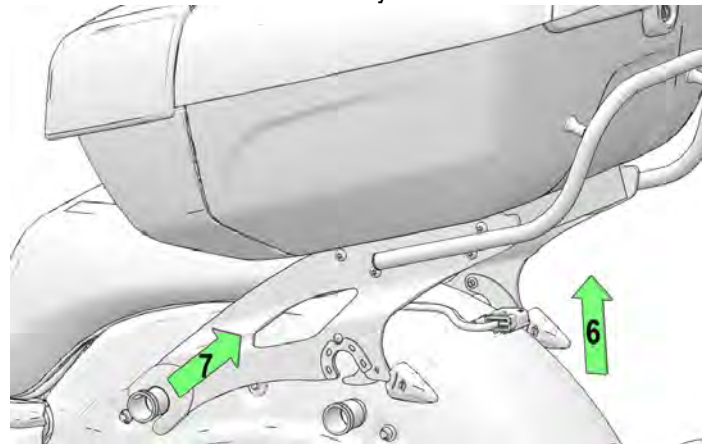
The harness connectors are located above the metal mounting plate ④.

INSTRUMENTS, FEATURES AND CONTROLS

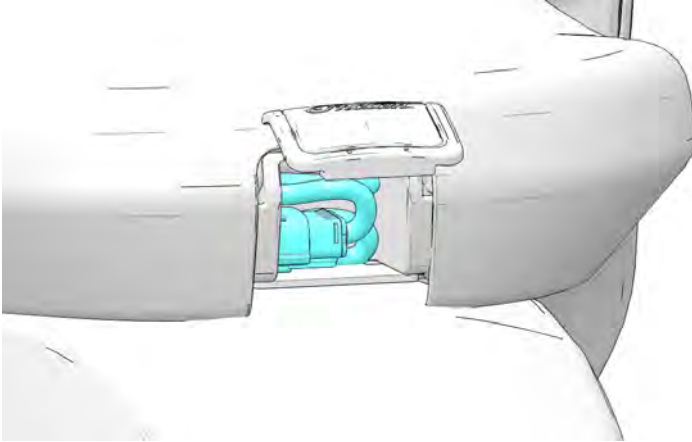
3. Lift the trunk latches ⑤ to unlock the trunk from the mount.



4. Lift up on the rear of the trunk ⑥ and slide rearward ⑦ to release the trunk from the motorcycle.



5. Carefully gather the wiring harness and place in seat storage compartment.

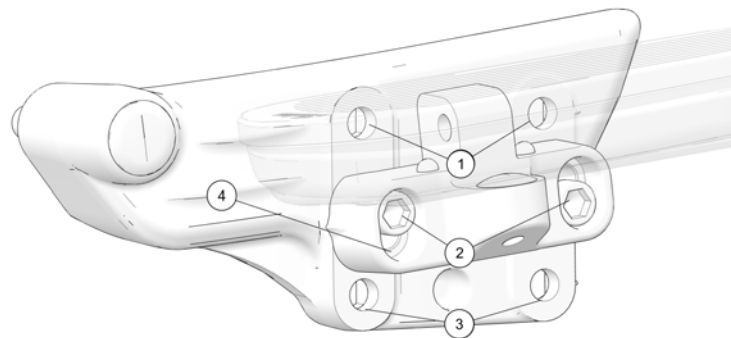


6. Place the cover over the compartment to close the compartment.



PASSENGER FLOORBOARD ADJUSTMENT (IF EQUIPPED)

If your model is equipped with a passenger floorboard, the passenger floorboard is adjustable for both height and angle.



To adjust:

- 1. Position the passenger floorboard vertically for fastener access.
- 2. Remove the fasteners ②.
- 3. Reassemble the floorboard to the desired height ①, ②, or ③.

NOTE

Adjust the floorboard angle in the fastener pivot slots ④ to the desired angle position prior to retightening.

TORQUE

19 ft-lbs (25 N·m)

SADDLEBAGS

NOTICE

The left saddlebag removal procedure is similar to the right saddlebag. The right saddlebag is shown in the illustrations.

Do not exceed the weight limit of each saddlebag. Always distribute weight evenly in each of the saddlebags. Refer to the saddlebag/cargo warning label on or near the saddlebag for cargo capacity.

Hard bag capacity is 22 lb (10 kg) of cargo per side.

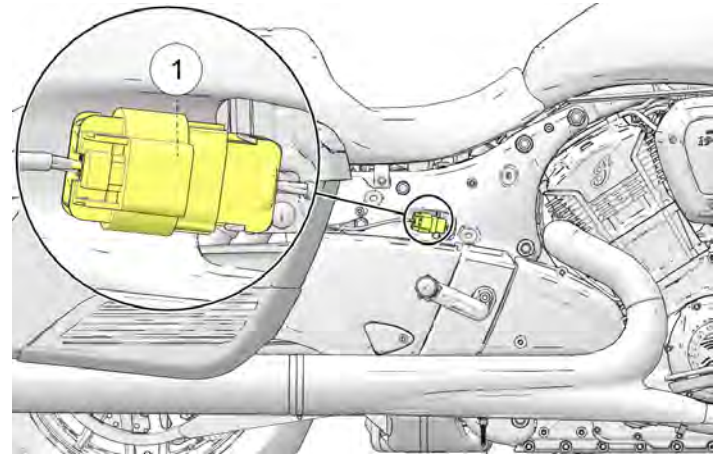
HARD BAG REMOVAL

1. Remove the side cover.
2. Unlock the electric saddlebag locks (if equipped).

NOTICE

The provided key can also be used in the saddlebag latch buttons to unlock the saddlebag lids.

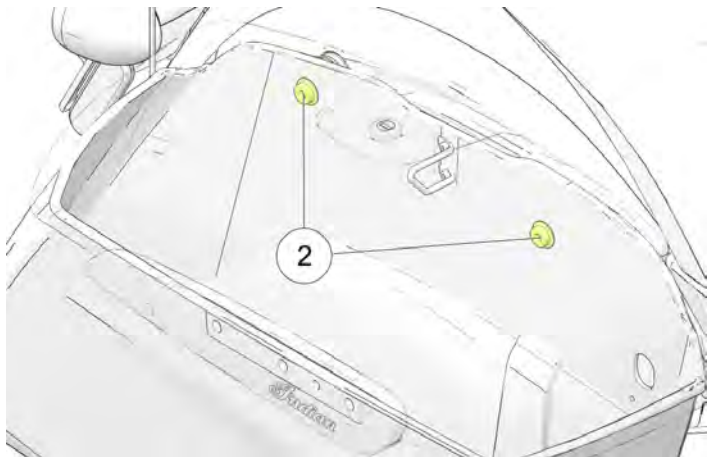
3. Disconnect the saddlebag lock wiring near the seat ①.



4. Press the lid latch release button and lift the lid.

INSTRUMENTS, FEATURES AND CONTROLS

5. Remove the saddlebag fastener bolts ②.



6. Tilt the saddlebag away from the frame of the vehicle to remove it.
7. To reinstall, place the hard bag in a fully seated position on the muffler.
8. Insert saddlebag fastener bolts and torque to specification.

TORQUE

Fastener Bolts:
18 ft-lbs (24 N·m)

9. Reconnect the electrical wiring.

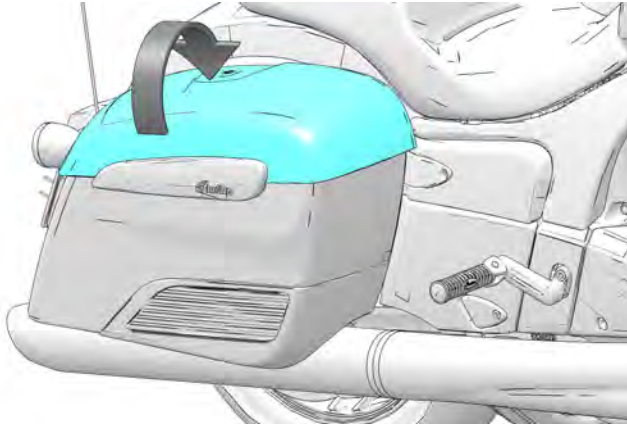
10. Reinstall the side panel, using care to avoid damaging electrical wires.

WARNING

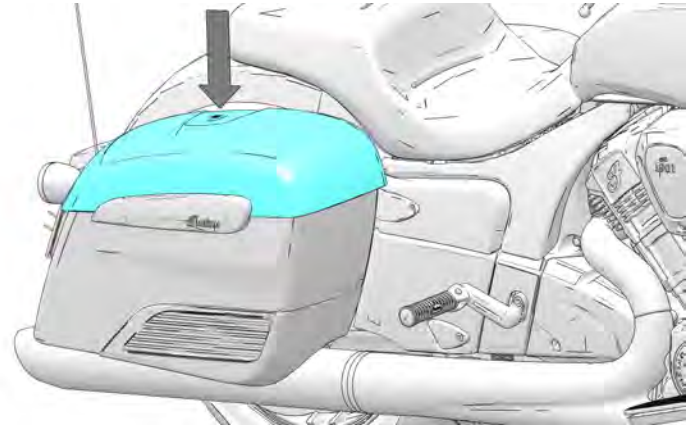
Improper saddlebag installation can result in loss of control, accident and driving hazards for other motorists (if saddlebag falls from the motorcycle). Always make sure saddlebags are mounted properly.

SADDLEBAG CLOSURE

1. Close lid. Make sure lid is aligned with bin.



2. Press firmly on lid until latch is fully engaged and lid is closed tightly.



NOTICE

Make sure saddlebag latch is secure after closing lid.

SIDESTAND

The sidestand is equipped with a safety switch that prevents operation of the motorcycle if the sidestand is deployed.

WARNING

An improperly retracted sidestand could contact the ground and cause a loss of control resulting in serious injury or death. Always retract the sidestand fully before operating the motorcycle.

To park the motorcycle, swing the end of the sidestand downward and away from the motorcycle until it is fully extended. Always turn the handlebars to the left for maximum stability. Lean the motorcycle to the left until the sidestand firmly supports the motorcycle.

CAUTION

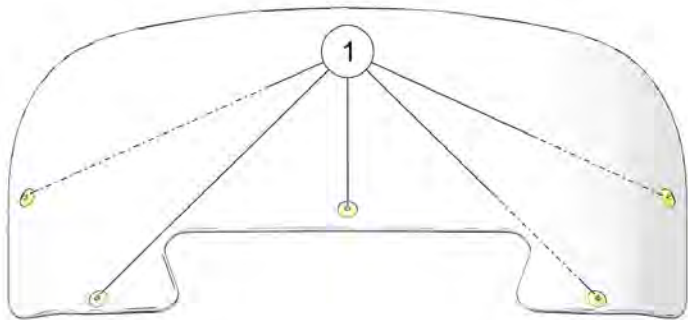
If the motorcycle weight is not resting on the sidestand, it will not lock. In this situation, any movement of the motorcycle could cause the sidestand to retract slightly. If the sidestand is not in the full forward position when the motorcycle weight is rested on it, the motorcycle could fall over, possibly causing injury and damage to the motorcycle.

To retract the sidestand, straddle the motorcycle and bring it to the fully upright position. Swing the end of the sidestand upward and toward the motorcycle until it is fully retracted.

WINDSHIELD

WINDSHIELD REMOVAL

1. Power the windshield to full up position to gain access to the five screws securing the windshield.
2. Remove the five screws securing the windshield ①.



3. Pull the windshield forward and away from the vehicle.
4. Reverse this procedure to reinstall the windshield.

TORQUE

Windshield Screws:
36 in-lbs (4 N·m)

WINDSHIELD CARE

Clean the windshield with a soft cloth and plenty of warm water. Dry with a soft clean cloth. Remove minor scratches with a high-quality polishing compound designed for use on polycarbonate surfaces.

NOTICE

Brake fluid and alcohol will permanently damage the windshield and the adjustable wind deflectors. Do not use glass cleaners, water or soil repellents, and petroleum or alcohol based cleaners on the windshield or the adjustable wind deflectors, as these products can damage these parts.

MIRRORS

Your vehicle is equipped with convex mirrors. Objects seen in a mirror may be closer than they appear. Always adjust mirrors before riding.

To adjust the mirrors, sit on the motorcycle in the anticipated riding position. Adjust the mirrors so that you can see a small portion of your shoulders in each mirror.

BRAKES

The front brake lever activates the front brake calipers. The rear brake pedal activates the rear brake caliper. On models equipped with Electronic Combined Braking, both the front and rear brake systems will activate when using the front brake lever or rear brake pedal. For maximum brake effectiveness, apply the front brake lever and the rear brake pedal together.

ANTI-LOCK BRAKE SYSTEM (ABS)

The anti-lock brake system automatically adjusts brake pressure as needed to provide optimum braking control, reducing the chance of wheel lock-up during hard braking events or when braking on rough, uneven, slippery or loose surfaces. See page 29.

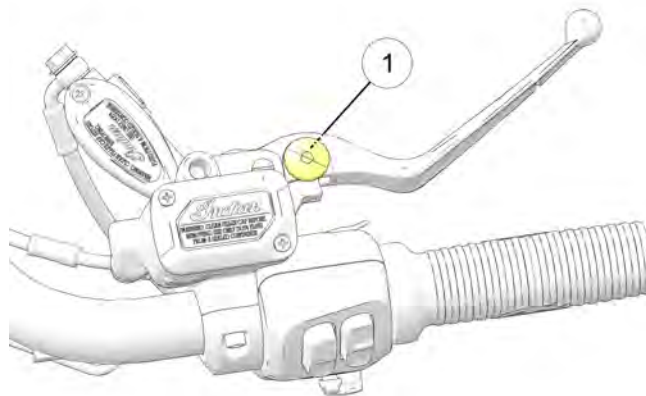
- The anti-lock brake system cannot be turned off.
- The ABS indicator always flashes when vehicle power is turned on. It remains illuminated until the anti-lock system activates, which occurs when vehicle speed exceeds 3 mph (5 km/h). If the ABS light does not come on, your authorized INDIAN MOTORCYCLE dealer can assist.
- When the lamp is flashing, the anti-lock brakes will not activate, but the conventional brake system will continue to operate normally.
- When the anti-lock brakes engage during a braking event, the rider will feel pulsing at the brake levers. *Continue to apply steady pressure to the brakes for the best stopping performance.*
- If the lamp continues to flash after vehicle speed exceeds 3 mph (5 km/h), the ABS system is not functioning. See your INDIAN MOTORCYCLE dealer or other dealer promptly for service.
- Operating with non-recommended tires or improper tire pressure may reduce the effectiveness of the anti-lock brake system. Always use the recommended size and type of tires specified for your vehicle. Always maintain the recommended tire pressure.
- The anti-lock brake system will not prevent wheel lockup, loss of traction or loss of control *under all conditions*. Always adhere to all safe motorcycle-riding practices as recommended.

INSTRUMENTS, FEATURES AND CONTROLS

- It is not unusual to leave tire marks on the road surface during a hard braking event.
- The anti-lock brake system does not compensate for or reduce the risks associated with:
 - excessive speed
 - reduced traction on rough, uneven or loose surfaces
 - poor judgment
 - improper operation

FRONT BRAKE LEVER

The front brake lever is located on the right handlebar. This lever controls only the front brakes on models not equipped with Electronic Combined Braking and activates both the front and rear brake systems on models equipped with Electronic Combined Braking. The front brakes should be applied simultaneously with the rear brakes. On models equipped with Electronic Combined Braking it is normal to feel some minor pulsations in the lever when both front and rear controls are activated simultaneously. To apply the front brake lever, pull the lever toward the handlebar. See page 117 for braking procedures.



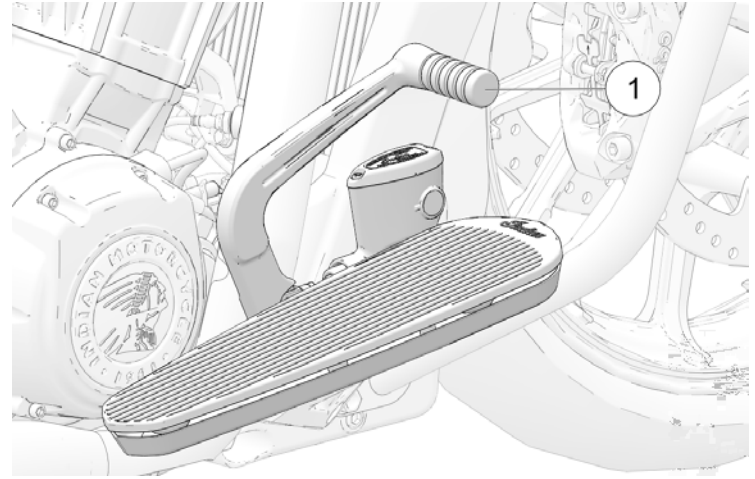
The front brake lever reach (distance to the hand grip) is adjustable. To adjust the front brake lever reach, do the following:

1. *Gently push and hold* the lever away from the hand grip. The adjuster wheel ① is located on top of the lever.
2. To increase reach distance, rotate the adjuster to a lower number.
3. To decrease the reach distance, rotate the adjuster to a higher number.

REAR BRAKE PEDAL

The rear brake pedal ① is located on the right side of the motorcycle. Press downward on the rear brake pedal to apply the rear brake on models not equipped with Electronic Combined Braking and to apply both the front and rear brake systems on models equipped with Electronic Combined Braking. On models equipped with Electronic Combined Braking it is normal to feel some minor pulsations in the pedal when both front and rear controls are activated simultaneously.

See the Rider Assist System section for more information about the Electronic Combined Braking system.



WARNING

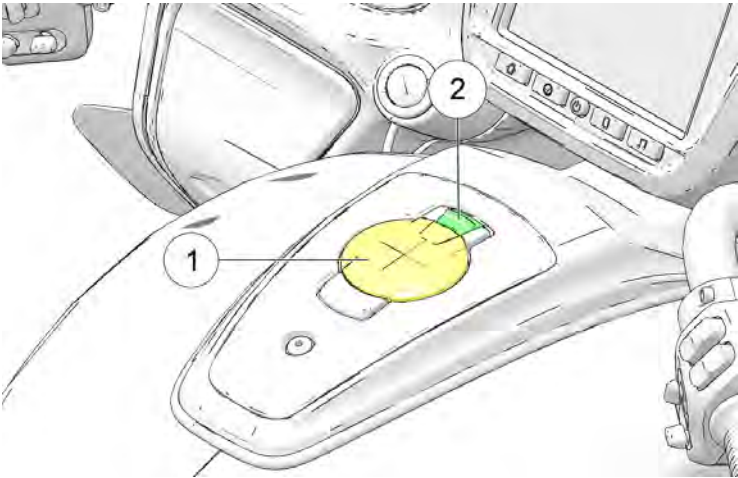
Resting your foot on the brake pedal will cause excessive and premature wear of brake pads and reduced braking efficiency, which could result in serious injury or death.

See page 117 for braking procedures.

INSTRUMENTS, FEATURES AND CONTROLS

FUEL CAP

The fuel filler cap ① is located on the center of the fuel tank.

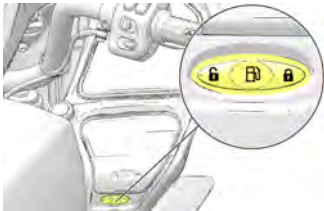


To open the fuel cap, do the following:

NOTICE

The fuel cap automatically locks when you start the engine.

1. Press the center of fuel cap unlock button located on the lower right fairing.

Challenger and Pursuit Models	Chieftain PowerPlus and Roadmaster PowerPlus Models
	

2. Press the fuel cap release button ② to release spring loaded cap.

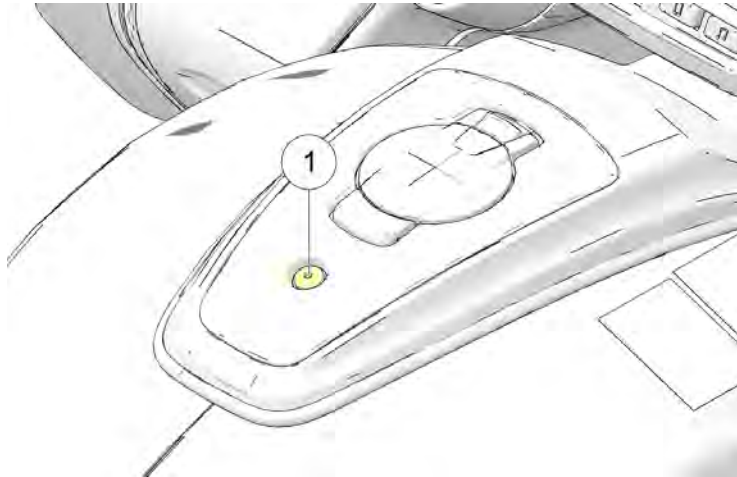
NOTICE

The fuel cap will not release if the engine is running.

3. See page 110 for fueling instructions.
4. To close, press fuel cap downward until it clicks.

MANUAL OVERRIDE**NOTICE**

The manual override process should only be used in case of system lock issues or loss of bike electric power. You should use the electric unlock process detailed on page 96, or have a authorize dealer repair the system if it does not work. The manual override process shows you how to perform a 1 time manual reset of the cap lock to add fuel if stranded.



1. Ensure engine is not running before attempting to manually unlock fuel cap

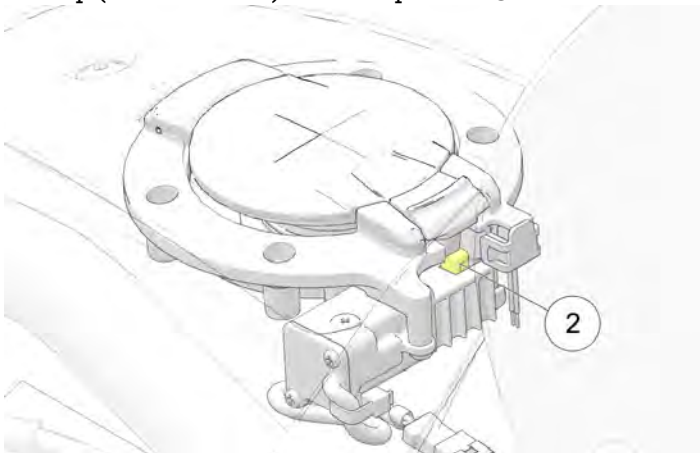
NOTICE

Cap will automatically lock/re-lock if closed and engine is running.

2. Remove the console by unscrewing fastener at back of console ①.
3. With fastener removed, lift the rear of console enough to clear fuel cap and push forward to release front mount from keyway.
4. Lift console up and out, away from the fuel tank, to complete removal.

INSTRUMENTS, FEATURES AND CONTROLS

5. Use a small, narrow tool to push the lock solenoid at the front of fuel cap (under the latch) to the left position ②.



6. Reinstall console.

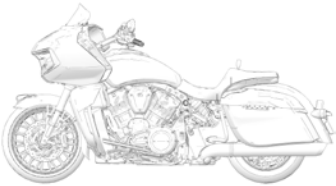
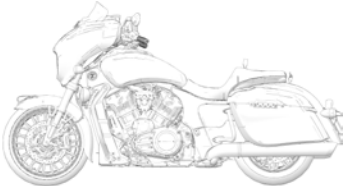
NOTICE

Console cannot be re-installed with fuel cap open. It is recommended that the console be re-installed prior to opening the fuel cap.

7. Release cap via latch per normal operation.

PRE-RIDE INSPECTIONS OVERVIEW

To keep your motorcycle in safe operating condition, always perform the recommended pre-ride inspections before each ride. This is especially important before making a long trip and when removing the motorcycle from storage.

Challenger and Pursuit Models	Chieftain and Roadmaster Models
	

WARNING

Failure to perform the recommended pre-ride inspections could result in component failure while riding, which could result in serious injury or death. Always perform the pre-ride inspections before each ride. When inspection reveals the need for adjustment, replacement or repair, perform the service promptly, or your authorized INDIAN MOTORCYCLE can assist.

WARNING

Read the entire Instruments, Features and Controls section of this manual before riding your motorcycle. A complete understanding of the features and capabilities of your motorcycle is essential to its safe operation. Anything less may result in serious injury or death.

You must be familiar with all instruments and controls to perform the pre-ride inspections.

NOTICE

During the pre-ride inspections you may use products that are potentially hazardous, such as oil or brake fluid. When using any of these products, always follow the instructions and warnings on the product packaging.

When inspections reveal the need for adjustment, replacement or repair:

- refer to the maintenance section of this manual (page 122)
- refer to the INDIAN MOTORCYCLE Service Manual
- or see your authorized INDIAN MOTORCYCLE dealer or other qualified dealer

PRE-RIDE INSPECTIONS

ELECTRICAL INSPECTIONS

Turn the power switch on and move the stop/run switch to RUN before performing the following electrical inspections. Turn the power switch off after completing these inspections. If inspection of any electrical item reveals component failure, repair or replace the component before operating the motorcycle.

ITEM	INSPECTION PROCEDURE
Head-lamp	Move the headlight switch from low beam to high beam to turn the lights on and verify operation of both beams. Start the engine. Switch to high beam. Verify that the high beam indicator comes on and that lamp brightness increases. Press and hold the low beam switch to verify "Flash to Pass" functionality.
Tail-light-s/Brake-light	Verify that the taillights and license plate light illuminate. Verify that the taillight lamps increase in brightness when the front brake lever is applied and also when the rear brake pedal is applied.
Turn Signals	Move the turn signal switch to the left. Verify that front and rear left turn signals flash, as well as the corresponding light on the indicator panel. Move the switch to the center position and push it inward to cancel the signal. Verify that the signals and the indicator light stop flashing. Repeat the procedure for the right turn signals.
Saddle-bags	Press the lock button. Verify that the compartments are locked. Press the unlock button. Verify that the compartments are unlocked.

ITEM	INSPECTION PROCEDURE
Trunk (if equipped)	Verify routings under trunk are properly secured and not touching the rear fender.
Emergency Flashers	Press and hold the turn signal switch in for 1 second to activate flashers. Verify that all four turn signals flash, as well as the lamps on the indicator panel. Turn the flashers off. Verify that all signals and indicator lamps stop flashing.
Horn	Press the horn switch. Verify that the horn sounds loudly.
Neutral Indicator	Place the transmission in neutral. Verify that the neutral indicator lamp illuminates and that the letter "N" displays in the gear position display.
Low Oil Pressure Display	Start the engine. Verify that the low oil pressure indicator is not illuminated.
Engine Stop/Run Switch	Start the engine. Move the stop/run switch to the STOP position. Verify that the engine stops.
Rear Radar Sensor Cover	Ensure that the Rear Radar Sensor Cover is clear of debris.

GENERAL INSPECTIONS

ITEM	INSPECTION PROCEDURE
Engine Oil	Check the oil level. See page 102.
Fuel	Check the fuel level. See page 55.
Coolant	Check coolant level. See page 146.
Fluid Leaks	Check the vehicle and the ground/floor for any fuel, oil, coolant, or hydraulic fluid leaks.
Tires	Inspect condition, pressure and tread depth. See page 103.
Brake Operation	Inspect pedal and lever movement.
Brake Fluid Levels	Check front and rear brake fluid levels.
Brake Components	Inspect hoses and connections.
Throttle	Inspect hand grip and throttle movement.
Clutch	Check lever operation and freeplay.
Front Suspension	Check for leaks, debris and damage.
Steering	Check for smooth operation by turning handlebars full left and full right.
Rear Suspension	Inspect for leaks.
Ride Height	Make sure preload is adjusted properly for load. See page 152.

ITEM	INSPECTION PROCEDURE
Rear Drive Belt	Check for wear or damage. Check drive belt tension. See page 147.
Sidestand	Verify smooth operation, inspect pivot bolt and spring.
Fasteners	Inspect for loose, damaged or missing fasteners.
Mirrors	Adjust for proper rear view.
Trunk/Saddlebags	If equipped, make sure the trunk and saddlebags are properly installed and that lids are securely closed.

PRE-RIDE INSPECTIONS

ENGINE OIL LEVEL

With the semi-dry sump lubrication system, the engine oil level on the dipstick will fluctuate, depending on the motorcycle's position and engine temperature when checked. To ensure a proper reading of the engine oil level, follow all inspection procedures closely.

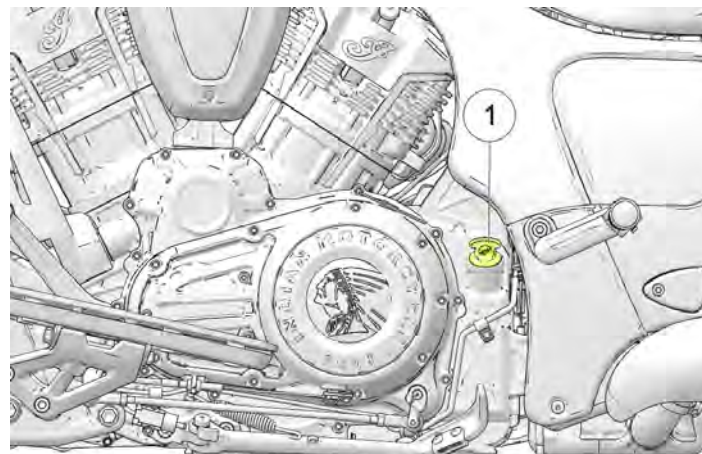


Operating with insufficient, deteriorated or contaminated engine oil will cause accelerated wear and may result in engine or transmission seizure, which could result in loss of control and serious injury or death. Check the oil level frequently.

Always check the oil after running a cold engine at idle for 30 seconds. The oil fill/dipstick is located on the left side of the motorcycle. Always use the recommended oil. See page 213.

1. Position the motorcycle on level ground in the fully upright and centered position.
2. Start the engine (from cold) and allow it to idle for 30 seconds. Stop the engine.

3. Remove the dipstick ① and wipe it clean.



4. Thread the dipstick until fully seated.
5. Remove the dipstick and view the oil level.

NOTICE

Do not overfill. Overfilling can result in loss of engine performance and an oil-saturated air filter. Use a suction device to remove excess oil if overfilled.

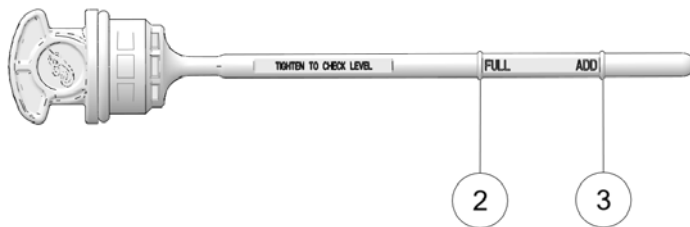
6. Add the recommended oil as needed to bring the level within the safe operating range (anywhere between the two marks on the dipstick). If the oil level on the dipstick is anywhere in the safe range, do not add oil. Oil should be added only if the proper oil check procedure is followed and the level is below safe mark.

NOTICE

Oil should be added only if the proper oil check procedure is followed and the level is below the safe mark.

NOTICE

The approximate volume between the FULL ② and ADD ③ marks on the dipstick is 0.5 qt (0.47 L).



7. Reinstall the dipstick securely.
8. Repeat steps 3–7 to ensure the level is within the safe operating range.

TIRES**⚠ WARNING**

Operating the motorcycle with incorrect tires, incorrect tire pressure or excessively worn tires could cause loss of control or accident. Under inflation can cause a tire to overheat and result in a tire failure. Only use tires approved by INDIAN MOTORCYCLE for the model of the motorcycle. See your dealer for more information. Use of unapproved or an improperly mixed front and rear tire can result in decreased handling performance and stability, potentially leading to reduced control of the motorcycle. Always maintain proper tire pressure as recommended in the rider's manual and on safety labels.

TIRE PRESSURE

Improper tire pressure can result in irregular tire wear, tire failure, reduced fuel economy and a poor riding experience. It can also affect handling and stopping ability.

Slow tire pressure loss over time is normal for a functional tire. Although a tire pressure monitoring system (TPMS) will alert the user to a low pressure condition (if equipped), always inspect tire pressure and condition before each ride.

Check tire pressure before riding, when the tires are cold. This will provide the most accurate reading, as riding warms the tires and increases tire air pressure. Tires remain warm for at least 3 hours after a ride. Do not adjust tire pressure immediately after riding. As tires cool, the pressure will drop and result in underinflation. Always check and adjust tire pressure when tires are cold.

PRE-RIDE INSPECTIONS

Using supplied air pressure gauge, adjust tire pressure to the recommended pressure. See page 35.

TIRE CONDITION

Inspect the tire sidewalls, road contact surface and tread base. If inspection reveals cuts, punctures, cracks or other wear or damage, replace the tire before riding. Only use tires approved by INDIAN MOTORCYCLE for the model of the motorcycle. See your dealer for more information. Use of unapproved or an improperly mixed front and rear tire can result in decreased handling performance and stability, potentially leading to reduced control of the motorcycle.

TIRE TREAD DEPTH

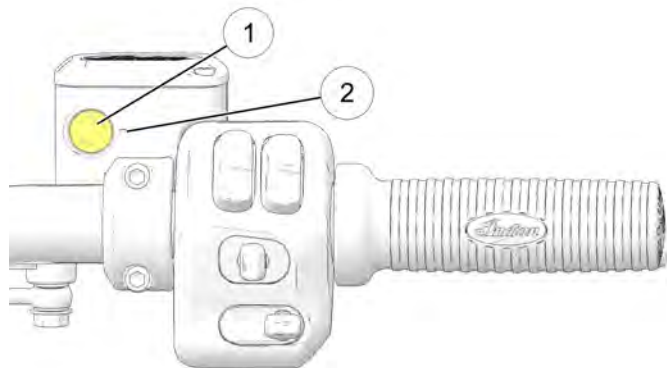
Replace any tire with a tread depth of less than 1/16 in (1.6 mm).

Tread wear indicators are located in at least six places on the tread circumference and become visible at a tread depth of approximately 1/16 in (1.6 mm). The tread wear indicators appear as a solid band across the tread.

You may also use a depth gauge or an accurate ruler to measure the depth of the center tire tread on both front and rear tires.

FRONT BRAKE FLUID LEVEL

1. Bring the motorcycle to the fully upright position. Position the handlebars so that the fluid reservoir is level.
2. View the fluid level through the sight glass ①. The fluid should be clear. Replace cloudy or contaminated fluid.



3. The fluid level should be above the minimum indicator mark ② near the sight glass.

- If the fluid level is low, inspect brake pads as outlined on page 169. If pads are not worn beyond the service limit, inspect the brake system for leaks. Check for signs of brake fluid leaks around hoses, fittings, reservoir, and brake calipers.
- Add brake fluid if necessary. See page 167.

FRONT BRAKE LEVER

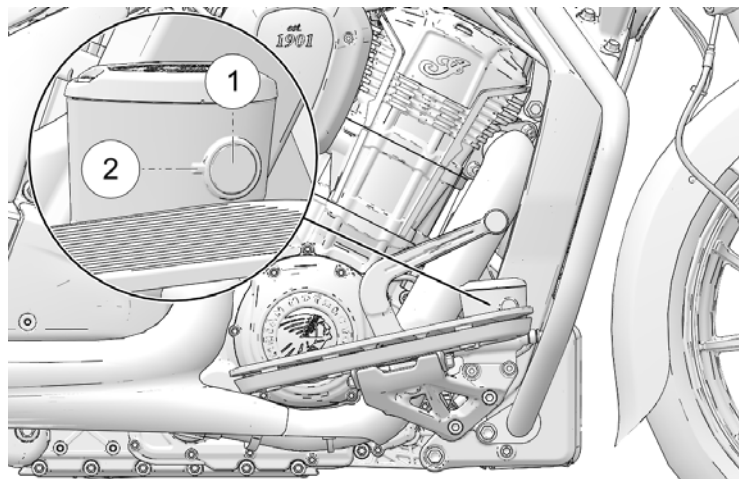
- Pull the front brake lever toward the handlebar and hold it. The lever should move freely and smoothly. The lever should feel firm and continue to feel firm until released.
- Release the lever. It should return to its rest position quickly when released.
- If the front brake lever fails to perform as stated, service the brake lever before riding.

REAR BRAKE PEDAL

- Press downward on the rear brake pedal. It should move freely and smoothly. The pedal should feel firm and continue to feel firm until released.
- Release the pedal. It should return to its rest position quickly when released.
- If the rear brake pedal fails to perform as stated or travels too far before beginning to engage the brake, service the brakes before riding.

REAR BRAKE FLUID LEVEL

The rear brake fluid reservoir is located near the rear brake pedal. View the reservoir level from the right side of the vehicle.



- Position the motorcycle on level ground in the fully upright position.
- View the brake fluid through the reservoir sight glass ①.
- The fluid should be clear. Replace cloudy or contaminated fluid.
- The fluid level should be above the minimum indicator mark ② on the reservoir body. Add brake fluid as needed.

PRE-RIDE INSPECTIONS

BRAKE LINES

Inspect all brake hoses and connections for dampness or stains from leaking or dried fluid. Tighten any leaking connections to the proper torque values and replace components as necessary. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer or other qualified dealer.

WARNING

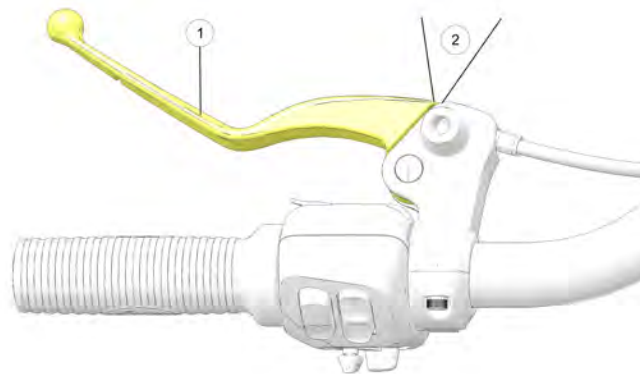
Brake fluid leaks or low brake fluid levels could cause brake system failure, which could result in serious injury or death. Do not operate the vehicle with low brake fluid levels or when leaks are evident (dampness or stains from dried fluid). See your authorized INDIAN MOTORCYCLE dealer or other qualified dealer.

THROTTLE

Rotate the throttle control grip. It should rotate smoothly from the rest position to the completely open position. It should return to the rest position quickly when released.

MECHANICAL CLUTCH

1. Squeeze the clutch lever ① toward the handlebar and release it. It should move freely and smoothly, and it should return to the rest position quickly when released. If the lever fails to perform as stated, service the clutch lever before riding.



2. Freeplay (gap) is the amount of lever movement from the rest position to the point of cable resistance. Clutch lever freeplay ② should be 0.5-1.5 mm. Measure the gap between the clutch lever and the lever housing. Adjust clutch lever freeplay if necessary.

NOTICE

The starter interlock switch is dependent on the clutch lever freeplay being set correctly to ensure activation of the clutch safety switch.

SIDE-STAND

1. On level ground, straddle the motorcycle and bring it to the fully upright position.
2. Move the side-stand up to the stored position and down to the fully extended position several times. It should move smoothly and quietly. Make sure the return spring holds the side-stand tightly in place when the side-stand is in the stored position. Adjust or replace a loose spring.
3. Inspect the side-stand pivot bolt for looseness or wear. Tighten or replace a loose or worn bolt.
4. Periodically test the side-stand safety switch for proper operation. With the transmission in gear and brakes applied, attempt to start the engine while the side-stand is down. The engine should NEVER start in any gear except neutral if the side-stand is down. If the engine starts during this test, see your dealer for service.

FASTENERS

1. Inspect the entire motorcycle chassis and engine for loose, damaged or missing fasteners.
2. Tighten loose fasteners to the proper torque. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer or other qualified dealer.

NOTICE

Always replace stripped, damaged or broken fasteners before riding. Use genuine INDIAN MOTORCYCLE fasteners of equal size and strength.

FRONT SUSPENSION

Inspect the front forks for oil leaks or damage, and verify smooth suspension operation. See page 154.

STEERING

1. On level ground, straddle the motorcycle and bring it to the fully upright position. Turn the handlebars from stop to stop. The action should be smooth, but not loose.
2. Make sure wires, hoses and control cables do not interfere with smooth steering.

PRE-RIDE INSPECTIONS

REAR SUSPENSION

Check the rear shock absorber mounting and inspect for leaks. See your dealer for service if you discover leaks or malfunction of any kind. See page 152.

⚠ WARNING

Inadequate ground clearance could result in components contacting the ground, causing loss of control and serious injury or death. Always ensure ground clearance is at specification.

REAR DRIVE BELT

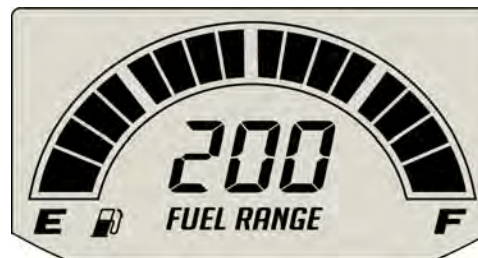
1. Check drive belt tension. See page 147.

NOTICE

The drive belt system must be cool, clean and dry to accurately measure belt tension (deflection). Do not measure belt tension when the belt or drive system is wet or when it is hot (such as immediately after riding).

2. Check the drive belt for debris.
3. Inspect drive belt condition. See page 147. If you discover cracks, broken teeth or frayed edges, replace the drive belt before riding. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.

FUEL LEVEL



For the most accurate reading, sit on the motorcycle and bring it to the upright position before turning it on.

The segments of the fuel gauge show the level of fuel in the fuel tank. When the last segment clears, a low fuel warning is activated. All segments including the fuel icon will flash. Refuel promptly.

OPERATION OVERVIEW

The operation section of this manual describes how to ensure maximum performance and longevity through the proper care and operation of your motorcycle.

Important areas covered by the operation section include:

- Engine Break-In
- Fueling
- Starting the Engine
- Shifting Gears
- Using Cruise Control (if equipped)
- Accelerating
- Braking
- Stopping the Engine
- Parking

NOTICE

Even if you're an experienced motorcycle operator or passenger, read all of the safety information in this manual before operating the motorcycle. See page 23.

ENGINE BREAK-IN

The engine break-in period for your motorcycle is the first 500 miles (800 km) of operation. During this break-in period, critical engine parts require special wear-in procedures so they seat and mate properly. Read, understand and follow all break-in procedures to ensure the long-term performance and durability of your engine.

NOTICE

Failure to properly follow the engine break-in procedures outlined in this manual can result in serious damage to the engine. Avoid full throttle operation and other conditions that may place an excessive load on the engine during the break-in period.

The more cautiously you treat your motorcycle during the break-in period, the more satisfied you will be with its performance later on. Overloading the engine at low RPM and/or running the engine prematurely at high RPM may result in damage to the pistons and/or other engine components.

Observe the following precautions during the break-in period:

- Upon initial start-up, do not allow the engine to idle for long periods as overheating can occur.
- Avoid fast starts with wide open throttle. Drive slowly until the engine warms up.
- Avoid running the engine at extremely low RPM in higher gears (lugging the engine).
- Drive within the recommended operating speeds and gears.

OPERATION

OPERATING SPEEDS AND GEARS

ODOMETER		BREAK-IN PROCEDURE
MILES	KM	
0-90	0-145	Do not operate for extended periods above 1/3 throttle or at any one throttle position. Vary engine speed frequently.
91-300	146-483	Do not operate for extended periods above 1/2 throttle or at any one throttle position. Vary engine speed frequently.
301-500	484-800	Do not operate for extended periods above 3/4 throttle.
At 500	At 800	Perform the break-in maintenance outlined in the maintenance section of this manual. Break-in maintenance should be performed by a dealership. Break-in maintenance must include inspection, adjustments, fastener tightening and an engine oil and filter change. Performing break-in maintenance at the required odometer reading helps ensure peak engine performance, minimal exhaust emissions and maximum service life of the engine.

FUELING

Always dismount the motorcycle and refuel on level ground with the sidestand down. Review the fuel warnings. Use only the recommended fuel. See page 213. Hold the nozzle while filling. Do not rest the weight of the nozzle and hose on the filler neck. Do not leave the nozzle unattended.

WARNING

Overflows or spilled gasoline could contact a hot engine or exhaust system and cause a fire, which could result in serious injury or death. Do not allow gasoline to contact hot components.

WARNING

Always fill the fuel tank slowly to prevent spillage. Do not overfill the fuel tank. Leave space in the tank to allow for the fuel to expand.

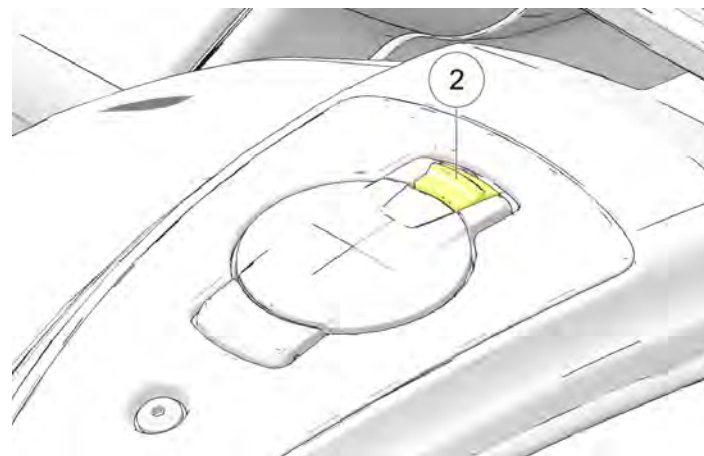
NOTICE

Fuel can damage painted surfaces and plastic parts. If gasoline spills on the any part of the motorcycle, immediately rinse it off with water or wipe it dry with a clean cloth.

1. Press the center of the fuel cap unlock button located on the lower right fairing ①.

Challenger and Pursuit Models	Chieftain PowerPlus and Roadmaster PowerPlus Models
	

2. Press the fuel cap release button ② to access the fuel tank.



3. Insert the fuel nozzle into the fuel tank filler neck.
4. Add fuel to the tank until it crests the circular-shaped opening at the bottom of the filler neck column. The tank is full at this level. Do not overfill the fuel tank. Fuel level should not rise into the fill neck. Overfilling may result in degraded performance of engine and evaporative emissions control system.
5. Always securely close the fuel cap before remounting the motorcycle.

OPERATION

PRIMING THE FUEL SYSTEM

If the motorcycle runs out of fuel, prime the fuel system before attempting to restart the engine.

1. Fill the fuel tank.
2. Turn the power switch on.
3. Move the engine stop/run switch to the RUN position.
4. Allow the fuel pump to run until it stops (about 2 seconds).
5. Move the engine stop/run switch to the STOP position.
6. Repeat steps 3–5 five times.
7. Move the engine stop/run switch to the RUN position.
8. Start the engine. See page 112.

STARTING THE ENGINE

The starter interlock system allows the engine to be started only when the transmission is in neutral, or when the transmission is in gear with the clutch disengaged (clutch lever pulled in). The engine should NEVER start in any gear except neutral if the sidestand is down. See page 92.

NOTICE

If the motorcycle runs out of fuel, prime the system before attempting to restart the engine.

1. Perform the Pre-Ride Inspections. See page 99. Properly secure any cargo.
2. Straddle the motorcycle and bring it to the fully upright position. Retract the sidestand.

NOTICE

When the electrical system is activated with either the power switch or the starter switch, the key fob must be within range.

3. Move the engine stop/run switch to the RUN position.
4. Shift the transmission to neutral.
5. Apply the front brakes. Disengage the clutch (pull the clutch lever fully toward the handlebar).

6. The motorcycle may be electrically activated by pressing the power switch. Then with the throttle closed, press and release the starter switch to start the engine. The starter motor will crank until the engine starts, but no more than 3 seconds. If the engine does not start, wait five seconds and try again.
7. If starting a COOL engine, DO NOT open the throttle while starting. Idle speed is computer controlled and idle speed will adjust automatically depending on engine temperature and air temperature. Allow the engine to warm up for one minute minimum at low RPM after starting. Do not run the engine above 2500 RPM. If starting a WARM engine, DO NOT open the throttle while starting.

8. If either the check engine indicator or the low oil pressure indicator (or display) remains on after the engine starts, stop the engine *immediately*. Refer to the low oil pressure indicator/display information on page 53.

CAUTION

Operating an engine with a misfire or non-firing cylinder can overheat the catalytic converter, which could result in catalytic converter damage and loss of emission control. DO NOT OPERATE the motorcycle if a misfire or non-firing cylinder exists. See page 80.

9. Leave the throttle closed and allow the engine to idle. Idle speed will gradually slow to normal as the engine warms to operating temperature.

NOTICE

Do not rev the engine or put the transmission in gear immediately after starting the engine. Allow the engine to idle for about 30 seconds after a warm start or at least one minute after a cold start (longer in cold weather). This will allow oil to reach all areas before the engine is put under load.

OPERATION

COLD WEATHER OPERATION

WARNING

Avoid operating in icy or snowy conditions. Use caution when driving in temperatures at or below 40 °F (4 °C). Leave more room to stop, reduce cornering speeds, and accelerate gradually. Failure to do so could result in serious injury or death.

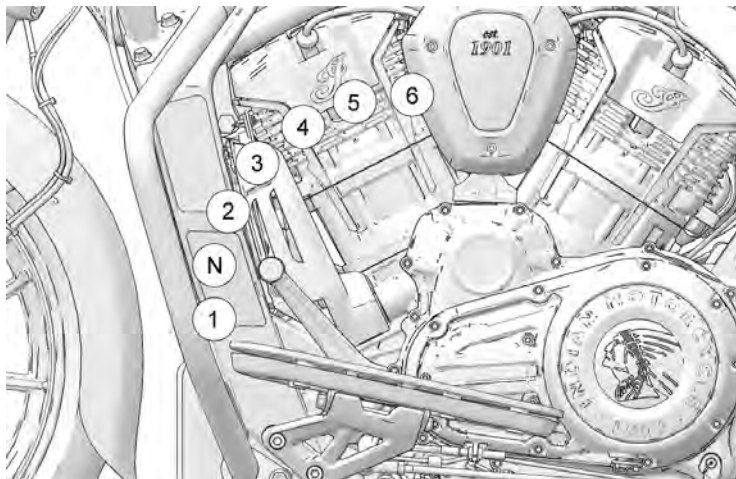
When operating in cold weather at or below 40 °F (4 °C), be advised that:

- The grip on your standard vehicle tires will lessen and reduce traction.
- The dense air from the lower temperatures will allow your vehicle engine to generate more power.
- The engine control program and transmission control program may compensate for lower temperatures and as a result exhibit unexpected behaviors.
- Salt and sand on roadways may reduce the grip on standard vehicle tires and damage the finish on your vehicle. If you must drive on salted/sanded pavement, INDIAN MOTORCYCLE recommends washing frequently and thoroughly to remove any accumulation on your vehicle.

SHIFTING GEARS

WARNING

Forced shifting (without clutch lever pulled in) could cause damage to the engine, transmission and drive train. Such damage could cause loss of control, which could result in serious injury or death. Always pull the clutch lever fully toward the handlebars to disengage the clutch before shifting gears.



This motorcycle is equipped with a six-speed transmission. Neutral is located between first and second gear.

Press downward on the toe lever to shift to a lower gear. Lift upward on the toe lever to shift to a higher gear. Release the clutch lever after each gear shift.

Shifting to neutral is easiest if the motorcycle is rolling slowly. To shift from first gear to neutral, gently lift the toe lever a half stroke.

NOTICE

The transmission is in neutral if you can move the motorcycle forward or rearward freely without disengaging the clutch. If the power switch is ON, the neutral indicator illuminates when the transmission is in neutral.

SHIFTING GEARS WHILE STATIONARY

To locate neutral when the motorcycle is stationary, use one of the following techniques to load and unload the transmission:

1. With the clutch disengaged (lever pulled inward), shift into neutral while rocking the motorcycle forward and rearward.
2. With the transmission in first gear, gently release the clutch until it just begins to engage. Apply upward pressure on the toe lever and quickly pull the clutch inward.

NOTICE

There is a Neutral indicator light on the instrument cluster.

SHIFTING GEARS WHILE DRIVING

1. Start the engine. See page 112.
2. With the engine at idle speed, apply the front brakes.
3. Disengage the clutch (pull the clutch lever fully toward the handlebar).
4. Push the toe lever downward until you feel it stop in first gear.
5. Release the brake lever.
6. Simultaneously release the clutch lever while opening the throttle (rolling the throttle control grip rearward) in one smooth motion. As the clutch begins to engage, the motorcycle will move forward.
7. To shift to a higher gear, accelerate smoothly to the recommended shift point. See *Recommended Shift Points* chart on page 116. With a quick motion, simultaneously close the throttle completely and disengage the clutch. Raise the toe shift lever until you feel it stop at the next gear. Simultaneously release the clutch lever and open the throttle in one smooth motion.

NOTICE

Within the recommended speed ranges (see *Recommended Shift Points* chart on page 116), you can downshift to slow the motorcycle or to increase power. You may want to downshift when climbing a hill or passing. Downshifting also helps to decrease speed when combined with closing the throttle.

OPERATION

8. To shift to a lower gear (downshift), simultaneously pull the clutch lever toward the handlebar and close the throttle. Move the toe shift lever downward until you feel it stop at the next gear. Simultaneously release the clutch lever while opening the throttle.



WARNING

Downshifting improperly could cause transmission damage, loss of traction and loss of control, which could result in serious injury or death.

- Reduce speed before downshifting. Always downshift within the recommended shift points.
- Use extreme caution when downshifting on wet, slippery or other low traction surfaces. Release the clutch lever very gradually in these conditions.
- Avoid downshifting in a curve. Downshift before entering the curve.

RECOMMENDED SHIFT POINTS

UPSHIFTING (ACCELERATING)

GEAR CHANGE	RECOMMENDED SPEED
1 to 2	15 mph (24 km/h)
2 to 3	25 mph (40 km/h)
3 to 4	35 mph (56 km/h)
4 to 5	45 mph (72 km/h)
5 to 6	50 mph (80 km/h)

DOWNSHIFTING (DECELERATING)

GEAR CHANGE	RECOMMENDED SPEED
6 to 5	40 mph (64 km/h)
5 to 4	35 mph (56 km/h)
4 to 3	25 mph (40 km/h)
3 to 2	15 mph (24 km/h)
2 to 1	10 mph (16 km/h)

BRAKING

Always allow sufficient stopping distance so that brakes can be applied gradually.

NOTICE

Applying slightly more front brake than rear brake generally provides the best braking performance.

1. To slow the motorcycle with the brakes, close the throttle and apply both the front and rear brakes gradually.

NOTICE

If the anti-lock brakes engage during a braking event, the rider will feel pulsing at the brake levers. Continue to apply steady pressure to the brakes for the best stopping performance.

2. As the motorcycle slows, disengage the clutch, or downshift each time vehicle speed reaches a downshift point.

WARNING

Braking improperly could result in loss of control, which could result in serious injury or death. Avoid braking abruptly. Always apply the brakes gradually, especially on wet, slippery or other low traction surfaces. Avoid braking in a curve or turn. Bring the motorcycle to the upright position before applying the brakes.

ACCELERATING

Accelerate by opening the throttle (rolling the throttle control grip rearward). For even acceleration, open the throttle with a smooth, continuous motion. When you reach the recommended speed for upshifting, shift up one gear.

WARNING

Accelerating abruptly could cause your body to shift rearward suddenly, which could result in loss of control. Accelerating abruptly could also cause loss of control on low traction surfaces. Loss of control could result in serious injury or death. Always accelerate gradually, especially on wet, slippery or other low traction surfaces.

STOPPING THE ENGINE

Before stopping the engine, bring the motorcycle to a complete stop. Shift to neutral or disengage the clutch.

WARNING

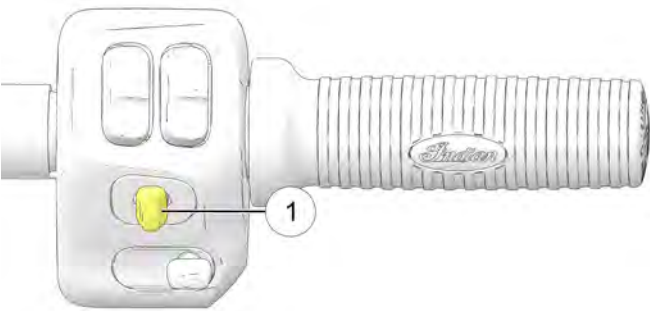
Stopping the engine with the transmission in gear while the motorcycle is moving could cause loss of rear wheel traction or engine and transmission damage, which could cause loss of control and serious injury or death. Always stop the engine after the motorcycle is fully stopped and the transmission is in neutral. If the engine stops unexpectedly while the motorcycle is moving, disengage the clutch, guide the motorcycle to a safe location off the road and away from traffic. Turn the power switch off.

OPERATION

1. Move the engine stop/run switch to the STOP position.
2. When the engine is fully stopped, turn the power switch off.

USING CRUISE CONTROL

The cruise control switches are located on the right handlebar. Read this section and understand how to safely operate this feature before using the cruise control.



Cruise control can be activated and adjusted from the right control using the Cruise Control Switch ①.

Toggle Position	Function
Left	Set/Decelerate
Center	Off/On
Right	Resume/Accelerate

WARNING

Improper operation of cruise control could cause loss of control and result in serious injury or death. Follow all cruise operation procedures carefully. Never use cruise control when roads are wet or slippery. Do not use cruise control when riding in heavy or congested traffic.

CRUISE CONTROL TIPS

- Cruise control can be set in gears 3-6.
- Vehicle speed must be above 20 mph (32 km/h).
- Set speed will vary slightly in hilly terrain.
- Cruise control will not resume a pre-set speed if the resulting acceleration or deceleration rate is too high or too low. For example, resuming a set speed of 70 mph (113 km/h) from 40 mph (64 km/h), while in 6th gear, may cause cruise to disengage.
- Cruise control will not engage if brake lights are not operating properly.
- The clutch or either brake must have been activated at least once since the engine was started for the cruise control to function.

SET SPEED

1. Press and release the center of the cruise control switch ①. The amber cruise control indicator will illuminate in the instrument cluster. Cruise control is enabled, but not set.
2. Accelerate to the desired speed and press left on the cruise control switch to activate cruise control. The green cruise control indicator lamp will illuminate. Cruise control is set to the desired speed.

RESUME SPEED

After disengaging the cruise control with the brake, throttle or clutch, press right on the cruise control switch to return to the set speed.

ACCELERATE

While cruise control is engaged, tap right on the cruise control switch to increase speed in approximately 1 mph (1–2 km/h) increments. Press and hold the right on the cruise control switch to accelerate to a new set speed (resets when switch is released).

NOTICE

If you use the throttle to accelerate and then release it, the cruise control will resume the previously set speed.

DECELERATE

While cruise control is engaged, tap and release left on the cruise control switch to decrease speed in approximately 1 mph (1–2 km/h) increments. Press and hold left on the cruise control switch to decelerate to a new set speed (resets when switch is released), or to the minimum cruise speed of 20 mph (32 km/h).

CANCEL CRUISE CONTROL

To temporarily cancel the cruise control and allow use of the resume feature:

- Apply the brakes, or
- Pull the clutch lever in, or
- Roll the throttle grip forward past the idle position

To cancel the cruise control and erase the set speed from memory, press the cruise on/off switch.

PARKING

Choose a firm level surface to park the motorcycle.

1. When fully stopped, shift into neutral.
2. Stop the engine.
3. Fully extend the sidestand.
4. Turn the handlebars to the left and lean the motorcycle to the left until the sidestand firmly supports the motorcycle.
5. Turn the power switch off and ensure the run/stop switch on the right-hand control is in the *off* position.

PARKING ON A SLOPE

If parking on a slope is unavoidable, park with the front wheel uphill from the rear wheel. Place the transmission in first gear and position the motorcycle so that it is stable when it rests on the sidestand.

PARKING ON A SOFT SURFACE

If parking on a soft surface is unavoidable, place a sidestand footrest under the foot of the sidestand to provide a firm surface. The sidestand footrest must be strong enough and large enough to support the motorcycle's weight without sinking into the parking surface.

Asphalt becomes soft in hot weather. A sidestand can sink into soft asphalt and the motorcycle may fall. When parking on asphalt in hot weather, use a sidestand footrest.



CAUTION

Hot engine and exhaust components can cause burns to skin and can ignite a fire if exposed to flammable materials. Always park the motorcycle clear of flammable materials and where people are not likely to contact hot components.

MAINTENANCE REPLACEMENT PARTS

Any replacement part that is equivalent in performance and durability may be used in the performance of any maintenance or repairs. However, INDIAN MOTORCYCLE is not liable for these parts. The owner is responsible for the performance of all required maintenance. Such maintenance may be performed at a service establishment or by any individual. The warranty period begins on the date the motorcycle is delivered to an ultimate purchaser.

INDIAN MOTORCYCLE

2100 Highway 55

Medina, MN 55340

ATTN: Warranty Department

SAFETY DURING SERVICE PROCEDURES



Failure to follow all recommended precautions and procedures could result in serious injury or death. Always heed all safety precautions and follow all operation, inspection and maintenance procedures outlined in this manual.

- Improperly installed or adjusted components can make the motorcycle unstable or hard to handle. Improperly installed electrical components can cause engine or electrical system failure. In either event, damage or serious injury could result. If you do not have the time, tools and expertise necessary to complete a procedure properly, please see your dealer for service.
- Review the safety-related maintenance information in the Safety Maintenance section.
- Before beginning any maintenance procedure, read the instructions for the entire procedure.
- Always position the motorcycle on a firm level surface before performing service. Make sure the motorcycle will not tip or fall while elevated or while on the sidestand. See the Elevating the Vehicle section for details.
- Wear eye and face protection when using pressurized air.
- Hot engine and exhaust components can cause burns to skin and can ignite a fire if exposed to flammable materials. Always park the motorcycle clear of flammable materials and where people are not likely to contact hot components.
- Allow the vehicle to cool before performing any maintenance on the cooling system. Failure to do so could result in burns to skin.
- Never start the engine or let it run in an enclosed area. Engine exhaust fumes are poisonous and can cause loss of consciousness or death in a short time.
- During some procedures you may use potentially hazardous products such as coolant, oil, or brake fluid. Always follow the instructions and warnings on the product packaging.

ROAD TESTS

Before returning the motorcycle to regular use after performing service, road test it in a safe environment. Pay special attention to the proper fit and operation of all serviced components. Make any corrections or additional adjustments necessary to ensure safe vehicle performance.

MAJOR MAINTENANCE

Major repairs typically require technical skills and specially designed tools. Emission system service requires special tools and training and should be performed by your dealer. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer or other qualified dealer.

BREAK-IN MAINTENANCE

Perform the break-in maintenance procedures when the motorcycle's odometer registers 500 miles (800 km). Please see your authorized dealer for this service.

Performing the break-in maintenance will help ensure optimum engine performance for the entire service life of the engine. Your dealer will change engine oil, inspect all fluids and serviceable components, ensure that all fasteners are tightened and make other adjustments as needed.

PERIODIC MAINTENANCE

Inspect, clean, lubricate, adjust and replace parts as necessary. When inspection reveals the need for replacement parts, use genuine INDIAN MOTORCYCLE parts available from your dealer. Record service and maintenance information on page 229.

NOTICE

Use of non-recommended lubricants and components can result in damage to the motorcycle. Damage resulting from the use of non-recommended products is not covered by warranty.

Perform maintenance at the specified intervals. *Vehicles subjected to severe use must be inspected and serviced more frequently.*

SEVERE USE DEFINITION

- high speed operation for extended periods
- low speed operation for extended periods
- operation in dusty or otherwise adverse conditions
- operation in cold weather (temperatures below freezing)
- operation at max RPM for extended periods
- operation at minimum RPM with high load (lugging)
- operation with extreme load or weight

MAINTENANCE

MAINTENANCE INTERVALS

The maintenance interval charts outline required maintenance and inspection based on vehicle miles. Each table states the number of miles that service is required on the vehicle. Some items or components may need to be serviced more often due to severe use. When the vehicle goes beyond 50,000 miles (80,000 km), return to the 500 miles (800 km) chart and start the interval process over.

KEY

XU - Perform these procedures more often for vehicles subjected to severe use.

D - Have an authorized Indian Motorcycle dealer perform these services.

E - Emission Control System Service (California / International)

500 MILES (800 KM) SERVICE

ITEM		REMARKS
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
	Coolant Level	Inspect; add recommended coolant as directed
D	Drive Belt	Inspect; tighten, clean, adjust
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found.

ITEM		REMARKS
D	Engine Mount Fasteners	Inspect; tighten, adjust
XU	Engine Oil & Filter Change	Change oil and filter, inspect used oil for contaminants
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary. Check and re-torque all sealed exhaust joints
D	Fuel System	Inspect; clean
	Key Fob Battery	Replace at specified interval or every 2 years
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary
	Battery	Check terminals; clean
D	Brake Fluid	Change every two years (DOT 4)
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit
D	Clutch Lever	Lubricate with proper lubricant as directed
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Clutch Pinion Shaft Clevis	Inspect; lubricate with proper lubricants as directed

ITEM		REMARKS
D	Clutch Cable Ends	Inspect; lubricate with proper lubricant as directed
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Adjust if necessary, lubricate with proper lubricant as directed
D	Front Fork Oil	Inspect; replace at specified interval or every 2 years
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary
D	Head Light	Inspect; adjust if necessary
D	Rear Brake Pedal	Inspect; adjust if necessary
D	Rear Shock Absorber	Inspect; adjust if necessary
D	Rear Wheel Alignment	Inspect; adjust if necessary
	Road Test	Perform Road Test
D	Sidestand	Lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect

ITEM		REMARKS
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

MAINTENANCE

2,500 MILES (4,000 KM) SERVICE

ITEM		REMARKS
XU	Air Filter	Inspect; replace if necessary
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
	Coolant Level	Inspect; add recommended coolant as directed
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found.
D	Drive Belt	Inspect; tighten, clean, adjust
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary
D	Fuel System	Inspect; clean
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary
	Battery	Check terminals; clean
D	Brake Fluid	Change every two years (DOT 4)
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit

ITEM		REMARKS
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Inspect; adjust if necessary, lubricate with proper lubricant as directed
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary
D	Head Light	Inspect; adjust if necessary
D	Rear Brake Pedal	Inspect; adjust if necessary
D	Rear Shock Absorber	Inspect; adjust if necessary
D	Rear Wheel Alignment	Inspect; adjust if necessary
	Road Test	Perform Road Test
D	Sidestand	Inspect; adjust if necessary, lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

5,000 MILES (8,000 KM) SERVICE

ITEM		REMARKS
XU	Air Filter	Inspect; replace if necessary
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
	Coolant Level	Inspect; add recommended coolant as directed
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found.
D	Drive Belt	Inspect; tighten, clean, adjust
XU	Engine Oil & Filter Change	Change oil and filter, inspect used oil for contaminants
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary
D	Fuel System	Inspect; clean
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary
	Battery	Check terminals; clean
D	Brake Fluid	Change every two years (DOT 4)

ITEM		REMARKS
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit
D	Clutch Lever	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Clutch Pinion Shaft Clevis	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Ends	Inspect; lubricate with proper lubricant as directed
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Adjust if necessary, lubricate with proper lubricant as directed
D	Front Fork Oil	Inspect; replace at specified interval or every 2 years
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Rear Brake Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Rear Shock Absorber	Inspect; adjust if necessary
D	Rear Wheel Alignment	Inspect; adjust if necessary

MAINTENANCE

ITEM		REMARKS
	Road Test	Perform Road Test
D	Sidestand	Inspect; adjust if necessary, lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

10,000 MILES (16,000 KM) SERVICE

ITEM		REMARKS
XU	Air Filter	Replace
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
	Coolant Level	Inspect; add recommended coolant as directed
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found
D	Drive Belt	Inspect; tighten, clean, adjust
D	Engine Compression	Inspect; correct if necessary
XU	Engine Oil & Filter Change	Change oil and filter, inspect used oil for contaminants
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary. Check and re-torque all sealed exhaust joints
D	Fuel System	Inspect; clean
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary

ITEM		REMARKS
	Battery	Check terminals; clean
D	Brake Fluid	Replace (DOT 4)
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit
D	Clutch Lever	Lubricate with proper lubricant as directed
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Clutch Pinion Shaft Clevis	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Ends	Lubricate with proper lubricant as directed
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Adjust if necessary, lubricate with proper lubricant as directed
D	Front Fork Oil	Inspect; replace at specified interval or every 2 years
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Gear Position Switch	Inspect; clean
D	Head Light	Inspect; adjust if necessary

ITEM		REMARKS
D	Rear Brake Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Rear Shock Absorber	Inspect; adjust if necessary
D	Rear Wheel Alignment	Inspect; adjust if necessary
	Road Test	Perform Road Test
D	Sidestand	Lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

MAINTENANCE

15,000 MILES (24,000 KM) SERVICE

ITEM		REMARKS
XU	Air Filter	Inspect; replace if necessary
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
	Coolant Level	Inspect; add recommended coolant as directed
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found.
D	Drive Belt	Inspect; tighten, clean, adjust
XU	Engine Oil & Filter Change	Change oil and filter, inspect used oil for contaminants
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary
D	Fuel System	Inspect; clean
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary
D / E	Spark Plugs	Inspect; torque to specification
	Battery	Check terminals; clean

ITEM		REMARKS
D	Brake Fluid	Change every two years (DOT 4)
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit
D	Clutch Lever	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Clutch Pinion Shaft Clevis	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Ends	Inspect; lubricate with proper lubricants as directed
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Adjust if necessary, lubricate with proper lubricant as directed
D	Front Fork Oil	Replace
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary; lubricate with proper lubricants as directed
D	Rear Brake Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Rear Shock Absorber	Inspect; adjust if necessary
D	Rear Wheel Alignment	Inspect; adjust if necessary

ITEM		REMARKS
	Road Test	Perform Road Test
D	Sidestand	Inspect; adjust if necessary, lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

20,000 MILES (32,000 KM) SERVICE

ITEM		REMARKS
XU	Air Filter	Replace
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
	Coolant Level	Inspect; add recommended coolant as directed
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found.
D	Drive Belt	Inspect; tighten, clean, adjust
D	Engine Compression	Inspect; correct if necessary
XU	Engine Oil & Filter Change	Change oil and filter, inspect used oil for contaminants
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary. Check and re-torque all sealed exhaust joints
D	Fuel System	Inspect; clean
	Key Fob Battery	Replace
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary

MAINTENANCE

ITEM		REMARKS
	Battery	Check terminals; clean
D	Brake Fluid	Replace (DOT 4)
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit
D	Clutch Lever	Lubricate with proper lubricant as directed
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Clutch Pinion Shaft Clevis	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Ends	Lubricate with proper lubricant as directed
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Adjust if necessary, lubricate with proper lubricant as directed
D	Front Fork Oil	Inspect; replace at specified interval or every 2 years
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary; lubricate with proper lubricants as directed
D	Gear Position Switch	Inspect; clean.
D	Head Light	Inspect; adjust if necessary

ITEM		REMARKS
D	Rear Brake Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Rear Shock Absorber	Inspect; adjust if necessary
D	Rear Wheel Alignment	Inspect; adjust if necessary
	Road Test	Perform Road Test
D	Sidestand	Lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

25,000 MILES (40,000 KM) SERVICE

ITEM		REMARKS
XU	Air Filter	Inspect; replace if necessary
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
	Coolant Level	Inspect; add recommended coolant as directed
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found.
D	Drive Belt	Inspect; tighten, clean, adjust
XU	Engine Oil & Filter Change	Change oil and filter, inspect used oil for contaminants
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary
D	Fuel System	Inspect; clean
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary
	Battery	Check terminals; clean
D	Brake Fluid	Change every two years (DOT 4)

ITEM		REMARKS
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit
D	Clutch Lever	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Clutch Pinion Shaft Clevis	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Ends	Inspect; lubricate with proper lubricants as directed
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Adjust if necessary, lubricate with proper lubricant as directed
D	Front Fork Oil	Inspect; replace at specified interval or every 2 years
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary; lubricate with proper lubricants as directed
D	Rear Brake Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Rear Shock Absorber	Inspect; adjust if necessary
D	Rear Wheel Alignment	Inspect; adjust if necessary

MAINTENANCE

ITEM		REMARKS
	Road Test	Perform Road Test
D	Sidestand	Inspect; adjust if necessary, lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

30,000 MILES (48,000 KM) SERVICE

ITEM		REMARKS
XU	Air Filter	Replace
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
	Coolant Level	Inspect; add recommended coolant as directed
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found.
D	Drive Belt	Replace
D	Engine Compression	Inspect; correct if necessary
XU	Engine Oil & Filter Change	Change oil and filter, inspect used oil for contaminants
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary. Check and re-torque all sealed exhaust joints
D	Fuel System	Inspect; clean
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary

ITEM		REMARKS
D / E	Spark Plugs	Inspect; torque to specification
	Battery	Check terminals; clean
D	Brake Fluid	Replace (DOT 4)
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit
D	Clutch Lever	Lubricate with proper lubricant as directed
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Clutch Pinion Shaft Clevis	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Ends	Lubricate with proper lubricant as directed
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Lubricate with proper lubricant as directed
D	Front Fork Oil	Replace
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary; lubricate with proper lubricants as directed
D	Gear Position Switch	Inspect; clean.
D	Head Light	Inspect; adjust if necessary

ITEM		REMARKS
D	Rear Brake Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Rear Shock Absorber	Inspect; adjust if necessary
D	Rear Wheel Alignment	Inspect; adjust if necessary
	Road Test	Perform Road Test
D	Sidestand	Lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

MAINTENANCE

35,000 MILES (52,000 KM) SERVICE

ITEM		REMARKS
XU	Air Filter	Inspect; replace if necessary
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
	Coolant Level	Inspect; add recommended coolant as directed
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found.
D	Drive Belt	Inspect; tighten, clean, adjust
XU	Engine Oil & Filter Change	Change oil and filter, inspect used oil for contaminants
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary
D	Fuel System	Replace filter
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary
	Battery	Check terminals; clean
D	Brake Fluid	Change every two years (DOT 4)

ITEM		REMARKS
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit
D	Clutch Lever	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Clutch Pinion Shaft Clevis	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Ends	Inspect; lubricate with proper lubricants as directed
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Adjust if necessary, lubricate with proper lubricant as directed
D	Front Fork Oil	Inspect; replace at specified interval or every 2 years
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary; lubricate with proper lubricants as directed
D	Rear Brake Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Rear Shock Absorber	Inspect; adjust if necessary
D	Rear Wheel Alignment	Inspect; adjust if necessary

ITEM		REMARKS
	Road Test	Perform Road Test
D	Sidestand	Lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

40,000 MILES (64,000 KM) SERVICE

ITEM		REMARKS
XU	Air Filter	Replace
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
	Coolant Level	Inspect; add recommended coolant as directed
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found.
D	Drive Belt	Inspect; tighten, clean, adjust
D	Engine Compression	Inspect; correct if necessary
XU	Engine Oil & Filter Change	Change oil and filter, inspect used oil for contaminants
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary. Check and re-torque all sealed exhaust joints
D	Fuel System	Inspect; clean
	Key Fob Battery	Replace
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary

MAINTENANCE

ITEM		REMARKS
	Battery	Check terminals; clean
D	Brake Fluid	Replace (DOT 4)
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit
D	Clutch Lever	Lubricate with proper lubricant as directed
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Clutch Pinion Shaft Clevis	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Ends	Lubricate with proper lubricant as directed
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Adjust if necessary, lubricate with proper lubricant as directed
D	Front Fork Oil	Inspect; replace at specified interval or every 2 years
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary; lubricate with proper lubricants as directed
D	Gear Position Switch	Inspect; clean.
D	Head Light	Inspect; adjust if necessary

ITEM		REMARKS
D	Rear Brake Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Rear Shock Absorber	Inspect; adjust if necessary
D	Rear Wheel Alignment	Inspect; adjust if necessary
	Road Test	Perform Road Test
D	Sidestand	Lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

45,000 MILES (72,000 KM) SERVICE

ITEM		REMARKS
XU	Air Filter	Inspect; replace if necessary
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
	Coolant Level	Inspect; add recommended coolant as directed
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found.
D	Drive Belt	Inspect; tighten, clean, adjust
XU	Engine Oil & Filter Change	Change oil and filter, inspect used oil for contaminants
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary
D	Fuel System	Inspect; clean
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary
D / E	Spark Plugs	Inspect; torque to specification
	Battery	Check terminals; clean

ITEM		REMARKS
D	Brake Fluid	Change every two years (DOT 4)
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit
D	Clutch Lever	Lubricate with proper lubricant as directed
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Clutch Pinion Shaft Clevis	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Ends	Inspect; lubricate with proper lubricant as directed
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Lubricate with proper lubricant as directed
D	Front Fork Oil	Inspect; replace at specified interval or every 2 years
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary; lubricate with proper lubricants as directed
D	Rear Brake Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Rear Shock Absorber	Inspect; adjust if necessary
D	Rear Wheel Alignment	Inspect; adjust if necessary

MAINTENANCE

ITEM		REMARKS
	Road Test	Perform Road Test
D	Sidestand	Lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

50,000 MILES (80,000 KM) SERVICE

ITEM		REMARKS
XU	Air Filter	Replace
D	Crankcase Ventilation System	Inspect; tighten, clean, adjust
D	Coolant	Drain, flush and refill
	Damper, Cushion Drive	Visual inspection for cracks or deformation is required whenever the rear wheel is removed. Replace if damage is found.
D	Drive Belt	Inspect; tighten, clean, adjust
D	Engine Compression	Inspect; correct if necessary
D	Engine Mount Fasteners	Inspect; tighten, adjust
XU	Engine Oil & Filter Change	Change oil and filter, inspect used oil for contaminants
E	Evaporative Emission Control System	Inspect; clean
E	Exhaust System	Inspect; adjust; correct; replace if necessary. Check and re-torque all sealed exhaust joints
D	Fuel System	Inspect; clean
D	Oil Lines / Oil System Inspection	Inspect; clean, adjust if necessary
	Battery	Check terminals; clean

ITEM		REMARKS
D	Brake Fluid	Replace (DOT 4)
XU / D	Brake Pads	Inspect pad wear; replace if worn beyond service limit
D	Clutch Lever	Lubricate with proper lubricant as directed
D	Clutch Cable Freeplay	Inspect; adjust if necessary
D	Clutch Pinion Shaft Clevis	Inspect; lubricate with proper lubricants as directed
D	Clutch Cable Ends	Lubricate with proper lubricant as directed
D	Fasteners	Inspect; tighten if necessary
D	Front Brake Lever	Adjust if necessary, lubricate with proper lubricant as directed
D	Front Fork Oil	Inspect; replace at specified interval or every 2 years
D	Front Forks and Front Axle	Inspect; adjust if necessary
D	Gear Shift Pedal	Inspect; adjust if necessary; lubricate with proper lubricants as directed
D	Gear Position Switch	Inspect; clean.
D	Head Light	Inspect; adjust if necessary

ITEM		REMARKS
D	Rear Brake Pedal	Inspect; adjust if necessary; lubricate with proper lubricant as directed
D	Rear Shock Absorber	Replace
D	Rear Wheel Alignment	Inspect; adjust if necessary
	Road Test	Perform Road Test
D	Sidestand	Lubricate with proper lubricant as directed
D	Steering Bearings	Inspect
D	Suspension Linkage, Rear	Inspect
D	Swing Arm and Rear Axle	Inspect
D	Tires / Wheels	Inspect tread depth, sidewall cracking, wear patterns

When the vehicle goes beyond 50,000 miles, return to the 500 mile chart and start the interval process over.

MAINTENANCE

ENGINE OIL/FILTER CHANGE

Change the engine oil at the intervals specified in the Periodic Maintenance Table. Change the oil more frequently if the motorcycle is subjected to severe use, especially operation in cold weather. See page 123.

NOTICE

Failure to perform frequent oil changes during cold weather operation can result in condensation forming. Freezing condensation can result in plugged oil lines and serious engine damage.

The total amount of oil required for the oil and filter change is approximately 5 qt (4.7 L). Follow all instructions carefully. Do not overfill.

NOTICE

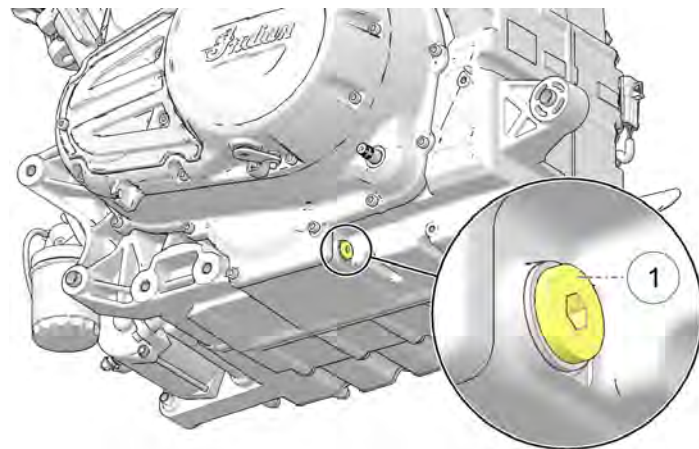
After an oil change, the low oil pressure indicator may illuminate when the engine is started. If this occurs, do not increase RPM above idle speed until the indicator turns off. Operating above idle speed could result in damage to the engine.

1. Change the oil and filter when the engine is warm. If the engine is cold, start the engine and allow it to run at idle for at least 5 minutes.
2. Park the motorcycle with the sidestand down on a firm, level surface. If using a service lift, the motorcycle should be centered.

3. Clean the area around the drain plug ①. Place a drain pan under drain plug.

CAUTION

Hot oil can cause burns to skin. Do not allow hot oil to contact skin.



4. Remove the drain plug. Allow the oil to drain completely.

NOTICE

Remove sidestand bumper bracket for improved clearance to drain plug.

5. Install new sealing washer and o-ring on the drain plug. The sealing surfaces on drain plug and engine should be clean and free of burrs, nicks or scratches.
6. Reinstall the drain plug. Torque to Specification. If sidestand bumper bracket was removed, reinstall. Torque fastener to specification.

TORQUE

Drain Plug:
15 ft-lbs (20 N·m)
 Bracket fastener:
84 in-lbs (9.5 N·m)



CAUTION

Hot oil can cause burns to skin. Do not allow hot oil to contact skin. Wear leather gloves when handling hot components.

7. Place oil pan beneath the oil filter. Using an oil filter wrench, turn the filter counter-clockwise to remove it.
8. Using a clean dry cloth, clean the filter sealing surface on the engine.
9. Lubricate the o-ring on the new filter with a film of fresh engine oil. Check to make sure the o-ring is in good condition.
10. Install the new filter and rotate it clockwise by hand until the filter gasket contacts the sealing surface, then turn it an additional 3/4 to one full turn.

11. Remove the dipstick. Add only 4 qt (3.8 L) of the recommended oil at this step. *Do not overfill.*
12. Reinstall the dipstick securely.
13. With the motorcycle in an upright, centered position, start the engine and idle for approximately 30 seconds.
14. Stop the engine and add an additional 1 qt (0.95 L) of engine oil. Do not overfill. Overfilling can result in loss of engine performance and an oil-saturated air filter. Use a suction device to remove excess oil if overfilled.
15. To ensure the oil level is within the safe operating range, re-check the oil level as outlined in page 102.

NOTICE

After an oil change, the low oil pressure indicator may illuminate when the engine is started. If this occurs, do not increase RPM above idle speed until the indicator turns off. Operating above idle speed could result in damage to the engine. See page 53 for more information.

16. Dispose of used filter and oil properly.
17. Reset the oil change life in the instrument gauge. See page 62.

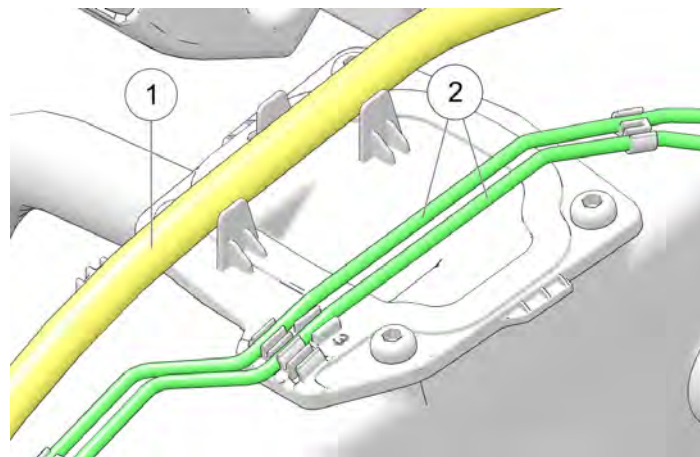
AIR FILTER

NOTICE

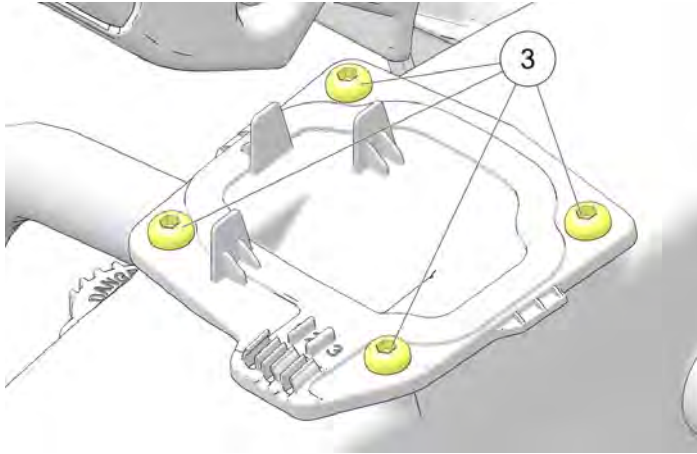
If the motorcycle is operated in wet or dusty conditions, more frequent servicing is required.

Replace the air filter if it becomes contaminated with oil.
The air filter element cannot be cleaned. Replace the filter when necessary.

1. Remove Fuel Tank. See page 158.
2. Remove the zip-ties from harness retention as well as the the brake line retention clips. Remove the wiring harness ① and the brake lines ② from airbox filter cover retention features.



3. Remove the airbox filter cover fasteners ③ and remove from the unit.



4. Installation of new filter is performed by reversing the removal procedure.

TORQUE

Airbox Filter Cover Fastener:
84 in-lbs (10 N·m)

COOLING SYSTEM

The engine coolant level is controlled by the recovery system. Recovery system components are the recovery bottle, the radiator filler neck, the radiator pressure cap and the connecting line.

As coolant operating temperature increases, the expanding (heated) excess coolant is forced out of the engine, past the pressure cap, and into the recovery bottle. As engine coolant temperature decreases the contracting (cooled) coolant is drawn back up from the bottle, past the pressure cap, and into the radiator.

Some coolant level drop on new vehicles is normal as the system is purging itself of trapped air. Check the coolant level and maintain as recommended by adding coolant to the recovery bottle. See page 213 for engine coolant recommendations.

To ensure that the coolant maintains its ability to protect the engine, we recommend that the system be completely drained every five (5) years or 50,000 miles, whichever comes first. Please see your dealer for this service.



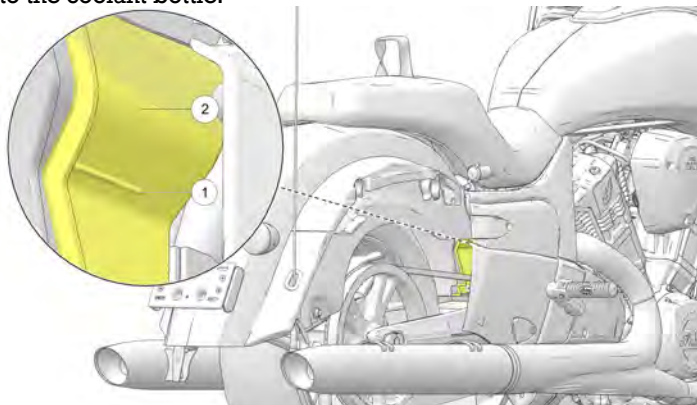
Allow the vehicle to cool before performing any maintenance on the cooling system. Failure to do so could result in burns to skin.

MAINTENANCE

COOLANT LEVEL INSPECTION

The Coolant Overflow bottle is located under the driver seat. The level can be viewed without the need to disassemble any components.

1. Remove right-hand saddlebags. See page 89.
2. Using an assistant to hold the motorcycle vertically (not on the side stand). Sight underneath the fender, above the drive belt to the coolant bottle.

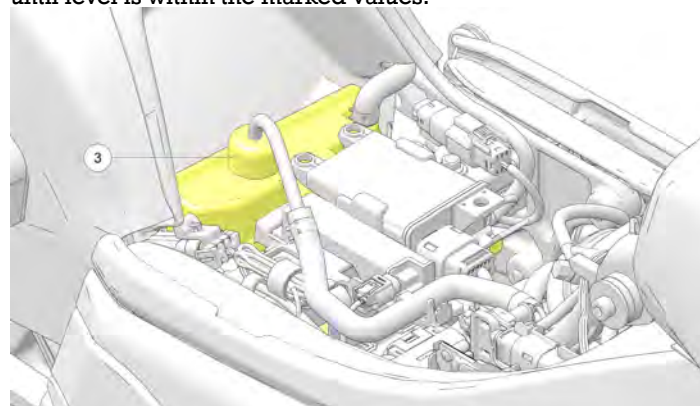


3. Ensure coolant level is above the minimum line ① and below the frame strut ②.
4. If the coolant level is below the bottom line, coolant will need to be added to the system.

ADDING COOLANT

To add coolant, do the following:

1. Remove the seat and rubber lid. See page 176.
2. Remove the overflow bottle cap ③ to add coolant. Add coolant until level is within the marked values.



NOTICE

The rubber hose and formed nylon line can be left connected while performing this procedure.

IMPORTANT

Do not fill the coolant bottle to full. 0.3 L of air must remain in the bottle to account for thermal expansion. Failure to do so can result in coolant overflow.

REAR DRIVE BELT CLEANING

NOTICE

Do not inspect or adjust drive belt tension when the belt or drive system is wet or hot. This will result in improper adjustment.

Cleaning the drive belt will maximize belt and sprocket life and minimize drive line noise. Clean the belt at every tire change. Clean the belt more often if riding in dirty, dusty or high debris environments.

1. Mix a few drops of mild dish soap with a cup of warm water.
2. Use a soft nylon brush to clean the belt and sprocket teeth with the soapy water. Clean well in corner areas where road debris and belt dust can collect.
3. Rinse the belt with clear water, then dry thoroughly.

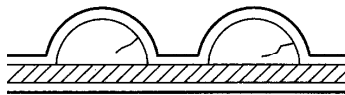
REAR DRIVE BELT CONDITION

Inspect the rear drive belt at the intervals specified in the Periodic Maintenance table. Replace the drive belt if it is cracked or has broken teeth. No matter its condition, the drive belt should be replaced at periodic intervals. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.

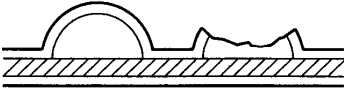
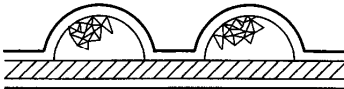
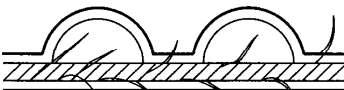
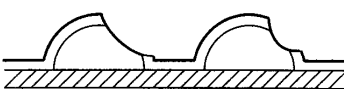
DO NOT attempt to check belt tension if the belt has been exposed to rain or washing within a 24 hour period or if the vehicle has been run at operating temperature within the last four hours. Allow the vehicle to cool down to ambient temperature before measuring belt tension.

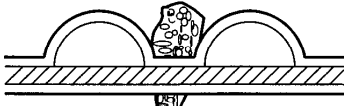
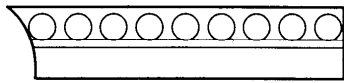
Replace the drive belt and both sprockets as a set if the drive belt has over 5,000 miles (8,000 km) of service at the time of damage or failure. Otherwise each could be replaced individually.

REAR DRIVE BELT WEAR ANALYSIS

WEAR ANALYSIS	BELT CONDITION
Internal tooth cracks (hairline): OK to run, but monitor condition	
External tooth cracks: Replace belt	

MAINTENANCE

WEAR ANALYSIS	BELT CONDITION
Missing teeth: Replace belt	
Chipping (not serious): OK to run, but monitor condition	
Fuzzy edge cord: OK to run, but monitor condition	
Hook wear: Replace belt	

WEAR ANALYSIS	BELT CONDITION
Stone damage: Replace belt if damage is on edge	
Bevel wear (outboard edge only): OK to run, but monitor condition	

DRIVE BELT ADJUSTMENT

IMPORTANT

Drive belt adjustments should be performed by an authorized Indian dealer, or an equivalent technician.

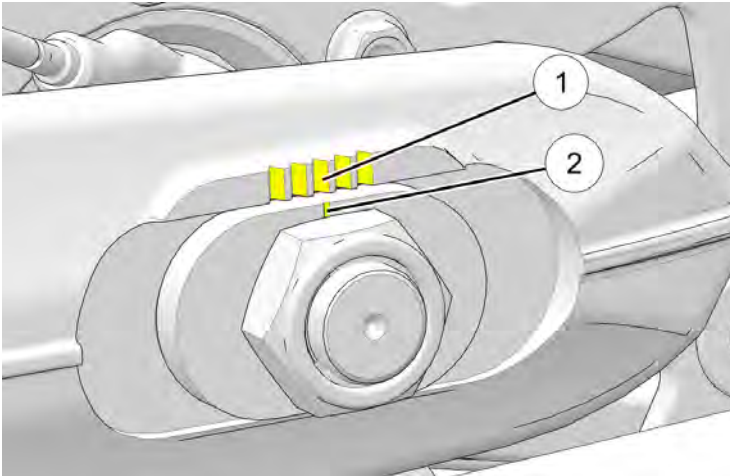
IMPORTANT

Perform this procedure to achieve proper belt tension *and* alignment. Belt tension should be set before performing the alignment procedure.

BELT TENSION

WARNING

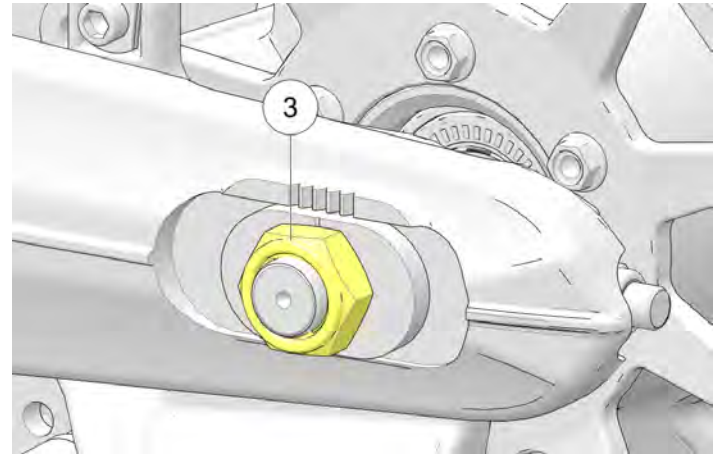
A drive belt that is not properly tensioned can cause drive line noise and damage the drive belt, causing possible belt failure and loss of control of the motorcycle.



NOTICE

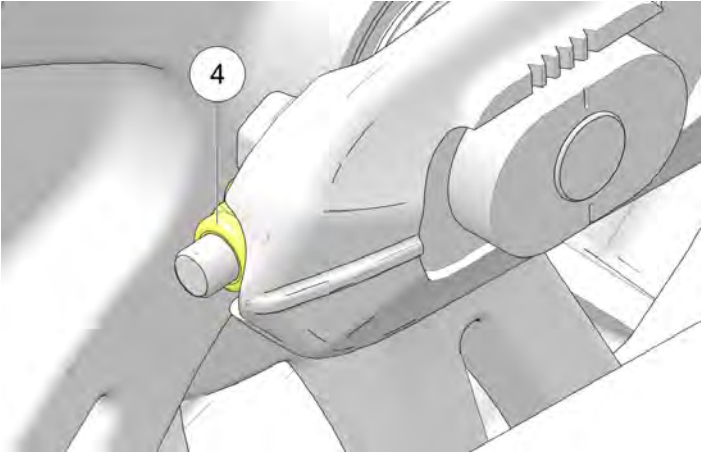
Marks ① and ② are used as a reference for initial wheel alignment. Marks should be in roughly the same position on both left and right sides of wheel.

1. Place the motorcycle in an upright position with the front wheel clamped in a wheel vise.
2. Remove saddlebags.
3. Make note of adjuster locations ① and ②.
4. Raise the rear of the motorcycle so the rear tire can be freely rotated.
5. Loosen axle nut ③.



MAINTENANCE

6. Turn the RIGHT SIDE adjuster nut ④ to achieve proper belt tension



BELT DEFLECTION	
Model	Deflection @ 10 lbs force
Challenger	0.6 in (15 mm) - New Belt 0.79 in (20 mm) - Belt with 1000+ miles

BELT ALIGNMENT



WARNING

A drive belt that is not properly aligned can cause drive line noise and damage the drive belt, causing possible belt failure and loss of control of the motorcycle.

Once the belt tension is correct, check and adjust final wheel alignment as follows:

NOTICE

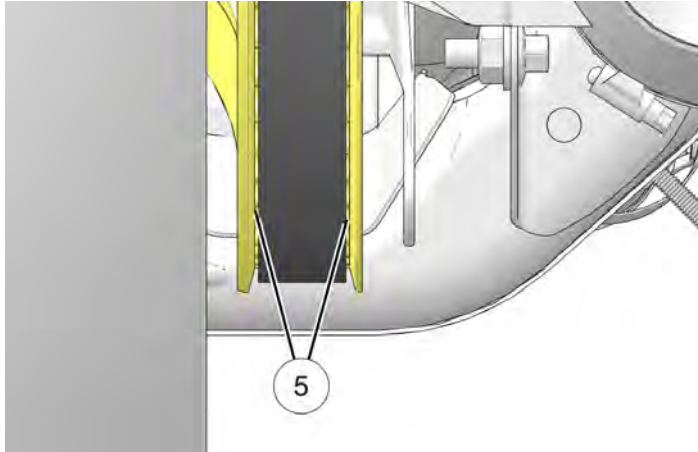
To minimize change in belt tension, use LEFT SIDE adjuster only to make final adjustments to belt alignment.

1. Rotate the wheel BACKWARD. Tighten LEFT SIDE adjuster until belt comes off inside sprocket flange during backward wheel rotation.

IMPORTANT

The belt should track to the center of the sprocket tooth surface when properly aligned ⑤. Sprocket teeth should be visible on both sides of the drive belt.

2. Rotate the wheel in the FORWARD direction and verify that sprocket teeth are still visible on both sides of the drive belt ⑤.



3. If necessary, loosen the axle nut and LEFT SIDE adjuster until belt just moves off the right flange and begins to track down the center of the driven sprocket flange during forward wheel rotation.

NOTICE

It may be necessary to loosen the axle nut and tap the left end of the axle to ensure it moves forward when the adjuster is loosened. The axle nut must be retightened to the ADJUSTMENT SPECIFICATION before proceeding.

4. Rear wheel alignment is satisfactory when the drive belt remains centered on driven sprocket during forward and backward wheel rotation. Sprocket teeth should be visible from both sides of the drive belt.
5. Verify that drive belt tension is still within specification.
6. Tighten rear axle nut to specification.

TORQUE

Axle Nut Torque:
65 ft-lbs (88 N·m)

7. Pump rear brake pedal several times to reset brake pad distance.
8. Verify wheel rotates smoothly and freely without drag when brake pedal is released.

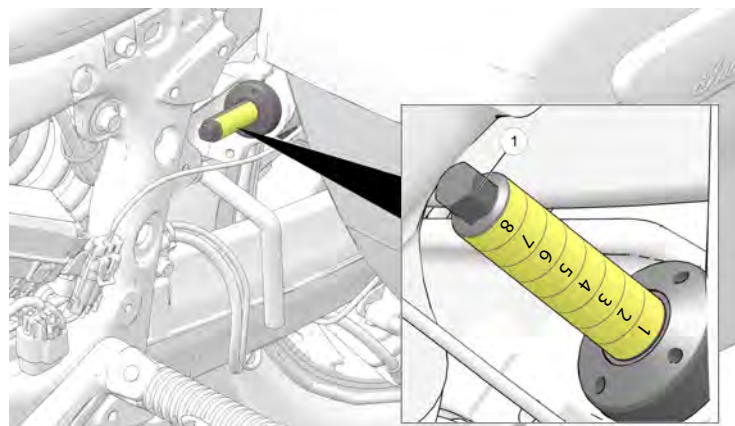
SHOCK PRELOAD ADJUSTMENT

NOTICE

This procedure is for motorcycles with manual preload suspensions only.

To adjust the shock preload, perform the following procedure:

1. Remove left-hand side cover. See page 175.
2. Look up suspension setting for the specific loading according to chart (decal applied to the inside of the left-hand upper body panel).
3. Use the 10 mm speed wrench and extension provided in the tool kit to set adjuster to proper setting ①.



NOTICE

The numbers are biased towards the line which they represent.

SHOCK: HYDRAULIC ADJUSTMENT SETTING

Total Cargo + Riders (lbs)	No Trunk Settings	Painted Trunk Settings	
150	1	3	CAUTION: DO NOT USE IMPACT TOOLS OR EXCEED 10 FT-LBS OF TORQUE WHEN ADJUSTING. DAMAGE TO COMPO- NENTS MAY OCCUR.
175	1	3	
200	2	3	
225	2	4	
250	2	4	
275	3	5	
300	3	5	
325	3	6	
350	4	6	
375	4	7	
400	4	7	
425	4	8	
450	5	8	
475	5	N/A	
500	5	N/A	

SWING ARM/REAR AXLE INSPECTION

1. Sit in the operator's seat and slowly bounce the rear suspension a few times. Make sure the suspension moves freely without binding. Listen for abnormal noises.
2. Elevate and support the motorcycle with the rear tire slightly off the floor. See page 187.

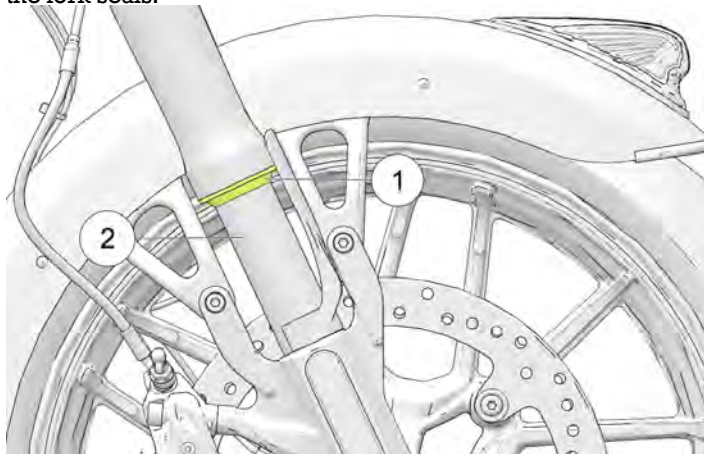

CAUTION

Make sure the motorcycle is stable when elevated. Injury may occur if the motorcycle tips or falls.

3. Grasp the rear wheel and attempt to move the wheel side-to-side. If there is movement at the front of the swingarm or in the axle area, see your dealer for service.
4. With the transmission in neutral, slowly rotate the rear wheel. If the wheel does not rotate smoothly, see your dealer for service.

FRONT FORK/SUSPENSION INSPECTION

1. Place the motorcycle on the sidestand and inspect the front forks. If fork oil is present on the outer tube, *do not ride the motorcycle*. See your dealer for service before operating. If fork oil is present around the fork seals ① or inner tubes ②, replace the fork seals.



2. Clean the fork tubes to remove bugs, tar or buildup which may cause seal wear or leakage. Inspect the outer surfaces of the inner fork tubes for scratches or damage from foreign objects.

3. Straddle the motorcycle and bring it to the fully upright position. Apply the front brake and push downward (hard) on the handlebars several times. The front suspension should operate smoothly and quietly.
4. Fork oil condition and level affects front suspension performance and internal component wear. Replace fork oil at the recommended intervals. Special tools are required to perform this procedure. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.

STEERING HEAD INSPECTION

1. Elevate and support the motorcycle with the front tire slightly off the floor. See the Elevating the Motorcycle section for details.

CAUTION

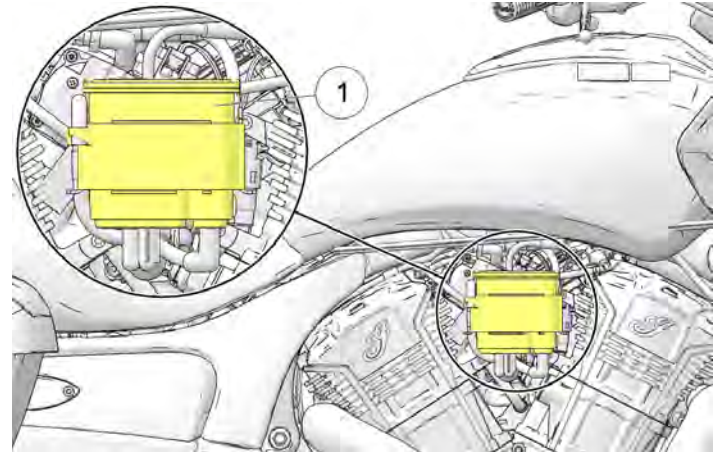
Make sure the motorcycle is stable when elevated. Injury may occur if the motorcycle tips or falls.

2. Turn the handlebars from stop to stop. The action should be smooth but not loose. Make sure wires, hoses and control cables do not interfere with smooth steering.
3. Position the front wheel straight ahead. Grasp the front forks near the front axle and attempt to move the wheel front-to-back. If there is front-to-back movement at the steering head, see your dealer for service.

4. If steering binds, feels rough or uneven, or if movement is detected at the steering stem, see your dealer for service.
5. Rotate the front wheel and inspect for smooth rotation of front wheel bearings. If roughness or unusual sounds are present, see your dealer for service.
6. Turn handlebars full right or left and hold against the fork stop. Attempt to move front wheel side-to-side. If movement is observed, see your dealer for service.

EVAPORATIVE EMISSION CONTROL SYSTEM (CALIFORNIA AND INTERNATIONAL MODELS)

1. Inspect all evaporative emission control system hoses and connections. Make sure all connections are tightly connected.
2. The carbon canister ① is located under the right-hand V-cover. Make sure it is securely installed to the mounting bracket.

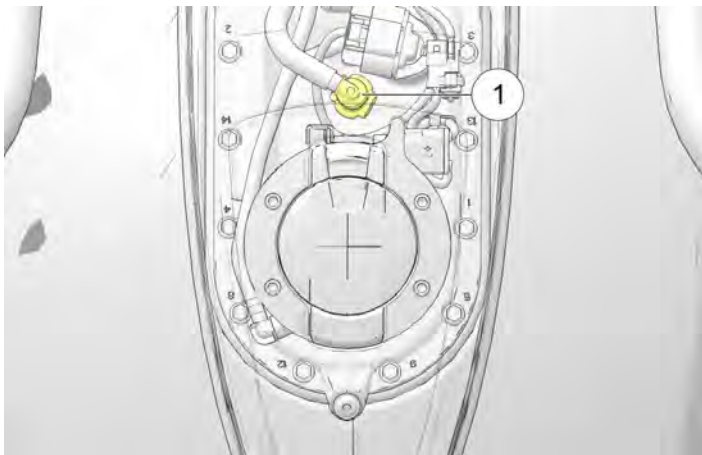


3. Inspect connections at the carbon canister to be sure they are secure. The vent line coming from the tank should be connected to the port marked "TANK," the purge line should be connected to the port marked "PURGE," and the Atmospheric vent line should be connected to the port marked "AIR."

MAINTENANCE

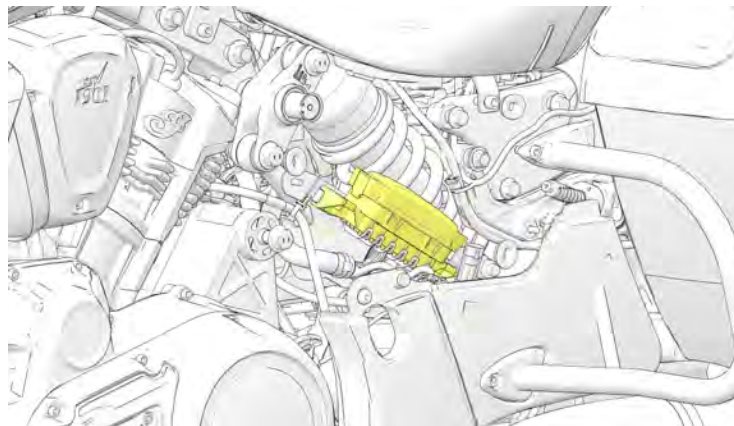
FUEL SYSTEM COMPONENTS

1. Inspect fuel hoses for cracks or damage.
2. Inspect hose connections at the fuel tank ① and at the fuel rail for dampness or stains from leaks. The tank connection for the fuel line is under the tank console.
3. The fuel system is under pressure and caution must be used when inspecting and servicing the fuel system. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.

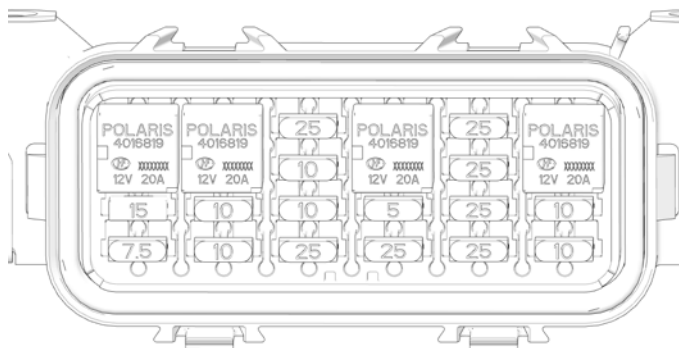


FUEL SYSTEM DEPRESSURIZATION

1. Remove seat. See page 176.
2. Locate the fuse box under the left hand sidecover and remove its cover.



3. Locate the fuel pump relay. Pull the fuel pump relay and crank the engine over for 5 seconds to release fuel pressure.
4. With the motorcycle powered off, install the fuel pump relay. Install the fuse box cover.



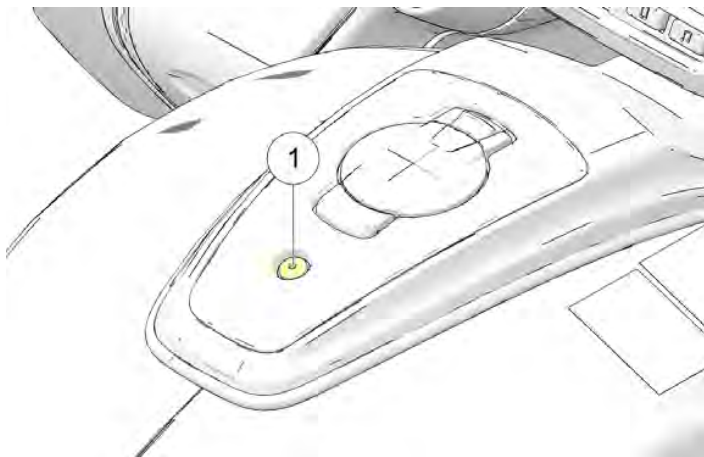
MAIN ENGINE RELAY 4016819	START RELAY 4016819	25A VCM1 401653 10A SPARE 2434016	FUEL PUMP RELAY 4016819	25A ABS 401653 25A AUDIO1 401653	SWITCHED PWR RLY 4016819 718485
15A EFI1 2410290	10A EFI2 2434016	10A TENDER 2434016	5A GAUGE 401652	25A SPARE 401653	10A SWITCHED1 2434016
7.5A IGN 401068	10A WCM 2434016	25A VCM2 401653	25A VCM3 401653	25A AUDIO2 401653	10A SWITCHED2 2434016

FUEL TANK REMOVAL / INSTALLATION

WARNING

Allow engine and exhaust to cool completely before disconnecting fuel line or removing tank. Protect fuel tank finish when removing, storing, and installing tank.

1. Depressurize fuel system. See page 156.
2. Remove the console by unscrewing fastener at back of console ①.

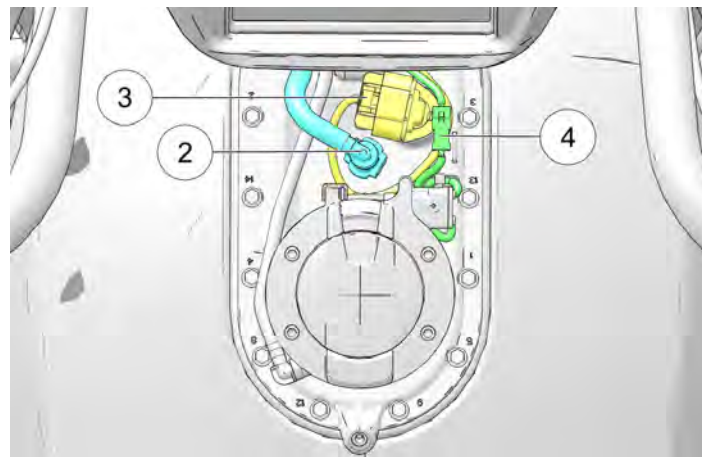


3. With fastener removed, lift the rear of console enough to clear fuel cap and push forward to release front mount from keyway.
4. Lift console up and out, away from the fuel tank, to complete removal.

STOP!

Do not use anything other than fingers to remove the quick connection. The use of tools can damage the connection.

5. Remove fuel quick connect ② by wrapping a clean rag around the connector and squeezing both of the release buttons (one on each side of the fitting) and gently slide fitting straight off fuel rail.

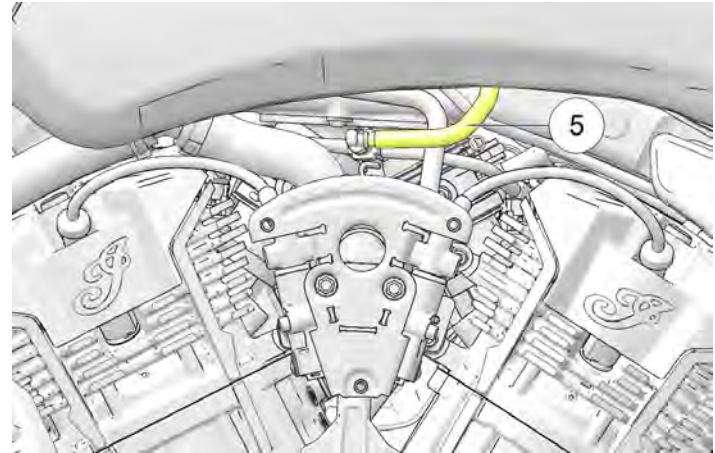


6. Unplug electrical connector from fuel pump ③.
7. Unplug electrical connector from fuel cap, and remove electrical harness ④.
8. Remove the left-hand v-cover by removing its fasteners.

STOP!

Do not use anything other than fingers to remove the quick connection. The use of tools can damage the connection.

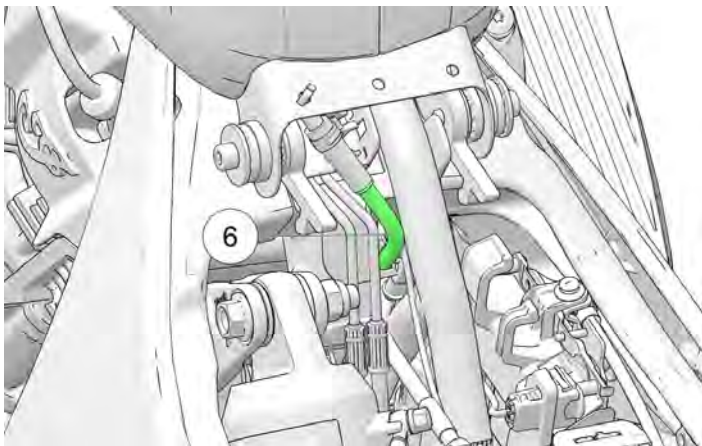
9. Disconnect fuel line at fuel rail ⑤ by wrapping a clean rag around the connector and squeezing both of the release buttons (one on each side of the fitting) and gently slide fitting straight off fuel rail. Cover fuel fitting to keep debris out.



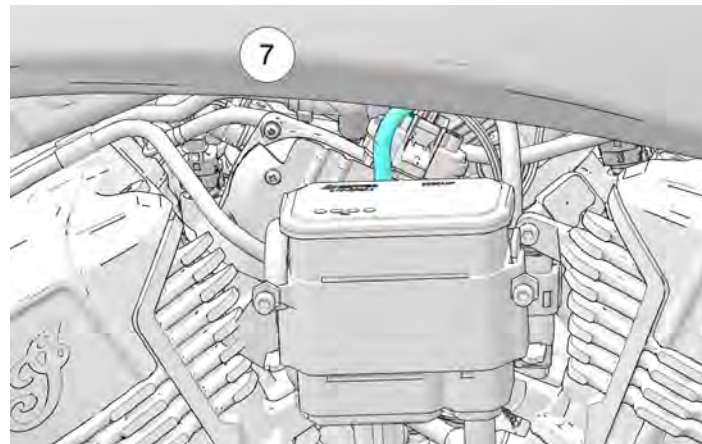
10. Remove the seat. See page 176.

MAINTENANCE

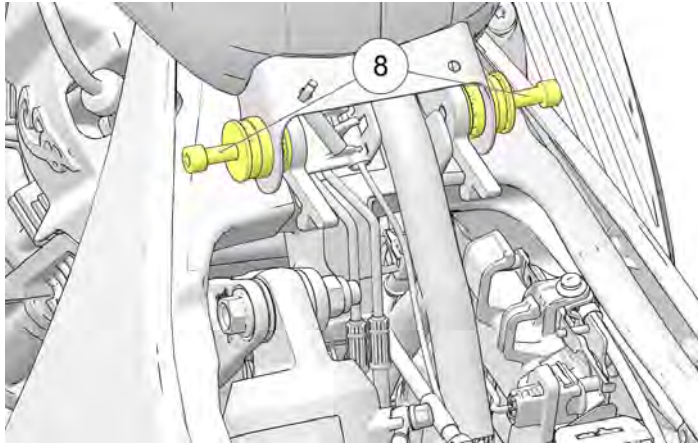
11. At rear of tank, disconnect the fuel vent line ⑥.



12. On models equipped with an EVAP system, disconnect the EVAP vent line located above the EVAP canister on the right hand side of the fuel tank ⑦.



13. Remove fuel tank fasteners ⑧.



14. Lift rear of tank upward and pull rearward to remove. Place the fuel tank in a secure location with a drain pan to catch any fuel than may leak or drip from disconnected hoses or fittings.

INSTALLATION

Installation is the reverse of the removal procedure. Verify no fuel leaks or kinks are present around the fuel line connectors or fuel pump seal area.

TORQUE

Fuel Tank Fastener:
18 ft-lbs (24 N·m)

IMPORTANT

Verify fuel supply line is properly seated and locked in place by listening for audible "click" when pressing into place. Pull gently on quick connector once seated to ensure a proper connection has been made. **IF THE FUEL LINE FAILS TO CLICK, OR FAILS THE PULL PORTION OF THE TEST ABOVE, REPLACE THE FUEL LINE.**

THROTTLE CONTROL INSPECTION

1. With the engine OFF, rotate the throttle control grip fully open and then release it. It should rotate smoothly from the rest position to the completely open position. It should return to the rest position quickly when released.
2. Service the throttle system if throttle operation is not smooth or if throttle grip does not return properly. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.

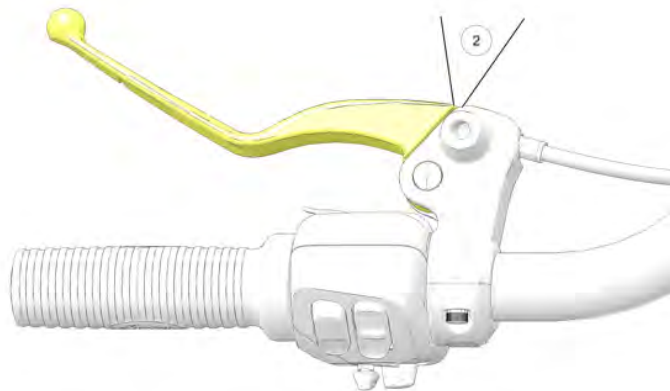


SIDESTAND LUBRICATION

Periodically lubricate the sidestand bushing. See page 107 for sidestand inspections.

MECHANICAL CLUTCH LEVER FREEPLAY

1. Position the handlebars in the straight-ahead position before measuring clutch lever freeplay.
2. The clutch cable adjuster nut is located on the bottom of the clutch cover on the engine. Loosen the lock nut.
3. Turn the cable adjuster nut inward or outward until clutch lever freeplay ② is 0.5-1.5 mm as measured at the clutch perch. See Mechanical Clutch section for more information.



4. While holding the cable, tighten the adjuster lock nut securely.

TORQUE

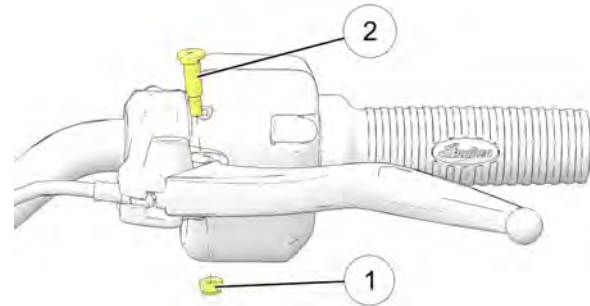
Adjuster Lock Nut
48.7 in-lbs (5.5 N·m)

5. Verify that the safety switch activates properly. The engine should not start in gear with the clutch lever released. Never test the clutch safety switch by attempting to start the motorcycle in gear unless the rear wheel is raised off the ground.

NOTICE

The starter interlock switch is dependent on the clutch lever freeplay being set correctly to ensure activation of the clutch safety switch.

MECHANICAL CLUTCH LEVER LUBRICATION



1. The clutch cable adjuster nut is located on the bottom of the clutch cover on the engine. Loosen the lock nut.
2. Turn the cable adjuster nut completely inward to provide maximum lever freeplay.
3. Remove the nut ① and pin ②. Disconnect the clutch cable from the clutch lever.

MAINTENANCE

4. Remove any old grease and dirt from the lever and housing. Lubricate the clutch lever and pin with all-purpose grease.

NOTICE

During installation of the lever, be aware of the internal clutch switch. Improper assembly can cause damage to the switch.

5. Reconnect the clutch cable. Reinstall the lever pin and nut.

TORQUE

Nut:
48.7 in-lbs (5.5 N·m)

6. Adjust clutch lever freeplay. See page 162.
7. Tighten the adjuster nut to specification.

TORQUE

Adjuster Nut:
48.7 in-lbs (5.5 N·m)

MECHANICAL CLUTCH CABLE LUBRICATION

Lubricate clutch cable barrel ends and pinion arm pivot joint at the intervals recommended in the Periodic Maintenance table.

NOTICE

External casings are factory-lubricated. Additional lubrication could be detrimental to cable performance.

Verify proper routing and smooth movement. Inspect for damage to the external casing, and inspect exposed cable wire for fraying, kinks or corrosion. Replace any damaged, sticky or sluggish cable.

1. Disconnect the cable at the clutch lever and at the primary cover.
2. Lubricate the barrel ends and the pivot joint of the pinion arm with all-purpose grease.
3. Reconnect the cable and adjust freeplay as needed.

BRAKE HOSES/CONNECTIONS

Inspect all brake hoses and connections for dampness or stains from leaking or dried fluid. Tighten any leaking connections and replace components as necessary. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.

REAR BRAKE PEDAL

1. Lubricate the pivot bushing at the intervals recommended in the Periodic Maintenance Table. Also lubricate any time binding is evident. Use all-purpose grease.
2. Inspect brake pads as outlined in the Brake Pads section.

BRAKE FLUID PRECAUTIONS

WARNING

Using the wrong fluid or allowing air or contaminants into the fluid system can damage the system seals or result in a malfunction that could lead to serious injury or death. Use only DOT 4 brake fluid from a sealed container.

Do not operate the front brake with the reservoir cover removed. Fluid could overflow from the reservoir and allow air to enter the system. Air in the brake system could cause the brakes to malfunction.

An over-full reservoir may cause brake drag or brake lock-up, which could result in serious injury or death. Maintain brake fluid at the recommended level. Do not overfill.

NOTICE

Brake fluid will damage painted surfaces and plastic parts. Always clean spilled brake fluid immediately with water and a mild detergent.

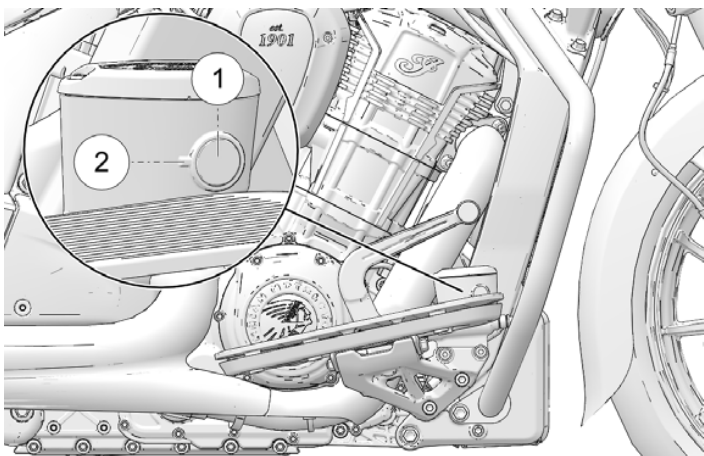
REAR BRAKE FLUID

Change the brake fluid at the intervals recommended in the Periodic Maintenance Chart. Do not attempt to change the anti-lock brake system fluid; your authorized dealer can assist. Always add brake fluid from a new, unopened container. Always use the recommended fluid. See page 214.

1. Position the motorcycle on level ground in the fully upright position.
2. The rear brake fluid reservoir is located near the rear brake pedal. View the reservoir from the right side of the vehicle.
3. Wipe the fluid container and the area around the reservoir cover with a clean cloth.
4. If the fluid level is low, inspect brake pads as outlined on page 169. If pads are not worn beyond the service limit, inspect the brake system for leaks.

MAINTENANCE

5. Remove the cover, diaphragm plate, and diaphragm. The fluid level should be above the minimum indicator mark ② near the sight glass ①. Add brake fluid as needed. *Do not overfill.*



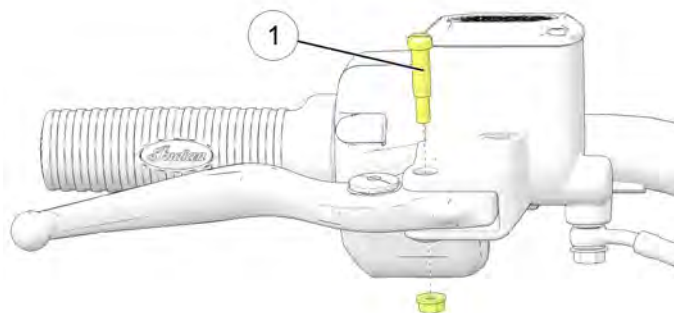
6. Reinstall the cover, diaphragm plate, and diaphragm. If the diaphragm is extended, return it to its neutral (flattened) position.

TORQUE
Cover Screw 13.3 in-lbs (1.5 N·m)

7. Wipe away any fluid spills. Check for signs of brake fluid leaks around hoses, fittings, reservoir, and brake calipers.

FRONT BRAKE LEVER

1. Lubricate the pivot pin ① and brake lever hinge points at the intervals recommended in the Periodic Maintenance Table. Also lubricate any time binding is evident. Use all-purpose grease.



2. Inspect brake pads as outlined on page 169.

TORQUE

Pivot Pin:

8.85 in-lbs (1 N·m)

Pivot Pin Nut:

53 in-lbs (6 N·m)

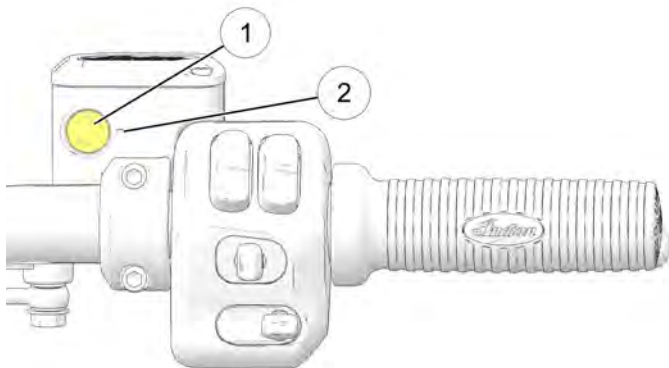
FRONT BRAKE FLUID

Change the brake fluid at the intervals recommended in the Periodic Maintenance Table. Do not attempt to change the anti-lock brake system fluid. Please see your dealer for this service. Always add brake fluid from a new, unopened container. Always use the recommended fluid. See page 214.

1. Position the motorcycle on level ground in the fully upright position. Position the handlebars so that the fluid reservoir is level. Wipe the fluid container and the area around the reservoir cover with a clean cloth.
2. If the fluid level is low, inspect brake pads as outlined on page 169. If pads are not worn beyond the service limit, inspect the brake system for leaks.
3. To add fluid, remove the reservoir cover screws. Remove the cover, diaphragm plate, and diaphragm.

MAINTENANCE

4. The fluid level should be above the minimum indicator mark ② near the sight glass ①. Add brake fluid as needed. *Do not overfill.*



5. Reinstall the diaphragm plate, diaphragm, cover and screws. If the diaphragm is extended, return it to its neutral (flattened) position.

TORQUE

Reservoir Cover Screws:
13 in-lbs (1.5 N·m)

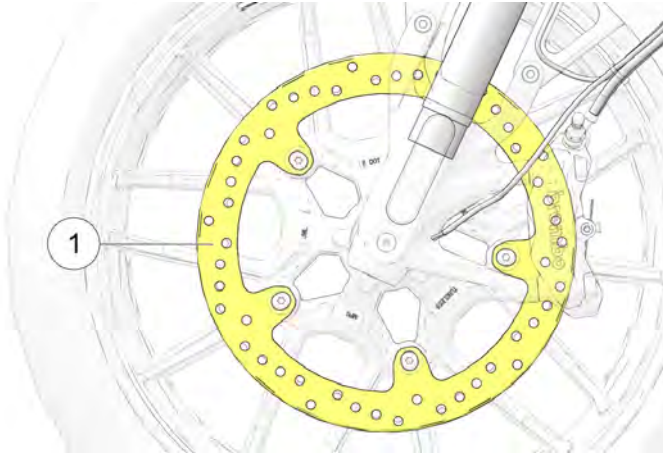
6. Wipe away any fluid spills. Check for signs of brake fluid leaks around hoses, fittings, reservoir and brake calipers. Check for deterioration of hoses.

BRAKE DISC INSPECTION/CLEANING

⚠ CAUTION

Allow brake components to cool before inspecting or performing maintenance. Failure to do so can result in burns to skin.

1. Inspect brake discs ① for nicks, scratches, cracks or other damage. Inspect the thickness of each brake disc at four or more locations around the disc. If any disc is worn to the minimum thickness at the thinnest point, or if a disc is damaged, see your dealer for replacement.



2. Clean discs if minor squeaks develop due to dirt or dust. Apply brake cleaner to a clean shop towel and wipe the discs. DO NOT allow brake cleaner to contact painted or plastic parts. Read all precautions on the label.

NOTICE

Front Brake Disc Minimum Thickness:

4.5 mm

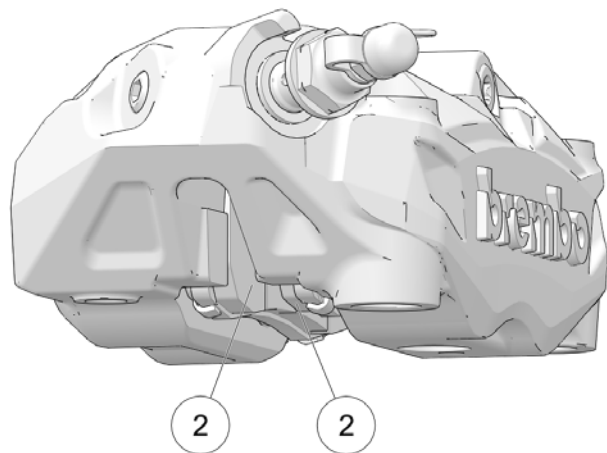
Rear Brake Disc Minimum Thickness:

6.5 mm

BRAKE PADS

NOTICE

With new pads and rotors, brake performance will be less effective. Avoid using brakes harshly, unless in an emergency, to allow pads to mate with rotors. Brake efficiency will gradually increase during this seating period.



FRONT BRAKE PAD INSPECTION

1. Position the motorcycle on the sidestand with the handlebars turned to the left.
2. Use an inspection mirror, positioned at the front side of the caliper, to view the friction material.

Inspect each front brake pad on both sides of the front discs. Inspect each rear brake pad on both sides of the rear disc. Replace brake pads when the thinnest point of the friction material ② has worn to 1.0 mm. Please see your dealer for this service.

When checking brake pad friction material thickness, check each brake caliper for dampness or stains from leaking or dried brake fluid. If inspection reveals signs of fluid leakage, do not operate the vehicle. See your dealer for service.

REAR BRAKE PAD INSPECTION

1. Position the motorcycle on the sidestand with the handlebars turned to the left.
2. Use an inspection mirror, positioned at the front side of the caliper, to view the friction material.

WHEEL INSPECTION

Inspect both wheels for cracks or damage and replace damaged wheels promptly. Do not operate the motorcycle if wheels are damaged or cracked. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.

WHEEL ALIGNMENT

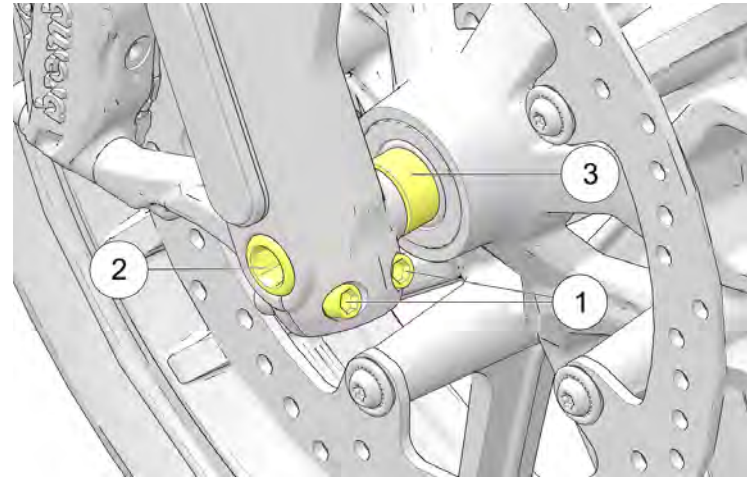
Inspect rear wheel alignment at regular service intervals, whenever the rear wheel is removed and when the rear drive belt is adjusted. Please see your dealer for this service.

FRONT WHEEL INSTALLATION

If the front wheel is removed for any reason, it must be reinstalled in the correct rotating direction.

Clean all wheel components before installation. Apply a light coat of all-purpose grease to the axle and both spacers ③.

Torque axle bolt before torquing pinch bolt.



TORQUE

- ① Pinch Bolt:
18–19 ft-lbs (24.4–25.7 N·m)
- ② Axle Bolt:
52 ft-lbs (70 N·m)

TIRES

WARNING

Operating the motorcycle with incorrect tires, incorrect tire pressure or excessively worn tires could cause loss of control or accident. Under-inflation can cause a tire to overheat and result in a tire failure. Always use the correct size and type of tires specified by INDIAN MOTORCYCLE for your vehicle. Always maintain proper tire pressure as recommended in the rider's manual and on safety labels.

TIRE REPLACEMENT

NOTICE

On models equipped with a TPMS, the sensors are located 180° from the valve stem. Use caution when servicing tires. To avoid damaging a sensor, break the bead at the valve stem, then at 90° and 270° from the valve stem as required.

Tires, rims, innertubes and air valves must be correctly matched to wheel rims. Use only the proper size tires specified with the same or higher load ratings. INDIAN MOTORCYCLE-recommended tires provide proper clearance between fenders, swingarm, drive belts and other components. See the Specifications chapter.

On models equipped with innertubes, innertubes **MUST** be replaced with new innertubes when tires are replaced. Use only the proper size innertubes.

WARNING

Mismatched tires, rims and air valves may result in damage to the tire bead during mounting or may allow the tire to slip off the rim, possibly resulting in tire failure.

TIRE CONDITION

Inspect the tire sidewalls, road contact surface, and tread base for cuts, punctures, and cracking. Replace damaged tires immediately. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.

TIRE TREAD DEPTH

Replace any tire with a tread depth of less than 1/16 in (1.6 mm).

Tread wear indicators are located in at least six places on the tread circumference and become visible at a tread depth of approximately 1/16 in (1.6 mm). The tread wear indicators appear as a solid band across the tread.

You may also use a depth gauge or an accurate ruler to measure the depth of the center tire tread on both front and rear tires.

TIRE PRESSURE

Always check and adjust tire pressure when tires are cold. Do not adjust tire pressure immediately after riding. Wait at least 3 hours after riding to check pressure. If pressure checked and adjusted while tires are warm, the pressure will drop as tires cool and result in under inflation. Adjust tire pressure as recommended for the total weight of your intended load (see tire pressure chart). For more information, refer to the manufacturing information label located on the front frame down tube or the tire pressure chart located in the left hand saddlebag.

⚠ WARNING

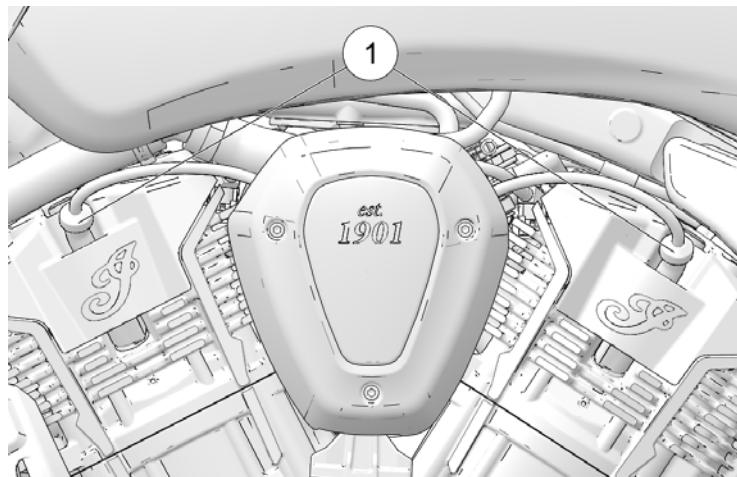
Do not exceed the maximum recommended inflation pressure to seat the bead. Tire or rim failure may result.

TIRE PRESSURE CHART

LOCATION	SIZE	BRAND/- TYPE	RECOMMENDED PRESSURE
Front	130/60B19 66H	Metzeler® Cruisetec®	36 psi (248 kPa)
Rear	180/60R16 80H (I)	Metzeler® Cruisetec®	41 psi (283 kPa)

SPARK PLUGS

Inspect spark plugs ① after the break-in period and every 15,000 miles (24,000 km) thereafter. Replace spark plugs every 70,000 miles (112,000 km). Always replace spark plugs in pairs.



SPARK PLUG SPECIFICATIONS

Spark Plug Type	NGK® LZMAR8AI-10
Spark Plug Gap	0.039 in (1.0 mm)
Spark Plug Torque	7.4 ft-lbs (10 N·m)

MAINTENANCE

1. Make sure the engine has cooled to room temperature.
2. Turn the power switch off.
3. Pull upward on the spark plug boots (not the wires) to remove the boots.
4. To prevent debris from entering the spark plug holes, use compressed air to clean the area around the plugs before removing them.

Tool: 14 mm plug socket



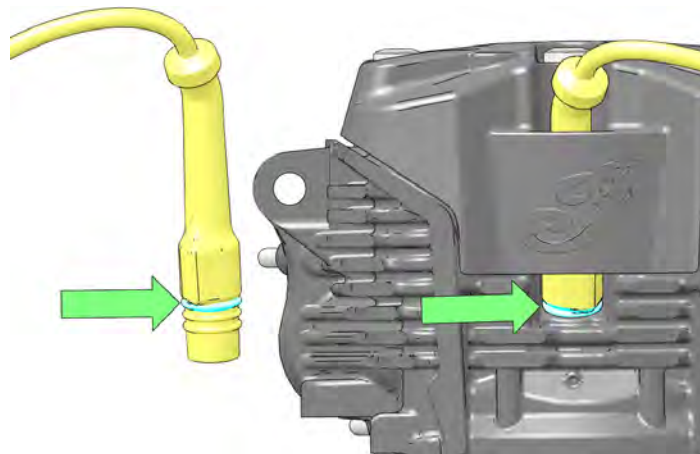
CAUTION

Wear eye and face protection when using pressurized air.

5. Reinstall the spark plugs or install new plugs.
6. Reinstall the spark plug boots.

IMPORTANT

The spark plug boot is fully seated when the third rib on the boot is level with the spark plug hole as shown.



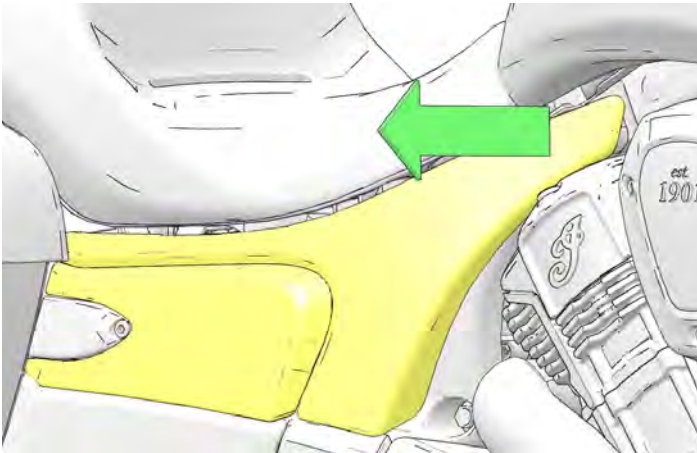
SIDE COVERS

Remove the left side cover to access the shock fitting, fuse box, and diagnostic connector.

Remove both side cover to access the seat mounting fasteners and the electrical connections for the saddlebags.

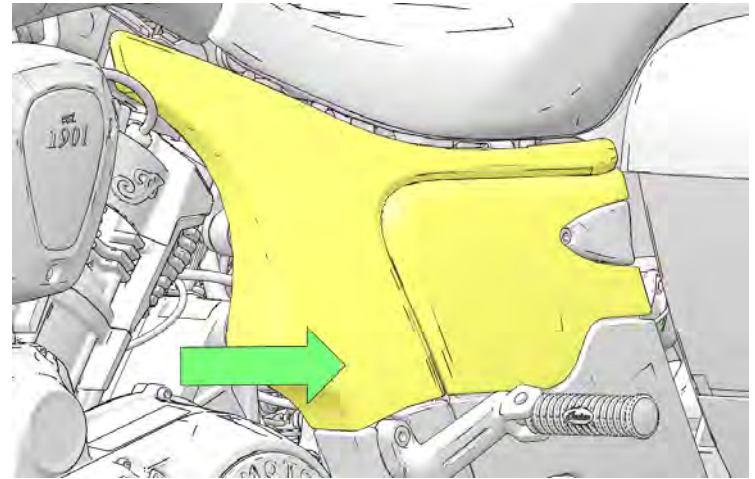
RIGHT SIDE COVER REMOVAL

1. Gently grasp front edge of right side cover and pull away from vehicle to release three grommet pins. Use caution to prevent damage to painted surfaces.



LEFT SIDE COVER REMOVAL

1. Gently grasp front lower corner left side cover and pull away from vehicle to release three grommet pins. Use caution to prevent damage to painted surfaces.

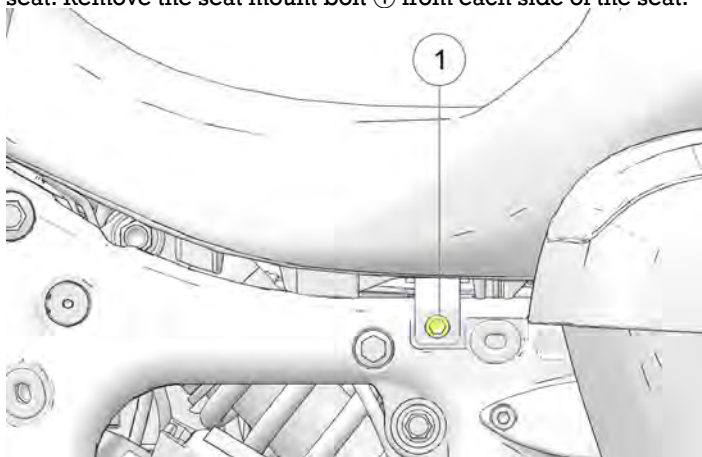


MAINTENANCE

SEAT REMOVAL

Remove the seat to access the battery.

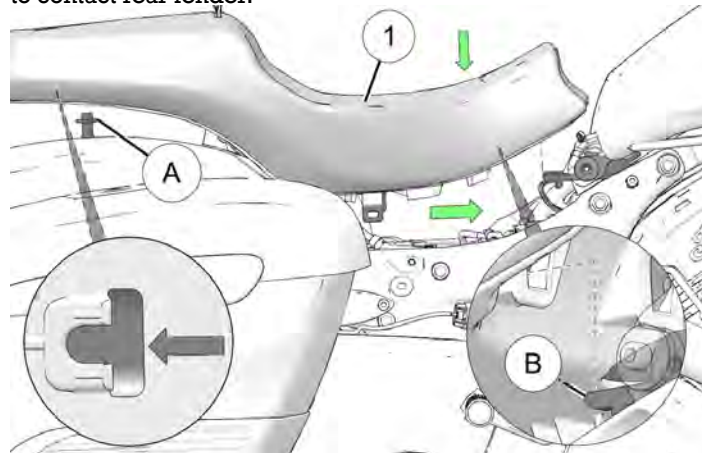
1. Remove the upper side panels.
2. Locate the seat mount brackets under the edge of the driver's seat. Remove the seat mount bolt ① from each side of the seat.



3. Pull the seat rearward to disengage mounting tabs of the seat from the frame mount. Do not allow the seat mount brackets to contact the rear fender.

SEAT INSTALLATION

1. To install new seat ① on motorcycle, insert hat bushing ① into slot under rear of seat and slide seat forward, ensuring that tabs ② engage slots on new seat. Do not allow seat mount brackets to contact rear fender.



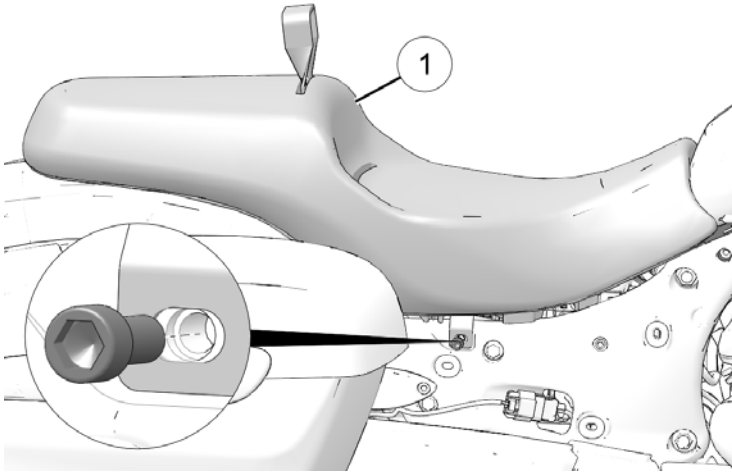
2. Pull straight up on front of seat to ensure a secure fitting.
3. Move seat ① until tabs align with hole in frame as shown and reinstall retained screws. Torque screws to specification.

TORQUE

Seat Mount Bracket Screws:
18 ft-lbs (24 N·m)

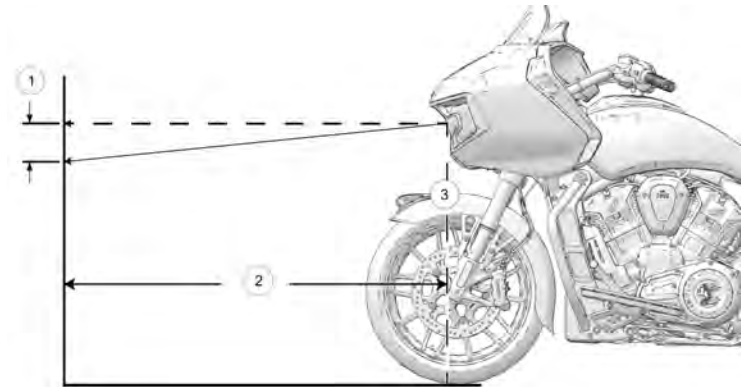
HEADLIGHT AIM INSPECTION

NUMBER	DESCRIPTION
①	Measure Distance = 4 in (10.2 cm) (to the top cutoff of the low beam)
②	Measure Distance = 32 ft 10 in (10.0 m)
③	Headlight Center



⚠ WARNING

Seat must be properly installed for safe operation of motorcycle. Failure to ensure proper installation may lead to loss of control and result in serious injury or death.



NOTICE

Adjust headlight aim when there is a change in load (rider, cargo, accessories, etc.) or after suspension adjustment.

MAINTENANCE

1. Verify that the tire pressures are at specification.
2. Verify that rear suspension ride height (preload) is at specification.
3. Position the motorcycle on a level surface with the headlight 32 ft 10 in (10.0 m) from a wall.
4. With the operator and passenger (if applicable) on board, bring the motorcycle to the fully upright position.

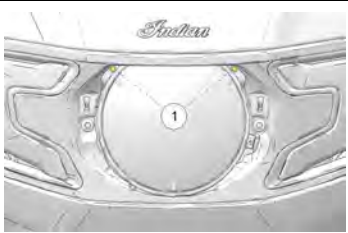
Horizontal Adjustment:

5. Start the engine and switch the headlight to high beam. Observe the headlight aim on the wall.
6. Make any necessary adjustments to center the brightest portion of the high beam straight ahead.

Vertical Adjustment:

7. Switch the headlight to low beam. Observe the headlight aim on the wall.
8. Make any necessary adjustments to headlight aim per the diagram table.

HEADLIGHT AIM ADJUSTMENT

Challenger and Pursuit Models	Chieftain PowerPlus and Roadmaster PowerPlus Models
	

The headlamp adjustment screws ① are located inside the headlamp housing.

1. Remove the headlight bezel by prying down at the top center to release the retention detent. Then pull forward from the top to release the side retention clips.
2. To adjust the headlamp vertically, tighten both top adjustment screws equally to adjust the beam upward. Loosen both screws equally to adjust the beam downward.

Tool: M4 hex wrench or universal tool

3. To adjust the headlamp horizontally, while facing the headlight, loosen the left side screw to adjust the beam to the left. Loosen the right side screw to adjust the beam to the right.

LED TAILLIGHT/BRAKE LIGHT REPLACEMENT

The LED taillight and brake lights are not serviceable. If the taillight or a brake light becomes damaged or inoperable, the entire light assembly must be replaced. See your authorized INDIAN MOTORCYCLE dealer or other authorized dealer.

LED TURN SIGNAL REPLACEMENT

The LED turn signal lights are not serviceable. If the turn signal becomes damaged or inoperable, the entire light assembly must be replaced. See your authorized INDIAN MOTORCYCLE dealer or other authorized dealer.

BATTERY

The motorcycle battery is a sealed, maintenance-free battery. Do not remove the battery cap strip for any reason. Keep the battery connections clean and tight at all times.

WARNING

Battery electrolyte is poisonous. It contains sulfuric acid. Serious burns can result from contact with skin, eyes or clothing.

Antidote:

External: Flush with water.

Internal: Drink large quantities of water or milk. Follow with milk of magnesia, beaten egg, or vegetable oil. Call physician immediately.

Eyes: Flush with water for 15 minutes and get prompt medical attention.

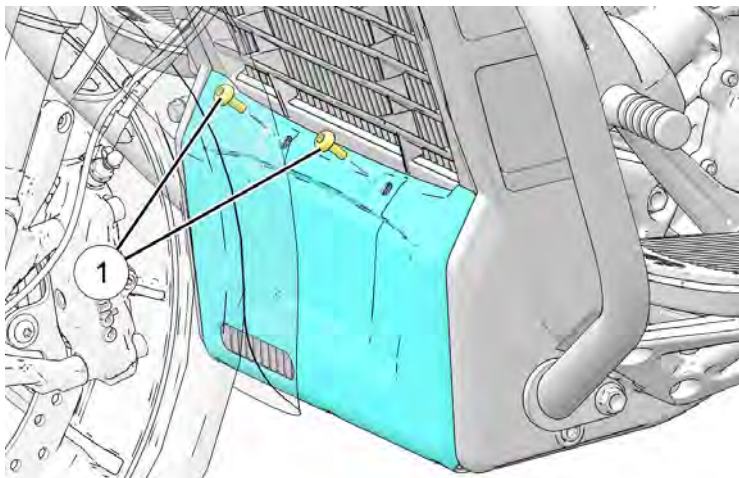
Batteries may produce explosive gases.

- Keep sparks, flame, cigarettes, etc. away.
- Ventilate when charging or using in an enclosed space.
- Always shield eyes when working near batteries.
- KEEP OUT OF REACH OF CHILDREN.

NOTICE

If the battery voltage is dropping, the load shedding function will shut off high current draw electrical auxiliary devices such as heated seat or grips until the system voltage has recovered.

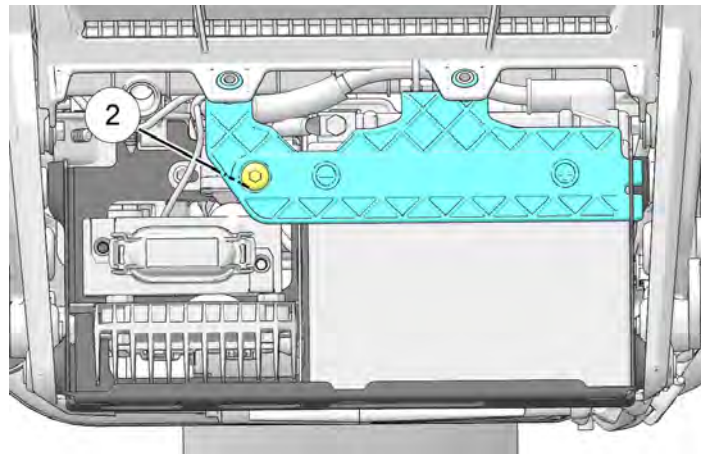
BATTERY REMOVAL



To remove the battery, do the following:

1. Remove chin fairing by removing its fasteners ①.

2. Remove battery bracket by removing its fastener ② and sliding the bracket out of its retention feature.



3. Disconnect negative (-) battery terminal.

⚠ CAUTION

Be careful not to cross battery terminals.

4. Disconnect positive (+) battery terminal.
5. Remove battery from battery box.

BATTERY INSTALLATION

NOTICE

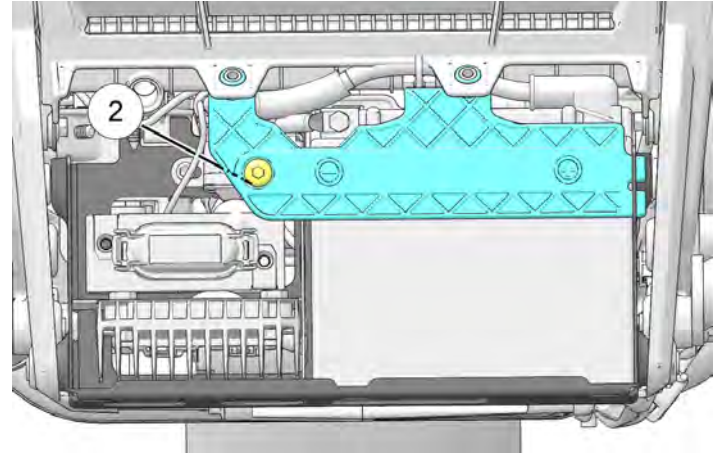
Be sure cable ends and battery terminals are clean. Apply a light film of dielectric grease to terminal fastener threads.

1. Carefully install battery into battery box.
2. Connect the positive (+) battery terminal and torque fastener to specification.
3. Connect the negative (-) battery terminal and torque fastener to specification.

TORQUE

Positive and Negative Battery Terminal:
48 in-lbs (5.4 N·m)

4. Install battery bracket and fastener ②.



TORQUE

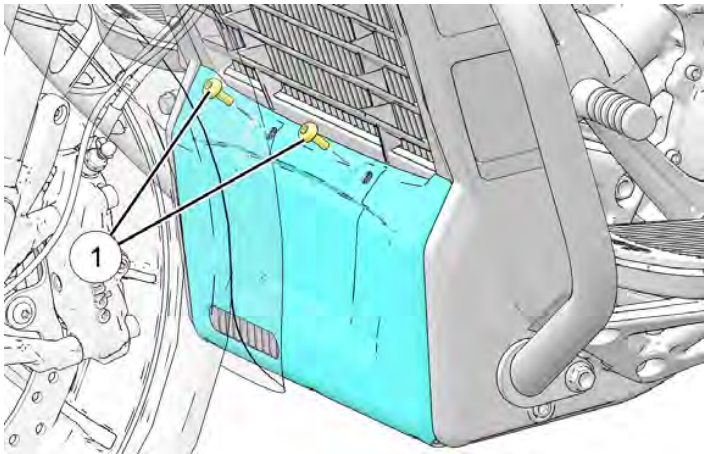
Battery Bracket Fastener:
84 in-lbs (10 N·m)

MAINTENANCE

- 5. Apply dielectric grease over terminal areas for corrosion protection.
- 6. Install chin fairing and fasteners ①.

TORQUE

Chin Fairing Fastener:
36 in-lbs (4 N·m)



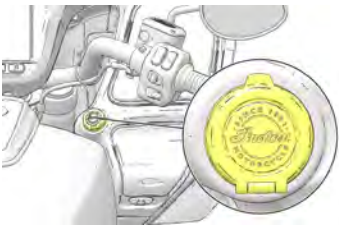
BATTERY CHARGING AND MAINTENANCE

IMPORTANT

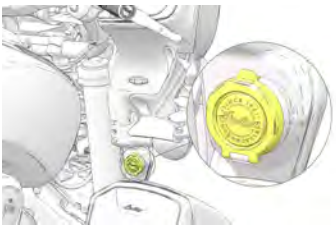
Read and follow the safety precautions listed on the battery and the proper battery charging procedures outlined in the Owner's Manual.

If your motorcycle will not be used for a period of two (2) weeks or longer, a maintenance charger should be connected to the battery using the 12V Battery Charge Port. The Battery Charge Port is located on the dash.

Challenger and Pursuit Models



Chieftain and Roadmaster Models



⚠ CAUTION

Before connecting a battery charger to the Battery Charge Port, ensure the vehicle has cooled to ambient temperature. Do not allow cables to rest on hot or sharp surfaces while charging.

AGM BATTERY CHARGER RECOMMENDATIONS

Indian Motorcycle recommends using the BatteryMINDer® 2012 AGM - 2 AMP battery charger (PN 2830438) to charge and maintain AGM (Absorbed Glass Mat) batteries. The charger can be found on the Polaris or Indian PG&A websites or your authorized Indian Motorcycle dealer. If not using the BatteryMINDer® 2012 AGM - 2 AMP battery charger, an automatic or constant monitoring AGM battery charger with a charging rate of 2 amps or less is recommended to prevent damage to the battery.

Batteries that fall below 12.5V run the risk of sulfation, a condition whereby sulfate crystals form inside the battery and significantly reduce performance. AGM chargers are designed specifically for charging AGM type batteries and use high frequency pulses to partially reverse sulfation.

IMPORTANT

The use of non-AGM battery chargers may result in a misleading “battery not found” or “open cell” fault message. Please ensure you are using the recommended AGM charger when charging AGM type batteries to prevent damage to the battery.

AGM BATTERY CHARGING RECOMMENDATIONS

If the motorcycle will not be driven for more than 2 weeks, maintaining the battery with the BatteryMINDer® 2012 - AGM charger (PN 2830438) is recommended.

Always use the recommended automatic battery charger, and wait for the charger to complete the charge cycle before disconnecting it.

AGM BATTERY MAINTENANCE TIPS

To help prolong battery life, it is recommended to remove the battery from vehicles stored TWO months or longer. To maximize the life of stored batteries, they should be kept in a cool/dry location. Batteries will self discharge more rapidly when stored in extreme heat. Batteries should be maintained using the recommended battery charger while in storage.

Batteries which are not connected to a vehicle should be charged every 2 months.

Batteries will self-discharge more quickly when dirty. Periodic cleaning of the battery terminals using a terminal brush will help maximize battery life. Wash terminals with a solution of one tablespoon baking soda and one cup water. Rinse well with tap water and dry off with clean shop towels. Coat the terminals with dielectric grease or petroleum jelly.

Battery connections should be tightened to the correct torque during installation. This will reduce voltage drop and ensure a reliable connection between the regulator/rectifier and battery.

MAINTENANCE

KEY FOB BATTERY LIFE

WARNING

Keep the key fob and key fob battery out of reach of children. Swallowing can lead to chemical burns, perforation of soft tissue, and death. Severe burns can occur within 2 hours of ingestion. Seek medical attention immediately.

Key fob battery life is approximately 2 years. Battery changes recommended yearly. Multi-Function (Two Button) Key Fob battery life will decrease with frequent use of the LOCK / UNLOCK buttons.

Low Battery Indicators:

- Decreased fob authentication range
- Horn honks 5 seconds after startup
- Security light stays illuminated for up to 20 seconds
- Both Battery Light and Security Light are illuminated
- Ride Command notification

Key Fob performance can be affected by the following conditions:

- Close proximity of ferrous materials (e.g. money clip or pocket knife)
- Key Fob stuck to saddlebag speaker magnet
- Key Fob held in ferrous container (metal cup holder or glasses case)
- Cold temperatures (Key Fob should be kept above 45 °F (7 °C))

To replace the key fob battery, do the following:

1. Remove the courtesy key by pushing the button on the back of the fob ①.



2. Pry the back door off of the fob to access the battery.
3. Replace with new battery.

NOTICE

Key Fob Replacement Battery Part Number: 4014675 or CR2032

FOB BATTERY DISPOSAL

For disposal, FOB's should not be mixed with general household waste. For proper treatment, recovery and recycling, please take the FOB to designated collection points where it will be accepted free of charge. Disposal of the FOB correctly will help save valuable resources and prevent any potential negative effects on human health and the environment. Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation.



FUSE REPLACEMENT

NOTICE

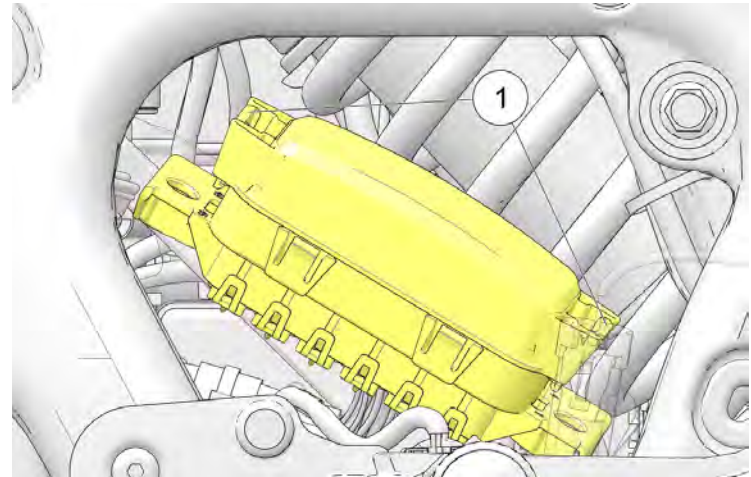
Use fuses with the recommended amperage to avoid damage to the electrical system.

STANDARD FUSES

The standard fuse box is located under the left side cover. This fuse box houses all standard service fuses. Fuse application and size are provided on a label on the fuse box cover.

NOTICE

Use the fuse puller provided in the tool kit to remove a fuse.



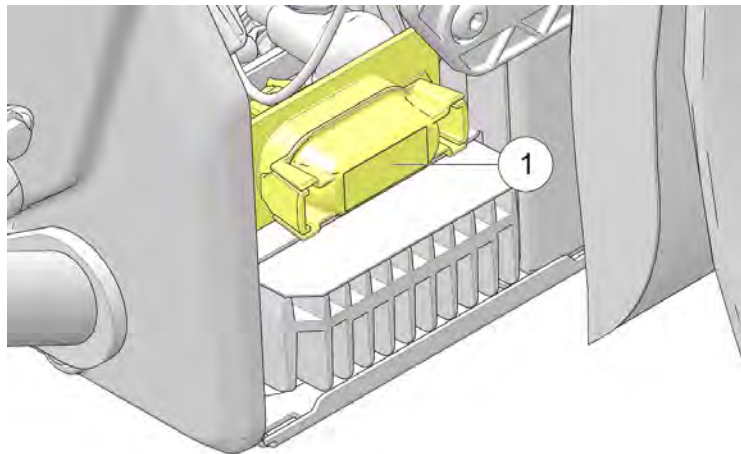
1. Remove the left side cover.
2. To release the locking tabs, squeeze the upper and lower cover clips ① and remove the fuse box cover.
3. After replacing a fuse, reinstall the fuse box cover and side cover.

HIGH-CURRENT FUSES

The MCASE+® fuse box ① contains the high-current fuses for the chassis, vehicle control module and anti-lock brake system. This fuse box is located next to the battery box.

MAINTENANCE

Fuse application and size are provided on a label on the fuse box cover.



ELECTRICAL PRECAUTIONS

Be aware of the following precautions regarding the electrical system to avoid disruption of electrical signals and possible system malfunction.

- DO use **ONLY** genuine INDIAN MOTORCYCLE parts and accessories designed for your model, and follow the instructions provided.
- DO use the accessory power jack provided (if equipped).

- If it is necessary to provide power to an item that does not use one of the previously mentioned power jacks, connect to the load side of the main MCASE+® fuse holder and connect the ground wire to the engine ground at the front side of the crankcase (near the MCASE+® fuse holder). The MCASE+® fuse holder is located under the cover above the voltage regulator.
- DO NOT splice or cut any wires.
- DO NOT tap in to any power or ground on the motorcycle unless specifically directed to do so by the INDIAN MOTORCYCLE instructions that come with the kit.
- DO NOT back-probe electrical connectors on the vehicle unless directed to do so by the *INDIAN MOTORCYCLE Service Manual*.
- DO NOT power any accessories from the diagnostic connector (under left side cover).

UNLOCKING THE SECURITY SYSTEM

Your dealer will provide the master personal identification number (PIN) for the security system. Your dealer may also change the master PIN to a new rider PIN on your behalf.

Record both PINs on page 7.

Change the dealer-provided PIN to a PIN of your own choosing as soon as possible after receiving delivery of your new motorcycle. See page 187. If you do not have your PIN or forget your PIN, your local dealer can assist.

If a key fob is not available, your rider PIN can be entered using the Ride Command display to unlock the security system.

CHANGING YOUR SECURITY SYSTEM PIN

To change your PIN, you must have either the key fob or your existing valid PIN available to gain access to the security system. If the key fob is not detected or is not available and you cannot remember your PIN, please see your INDIAN MOTORCYCLE dealer.

Please read the entire procedure before beginning.

1. Navigate to the Vehicle Settings menu.
2. Tap Passcode Unlock on the display screen.
3. Tap Change Passcode on the display screen.
4. Enter an existing or master PIN by pressing the corresponding numbers on the display screen.
5. When prompted, enter a new PIN into the display screen. you will be prompted to confirm the new PIN.
6. If the PIN has been accepted, the display screen will display a confirmation.

ENGINE COMPRESSION TEST

An engine compression test can be performed to monitor general engine condition. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.

EXHAUST SYSTEM INSPECTION

Check the exhaust system for stains from leaking exhaust gasses. Replace damaged or leaking exhaust gaskets. Check all exhaust system fasteners. Tighten loose clamps and fasteners. Do not overtighten. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.

ELEVATING THE MOTORCYCLE



WARNING

Serious injury or death can occur if the motorcycle tips or falls. Make sure the motorcycle will not tip or fall while elevated or while on the sidestand.

Some procedures require raising the motorcycle to remove weight from the component being inspected. Elevate the motorcycle by placing a stable, flat platform jack or lift mechanism on a firm, flat surface and lifting under the engine crankcase. The platform should be a minimum of 12 in (30 cm) square. DO NOT attempt to lift the motorcycle without proper equipment. Always secure the motorcycle properly before lifting so it cannot tip or fall when elevated.

ROAD TEST

Before returning the motorcycle to regular use, perform a road test in a safe area. Pay special attention to the proper fit and operation of all serviced components.

Make any corrections or additional adjustments promptly to ensure safe, reliable and enjoyable vehicle performance.

MAINTENANCE

FASTENER INSPECTION

1. Inspect the entire motorcycle chassis and engine for loose, damaged or missing fasteners. Tighten loose fasteners to the proper torque. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.
2. Always replace stripped, damaged or broken fasteners before riding. Use genuine INDIAN MOTORCYCLE fasteners of equal size and strength.

FASTENER TORQUES

Some procedures and fastener torques are not listed in this manual. See the *INDIAN MOTORCYCLE Service Manual* or an authorized INDIAN MOTORCYCLE dealer can assist.

TROUBLESHOOTING

For your personal safety, do not attempt inspection or repairs not fully described in this rider's manual. Contact an authorized dealer for service if you cannot determine the cause of a problem or if the inspection/repair exceeds your mechanical ability or tool resources. Do not perform any inspection or repair with the engine running.

ENGINE CRANKS BUT WILL NOT START

POSSIBLE CAUSE	POSSIBLE REMEDY/ACTION
Low Fuel	Verify fuel level.
Fuel Pump Inoperative	Turn engine STOP switch to RUN. Turn the power switch on. The fuel pump should run momentarily and then stop. Check the fuel pump/ignition MCASE+® fuse holder.
Battery Voltage Too Low	Fully charge the battery.
Spark Plug(s) Fouled	Inspect spark plugs.
Spark Plug Wire(s) Disconnected or Loose	Be sure spark plug wires are securely fastened.
Low Compression	Please see your dealer for an engine compression test.

STARTER MOTOR CLICKS, DOES NOT TURN OR TURNS SLOWLY

POSSIBLE CAUSE	POSSIBLE REMEDY/ACTION
Engine Stop/Run Switch in Stop Position	Place switch in RUN position.
Battery Discharged	Fully charge the battery.
Battery Cables Loose or Corroded	Inspect battery cables.
Transmission In Gear	Shift transmission into neutral or pull the clutch lever in to disengage the clutch.

POSSIBLE CAUSE	POSSIBLE REMEDY/ACTION
Key Fob Not Authenticated	Make sure key fob is within range and that key fob battery voltage is not low.
Sidestand is Down With Transmission in Gear	Shift to neutral or retract the sidestand fully.

ENGINE STARTS BUT MISSES OR RUNS POORLY

NOTICE

Turn engine OFF before inspecting any of these items.

POSSIBLE CAUSE	POSSIBLE REMEDY/ACTION
Battery Discharged	Fully charge the battery.
Battery Cables Loose or Corroded	Inspect battery cables and connections.
Spark Plug(s) Fouled	Inspect spark plugs.
Spark Plug Wire(s) Loose or Wet	Inspect spark plug wires, ensure dry/secure.
Contaminated Fuel	Inspect fuel for water/contamination. Please see your dealer.
Engine Oil Level Incorrect Or Wrong Type	Inspect level and quality of oil.
Loose, Broken, Shorted Ignition Coil Wires	Inspect coil primary wires. Please see your dealer.
Air Intake Restricted	Inspect air filter.
Intake Leaks	Inspect air box, throttle body and intake boot joints.

SHIFTING DIFFICULTIES OR HARD TO FIND NEUTRAL

POSSIBLE CAUSE	POSSIBLE REMEDY/ACTION
Shift Linkage Bushings Dry Or Worn	Lubricate shift linkage.
Clutch Damage	Replace clutch.
Clutch Cable Not Adjusted Properly	See Mechanical Clutch Lever Freeplay section.
Shift Linkage Not Adjusted Properly	Please see your dealer for inspection and adjustment.

BATTERY CHARGING RATE LOW OR BATTERY DISCHARGES

POSSIBLE CAUSE	POSSIBLE REMEDY/ACTION
Loose/Corroded Charging Circuit Connection	Check/clean battery cable connections. Check/clean charging circuit connections. Please see your dealer.
Accessory Load Exceeds Charge Rate	Limit accessory operation when the engine is off.
Improperly Wired Accessory (Current Draw)	Please see your dealer to check charging system output and current draw.

MAINTENANCE

BRAKE NOISE/POOR BRAKE PERFORMANCE

<i>NOTICE</i>	
See your dealer if brake performance does not return after these inspections.	

POSSIBLE CAUSE	POSSIBLE REMEDY/ACTION
Dust/Dirt On Brake Disc(s)	Clean disc.
Worn Pads Or Disc/Brake Disc Damage	Inspect pads.
Brake Fluid Level Low Or Fluid Contaminated	Inspect fluid level/fluid condition.

ANTI-LOCK BRAKE LIGHT REMAINS ILLUMINATED OR ILLUMINATES INTERMITTENTLY

POSSIBLE CAUSE	POSSIBLE REMEDY/ACTION
Blown fuse	Check the fuses. See page 185.
Debris lodged in components	Inspect wheel speed sensor for debris.
Damage caused by debris	Inspect wheel speed sensor for cracked housing.
Damaged components	See service manual or authorized dealer.

CLEANING AND STORAGE

CLEANING PRODUCTS

This section provides tips on the very best way to clean, polish and preserve every surface of your beautiful new INDIAN MOTORCYCLE. We recommend the use of our new INDIAN MOTORCYCLE cleaning and polishing products and accessories, which have been specially designed to offer the best care possible for your INDIAN MOTORCYCLE.

In addition to the products recommended in this section for cleaning and polishing, INDIAN MOTORCYCLE also has specialty products for:

- enhancing black and silver engines
- cleaning engines, tires and wheels
- removing brake dust

After cleaning the motorcycle, inspect for damage to the painted surfaces. Chips or scratches should be repaired promptly to prevent corrosion.

For Matte Clear Coat Finish Care, see the *Matte Clear Coat Finish Care* section for details.

For Gloss Clear Coat Finish Care, see the *Gloss Clear Coat Finish Care* section for details.

For more information, or for answers to your cleaning and detailing questions, please see your INDIAN MOTORCYCLE dealer or visit <https://www.indianmotorcycle.com/en-us/self-help/article/KA-01210/>.

WASHING THE MOTORCYCLE

NOTICE

Do not use pressurized water to wash the motorcycle. Water may seep in and deteriorate wheel bearings, brake caliper assemblies, brake master cylinders, electrical connectors, steering head bearings, suspension components, and transmission seals.

Do not direct any water stream at air intakes, exhaust outlets, electrical connectors or audio system speakers.

Electrical components may be damaged by water. Do not allow water to contact electrical components or connectors.

1. Before washing, make sure exhaust pipes are cool. Cover each pipe opening with a plastic bag secured with a strong rubber band. Check that the spark plugs, spark plug wire caps, oil fill cap and fuel caps are properly seated.
2. Do not use abrasive cleaners.
3. Rinse off as much dirt and mud as possible with water running at low pressure. Use as little water as possible when washing near the air intake or the exhaust pipe openings. Dry these components thoroughly before using the motorcycle.
4. Clean the front fork tubes thoroughly to reduce fork seal wear and leakage.

CLEANING AND STORAGE

5. After washing, remove the rubber bands and plastic bags from the exhaust pipes. Start the engine and let it idle for a few minutes.
6. Make sure the brakes are functioning properly before riding.

WINDSHIELD CARE

Clean the windshield with a soft cloth and plenty of warm water. Dry with a soft clean cloth. Remove minor scratches with a high-quality polishing compound designed for use on polycarbonate surfaces.

NOTICE

Brake fluid and alcohol will permanently damage the windshield. Do not use glass cleaners, water or soil repellents, and petroleum or alcohol based cleaners on the windshield, as these products can damage the windshield.

MATTE CLEAR COAT FINISH CARE

Matte finish products are prone to trapping dirt, oils and other contaminants. Always clean this type of finish with warm water and a mild dish-washing detergent. Use a soft sponge to gently rub the surface, then rinse with clean warm water. For stubborn stains such as grease or oil, use a citrus-based cleaner. Spray the cleaner onto the area and rub gently with a soft sponge. Allow the cleaner to sit for a couple of minutes, then rinse well with clean warm water. Repeat as needed.

IMPORTANT

Never use a polishing/buffing wax or any sponge that has an abrasive surface when cleaning a matte finish. These products will buff the matte surface of the finish and result in a glossy finish. Never clean matte finishes with a pressure washer, as this will further imbed contaminants into the clear coat and may damage labels and decals.

GLOSS CLEAR COAT FINISH CARE

The clear coat finish system used on your INDIAN MOTORCYCLE provides superior protection against the elements. To maximize the benefits of this system, use the following guide to care for the gloss finish on your motorcycle.

- During the first 30 days, when the finish is still fresh, clean the motorcycle with a water rinse only.
- Do not wax the motorcycle for the first 60 days. Doing so can cause loss of the gloss. After 60 days, use only waxes designed for new clear coat finishes.
- Do not use pressurized water to wash the motorcycle. When paint is still fresh, pressurized water could damage the finish. If using a pressure washer is unavoidable, keep the spray nozzle at least 24 inches (60 cm) away from the surface of the motorcycle.
- Wash your motorcycle often, especially when exposed to salty, dusty, acidic or alkaline environments.
- Use warm or cool water and a soft cloth for cleaning.
- Use soaps that are non-abrasive and have a neutral pH (non acidic/non alkaline detergents).

- Do not use solvent-based solutions.
- Do not use a dry cloth to remove dust.
- Do not use a stiff bristle brush, which can scratch the surface.
- Do not wash with extremely hot water.
- Do not wash the motorcycle while the surface is hot and avoid washing the motorcycle in the hot sun. Minerals in the water may be difficult to remove once dried on the surface of the motorcycle.
- Do not allow spilled gasoline, motor oil or brake fluid to stand on the paint. Remove these substances immediately by rinsing with water. Use a soft cloth to absorb any remaining residue and dab dry.
- To remove bug remnants or road tar, use only products that are specifically designed for this purpose. Follow the product manufacturer's recommendations to prevent potential damage to the finish. Follow with a wash using the methods described in this section.
- Always brush away any ice or snow, do not scrape off.
- Chips or scratches should be repaired promptly to prevent corrosion.

INFOTAINMENT TOUCHSCREEN CARE

We recommend using a gentle detergent and water to clean your touchscreen. Wash and dry with a lint free cloth.

- Do not expose to brake fluid.
- Do not expose to gasoline.
- Do not expose to bug repellents containing DEET.

STORAGE AREA PREPARATION

If you will not operate the motorcycle for more than 60 days, store the motorcycle to prevent damage to the fuel system and the battery and to protect components from corrosion or deterioration. During storage preparation you might use products that are potentially hazardous; such as fuel stabilizer. When using any of these products, follow the instructions and warnings on the product packaging.

Choose a dry, well-ventilated storage location, inside a garage or other structure if possible. The location should have a firm, flat surface and allow enough space for the motorcycle.



Gasoline is highly flammable and explosive under certain conditions. Do not store the motorcycle in any area (in home or garage) where it could be near open flames, pilot lights, sparks or electric motors. Do not smoke in the storage area.

To best preserve tire condition:

- The storage area should have a relatively constant and moderate temperature.
- The storage surface should be free of oil and gasoline.
- The motorcycle should not be near a radiator or other heat source, or any type of electric motor.

CLEANING AND STORAGE

CLEAN AND PROTECT THE MOTORCYCLE

To prepare the motorcycle for storage, begin by cleaning and polishing the motorcycle as outlined beginning on page 191. Polish chromed and other metal surfaces. Apply protectant to exposed rubber, vinyl and plastic parts. *Do not apply rubber protectant to the tire tread surfaces.*

FUEL STABILIZER

Add fresh fuel to fill the fuel tank and add fuel stabilizer. Do not overfill.

Ride the motorcycle or start and run the engine for 15 minutes in a well ventilated area to distribute the stabilizer throughout the fuel system.

TIRE INFLATION

Inflate the tires to normal pressure. See page 35.

ENGINE PROTECTION

Change the engine oil.

BATTERY CARE

1. Remove the battery. See page 180.
2. Clean the battery terminals first with a wire brush to remove any loose deposits.
3. Wash the posts and the ends of the battery cables with a solution of one part baking soda to 16 parts water. Rinse with clean water and wipe dry.

4. Apply a thin film of dielectric grease to the posts and cable connectors.
5. Clean the outside of the battery with a solution of mild detergent and warm water.
6. Store the battery in a dry area with a temperature of 32° to 90° F (0° to 32° C).
7. While in storage, fully charge the battery once a month. See page 180.

MAINTENANCE DURING STORAGE

During extended storage periods, maintain tire pressure and battery voltage at the recommended levels.

RODENTS

Mice and other rodents are often the worst enemy of a stored motorcycle. If the motorcycle will be stored in an area where mice are a concern (particularly in rural areas, barns, sheds, etc.) be sure to take extra measures to deter their infestation. This may include placing a screen mesh over any intake or exhaust openings (remember to remove them when you remove the motorcycle from storage).

PARK AND COVER THE MOTORCYCLE

1. Park the motorcycle in its storage location. Block the frame to take some of the weight off the front and rear wheels.

NOTICE

Starting the motorcycle periodically during storage is NOT recommended. Water vapor is a by-product of the combustion process, and corrosion may result unless the engine is operated long enough to bring the oil and exhaust system to normal operating temperature.

2. Secure a plastic bag over the (cooled) exhaust outlets to prevent moisture from entering the exhaust system.
3. Cover the motorcycle with a cover made from a durable, breathable material designed for storage. Covering the motorcycle helps protect it from dust and other airborne materials. The cover must be of a breathable material to prevent moisture from building up on the motorcycle which can cause oxidation of metal surfaces.

REMOVAL FROM STORAGE

1. Install a fully charged battery.
2. Check the oil level. If the motorcycle was stored in an area subject to wide swings in temperature and humidity (such as outdoors), change the engine oil before starting the engine.

NOTICE

During storage, temperature and humidity changes can cause condensation to form in the crankcase and mix with engine oil. Running the engine with oil that contains condensation can cause engine damage.

3. Inspect the storage area for signs of fluid leaks. Identify and perform service to any leaking components.
4. Remove any intake or exhaust mesh covers installed for rodent protection.
5. Install new spark plugs if necessary.
6. Perform the pre-ride inspections. See page 99.
7. Perform a road test. See page 187.
8. Wash and polish the motorcycle. Wax, polish or apply protectant to appropriate components.

SPECIFICATIONS
CHALLENGER SPECIFICATIONS

DIMENSIONS	
Overall Length	98.5 in (2503 mm)
Overall Width Without Mirrors	39 in (990 mm)
Overall Height Without Windshield and Mirrors	50 in (1270 mm)
Overall Height to Top of Windshield (lowest position)	53 in (1345 mm)
Unladen Seat Height	27 in (686 mm)
Wheelbase	65.7 in (1668 mm)
Ground Clearance	5.4 in (137 mm)
Rake	25 Degrees

SPECIFICATIONS

WEIGHT				
	CHALLENGER	CHALLENGER DARK HORSE	CHALLENGER LIMITED	CHALLENGER ELITE
Dry Weight (without Fuel/Fluids)	806 lb (366 kg)	819 lb (372 kg)		828 lb (376 kg)
Wet Weight (with Fuel/Fluids)	842 lb (382 kg)	855 lb (388 kg)		864 lb (392 kg)
Gross Vehicle Weight Rating (GVWR)	1385 lb (628 kg)			

CAPACITIES	
Radiator Coolant	2.4 qt (2.3 L)
Engine Oil	5.0 qt (4.7 L)
Fuel	6.0 gal (22.7 L)
Fuel Reserve (fuel light on)	1.0 gal (3.8 L)
Fork oil	18.1 fl oz (535 mL) per fork leg

WHEELS / TIRES	
Front Wheel Size / Type	19" x 3.5" Cast
Rear Wheel Size / Type	16" x 5" Cast

Front Tire Type / Size	130/60B19 66H / Metzeler® CruiseTec®
Rear Tire Type / Size	180/60R16 80H (I) / Metzeler® CruiseTec®
Tire Pressures	Front: 36 psi (248 kPa) Rear: 41 psi (283 kPa)

CHASSIS	
Front Suspension Type / Travel	Inverted Telescopic Fork / 5.1 in (130 mm)
Front Suspension Diameter	43 mm
Rear Suspension Type / Travel	Single shock with hydraulic adjuster / 4.5 in (114 mm)
Front Brakes	Dual / 320 mm Semi-floating Rotor / 4 Piston Radial Caliper
Rear Brakes	Single / 298 mm Floating Rotor / 2 Piston Caliper

DRIVETRAIN	
Primary drive	Gear Drive Wet Clutch
Clutch Type	Wet, Multi-Plate, Assist
Primary Reduction Ratio	1.564:1
Transmission Type	6 Speed / Constant Mesh / Foot Shift
Gear Shift Pattern	1 Down / 5 Up

SPECIFICATIONS

Final Drive Type	Belt Drive, 152 Tooth
Final Drive Ratio	2.379:1
ENGINE	
Engine Type	PowerPlus
Displacement	108 cid (1768 cc) 112 cid (1834 cc)
Compression Ratio	108 engine: 11.0:1 112 engine: 11.4:01
Valve Train	4 Valves per cylinder, SOHC, Hydraulic lifters
Bore and Stroke	108 engine: 108 mm x 96.5 mm 112 engine: 110 mm x 96.5 mm
Fuel System / Throttle Body Bore	Closed loop fuel injection / 52 mm dual bore
Exhaust System	Three O2 sensors, one each bank, single three-way catalyst
Rev Limit	6500 RPM
Idle RPM	900 RPM +/- 50 RPM
Lubrication System	Semi-Dry Sump
Spark Plug / Gap	NGK® LZMAR8AI-10 / 0.039 in (1.0 mm)

PURSUIT SPECIFICATIONS

DIMENSIONS	
Overall Length	101.5 in (2578 mm)
Overall Width Without Mirrors	39 in (990 mm)
Overall Height to Top of Antenna	59 in (1499 mm)
Overall Height to Top of Windshield (lowest position)	55.4 in (1407 mm)
Unladen Seat Height	27 in (686 mm)
Wheelbase	65.7 in (1668 mm)
Ground Clearance	5.4 in (137 mm)
Rake	25 Degrees

WEIGHT		
	PURSUIT DARK HORSE, and PURSUIT LIMITED	PURSUIT ELITE
Dry Weight (without Fuel/Fluids)	901 lb (409 kg)	908 lb (412 kg)
Wet Weight (with Fuel/Fluids)	937 lb (425 kg)	944 lb (428 kg)
Gross Vehicle Weight Rating (GVWR)	1385 lb (628 kg)	

SPECIFICATIONS

CAPACITIES	
Radiator Coolant	2.4 qt (2.3 L)
Engine Oil	5.0 qt (4.7 L)
Fuel	6.0 gal (22.7 L)
Fuel Reserve (fuel light on)	1.0 gal (3.8 L)
Fork oil	18.1 fl oz (535 mL) per fork leg

WHEELS / TIRES	
Front Wheel Size / Type	19" x 3.5" Cast
Rear Wheel Size / Type	16" x 5" Cast
Front Tire Type / Size	130/60B19 66H / Metzeler® CruiseTec®
Rear Tire Type / Size	180/60R16 80H (I) / Metzeler® CruiseTec®
Tire Pressures	Front: 36 psi (248 kPa) Rear: 41 psi (283 kPa)

CHASSIS	
Front Suspension Type / Travel	Inverted Telescopic Fork / 5.1 in (130 mm)
Front Suspension Diameter	43 mm
Rear Suspension Type / Travel	Single shock with electronically controlled hydraulic adjuster / 4.5 in (114 mm)
Front Brakes	Dual / 320 mm Semi-floating Rotor / 4 Piston Radial Caliper
Rear Brakes	Single / 298 mm Floating Rotor / 2 Piston Caliper
DRIVETRAIN	
Primary drive	Gear Drive Wet Clutch
Clutch Type	Wet, Multi-Plate, Assist
Primary Reduction Ratio	1.564:1
Transmission Type	6 Speed / Constant Mesh / Foot Shift
Gear Shift Pattern	1 Down / 5 Up
Final Drive Type	Belt Drive, 152 Tooth
Final Drive Ratio	2.379:1

SPECIFICATIONS

ENGINE	
Engine Type	PowerPlus
Displacement	108 cid (1768 cc) 112 cid (1834 cc)
Compression Ratio	108 engine: 11.0:1 112 engine: 11.4:01
Valve Train	4 Valves per cylinder, SOHC, Hydraulic lifters
Bore and Stroke	108 engine: 108 mm x 96.5 mm 112 engine: 110 mm x 96.5 mm
Fuel System / Throttle Body Bore	Closed loop fuel injection / 52 mm dual bore
Exhaust System	Two O2 sensors, one each bank, single three-way catalyst. INTL: Three O2 sensors, one each bank, catalyst in the resonator and the head pipe.
Rev Limit	6500 RPM
Idle RPM	900 RPM +/- 50 RPM
Lubrication System	Semi-Dry Sump
Spark Plug / Gap	NGK® LZMAR8AI-10 / 0.039 in (1.0 mm)

CHIEFTAIN POWERPLUS SPECIFICATIONS

DIMENSIONS	
Overall Length	98.5 in (2503 mm)
Overall Width Without Mirrors	39 in (990 mm)
Overall Height Without Windshield and Mirrors	49.4 in (1254 mm)
Overall Height to Top of Windshield (lowest position)	52.9 in (1343 mm)
Unladen Seat Height	27.0 in (686 mm)
Wheelbase	65.7 in (1668 mm)
Ground Clearance	5.4 in (137 mm)
Rake	25 Degrees

WEIGHT		
	CHIEFTAIN	CHIEFTAIN DARK HORSE and LIMITED
Dry Weight (without Fuel/Fluids)	797 lb (362 kg)	806 lb (366 kg)
Wet Weight (with Fuel/Fluids)	833 lb (378 kg)	842 lb (382 kg)
Gross Vehicle Weight Rating (GVWR)	1385 lb (628 kg)	

SPECIFICATIONS

CAPACITIES	
Radiator Coolant	2.4 qt (2.3 L)
Engine Oil	5.0 qt (4.7 L)
Fuel	6.0 gal (22.7 L)
Fuel Reserve (fuel light on)	1.0 gal (3.8 L)
Fork oil	18.1 fl oz (535 mL) per fork leg

WHEELS / TIRES	
Front Wheel Size / Type	19" x 3.5" Cast
Rear Wheel Size / Type	16" x 5" Cast
Front Tire Type / Size	130/60B19 66H / Metzeler® CruiseTec®
Rear Tire Type / Size	180/60R16 80H (I) / Metzeler® CruiseTec®
Tire Pressures	Front: 36 psi (248 kPa) Rear: 41 psi (283 kPa)

CHASSIS	
Front Suspension Type / Travel	Inverted Telescopic Fork / 5.1 in (130 mm)
Front Suspension Diameter	43 mm
Rear Suspension Type / Travel	Single shock with hydraulic adjuster / 4.5 in (114 mm)

Front Brakes	Dual / 320 mm Semi-floating Rotor / 4 Piston Radial Caliper
Rear Brakes	Single / 298 mm Floating Rotor / 2 Piston Caliper

DRIVETRAIN	
Primary drive	Gear Drive Wet Clutch
Clutch Type	Wet, Multi-Plate, Assist
Primary Reduction Ratio	1.564:1
Transmission Type	6 Speed / Constant Mesh / Foot Shift
Gear Shift Pattern	1 Down / 5 Up
Final Drive Type	Belt Drive, 152 Tooth
Final Drive Ratio	2.379:1

SPECIFICATIONS

ENGINE	
Engine Type	PowerPlus
Displacement	108 cid (1768 cc)
Compression Ratio	108 engine: 11.0:1 112 engine: 11.4:01
Valve Train	4 Valves per cylinder, SOHC, Hydraulic lifters
Bore and Stroke	108 engine: 108 mm x 96.5 mm 112 engine: 110 mm x 96.5 mm
Fuel System / Throttle Body Bore	Closed loop fuel injection / 52 mm dual bore
Exhaust System	Two O2 sensors, one each bank, single three-way catalyst.
Rev Limit	6500 RPM
Idle RPM	900 RPM +/- 50 RPM
Lubrication System	Semi-Dry Sump
Spark Plug / Gap	NGK® LZMAR8AI-10 / 0.039 in (1.0 mm)

ROADMASTER POWERPLUS SPECIFICATIONS

DIMENSIONS	
Overall Length	101.5 in (2578 mm)
Overall Width Without Mirrors	39 in (990 mm)
Overall Height to Top of Antenna	59 in (1499 mm)
Overall Height to Top of Windshield (lowest position)	56.3 in (1431 mm)
Unladen Seat Height	27.0 in (686 mm)
Wheelbase	65.7 in (1668 mm)
Ground Clearance	5.4 in (137 mm)
Rake	25 Degrees

WEIGHT	
	ROADMASTER DARK HORSE and LIMITED
Dry Weight (without Fuel/Fluids)	897 lb (407 kg)
Wet Weight (with Fuel/Fluids)	933 lb (423 kg)
Gross Vehicle Weight Rating (GVWR)	1385 lb (628 kg)

SPECIFICATIONS

CAPACITIES	
Radiator Coolant	2.4 qt (2.3 L)
Engine Oil	5.0 qt (4.7 L)
Fuel	6.0 gal (22.7 L)
Fuel Reserve (fuel light on)	1.0 gal (3.8 L)
Fork oil	18.1 fl oz (535 mL) per fork leg

WHEELS / TIRES	
Front Wheel Size / Type	19" x 3.5" Cast
Rear Wheel Size / Type	16" x 5" Cast
Front Tire Type / Size	130/60B19 66H / Metzeler® CruiseTec®
Rear Tire Type / Size	180/60R16 80H (I) / Metzeler® CruiseTec®
Tire Pressures	Front: 36 psi (248 kPa) Rear: 41 psi (283 kPa)

CHASSIS	
Front Suspension Type / Travel	Inverted Telescopic Fork / 5.1 in (130 mm)
Front Suspension Diameter	43 mm
Rear Suspension Type / Travel	Single shock with electronically controlled hydraulic adjuster / 4.5 in (114 mm)
Front Brakes	Dual / 320 mm Semi-floating Rotor / 4 Piston Radial Caliper
Rear Brakes	Single / 298 mm Floating Rotor / 2 Piston Caliper
DRIVETRAIN	
Primary drive	Gear Drive Wet Clutch
Clutch Type	Wet, Multi-Plate, Assist
Primary Reduction Ratio	1.564:1
Transmission Type	6 Speed / Constant Mesh / Foot Shift
Gear Shift Pattern	1 Down / 5 Up
Final Drive Type	Belt Drive, 152 Tooth
Final Drive Ratio	2.379:1

SPECIFICATIONS

ENGINE	
Engine Type	PowerPlus
Displacement	108 cid (1768 cc)
Compression Ratio	108 engine: 11.0:1 112 engine: 11.4:01
Valve Train	4 Valves per cylinder, SOHC, Hydraulic lifters
Bore and Stroke	108 engine: 108 mm x 96.5 mm 112 engine: 110 mm x 96.5 mm
Fuel System / Throttle Body Bore	Closed loop fuel injection / 52 mm dual bore
Exhaust System	Two O2 sensors, one each bank, single three-way catalyst.
Rev Limit	6500 RPM
Idle RPM	900 RPM +/- 50 RPM
Lubrication System	Semi-Dry Sump
Spark Plug / Gap	NGK® LZMAR8AI-10 / 0.039 in (1.0 mm)

FUEL RECOMMENDATION

For best performance, use only unleaded gasoline with a 91 pump octane minimum (R+M/2 Method) or 95 RON minimum. **DO NOT USE E-85 GASOLINE OR GASOLINE CONTAINING METHANOL.** Using E85 or gasoline/methanol blends can result in poor starting and driveability, engine damage and damage to critical fuel system components.

- *Gasoline containing up to 10% Ethanol can be used.*

In the event that the recommended premium unleaded gasoline is not available and low octane fuel must be used, fill the fuel tank only partially with unleaded regular gasoline, then fill the tank fully with premium unleaded gasoline as soon as possible.



ENGINE OIL RECOMMENDATION

We recommend the use of INDIAN MOTORCYCLE Full Synthetic 15W-60 Engine Oil for your motorcycle. This oil is formulated with synthetic-based oil and premium engine additive which have physical properties that meet API SM and ILSAC GF-4 specifications.

Do not blend oil additives with engine oil.

If oil must be added in an emergency and the recommended oil is not available, choose only a high-quality 15W-60 motorcycle oil. Change back to the recommended oil at the first opportunity.

Engine oil for this vehicle needs to be JASO MA compliant.

NOTICE

Use of non-recommended lubricants can result in engine damage. Damage resulting from the use of non-recommended lubricants is not covered by warranty.

ENGINE COOLANT RECOMMENDATION

We recommend the use of INDIAN MOTORCYCLE 50/50 Premix Extended Life Coolant for your motorcycle. This coolant is already premixed and ready to use. Do not dilute with water.

If INDIAN MOTORCYCLE coolant is not selected, use a 50/50 mix of compatible antifreeze and de-ionized water.

SPECIFICATIONS

FORK OIL

We recommend the use of INDIAN MOTORCYCLE Fork Oil for your motorcycle.

BRAKE FLUID

We recommend the use of INDIAN MOTORCYCLE DOT 4 Brake Fluid for both brake master cylinders. *DO NOT use DOT 5 silicone fluid.*

WARRANTY

INDIAN MOTORCYCLE WARRANTY POLICY

LIMITED WARRANTY

INDIAN MOTORCYCLE, 2100 Highway 55, Medina, MN 55340 (INDIAN MOTORCYCLE) gives a TWO YEAR LIMITED WARRANTY on all components of your INDIAN MOTORCYCLE against defects in material or workmanship. This warranty covers parts and labor charges for repair or replacement of defective parts and begins on the date of purchase by the original retail purchaser. This warranty is transferable to another owner during the warranty period through an INDIAN MOTORCYCLE dealer, but any such transfer will not extend the original term of the warranty. The duration of this warranty may vary by international region based upon local laws and regulations.

REGISTRATION

At the time of sale, the Warranty Registration Form must be completed by your dealer and submitted to INDIAN MOTORCYCLE within ten days of purchase. Upon receipt of this registration, INDIAN MOTORCYCLE will record the registration for warranty. No verification of registration will be sent to the purchaser as the copy of the Warranty Registration Form will be your proof of warranty coverage. If you have not signed the original registration and received the customer copy, please contact your dealer immediately. **NO WARRANTY COVERAGE WILL BE ALLOWED UNLESS YOUR MOTORCYCLE IS REGISTERED WITH INDIAN MOTORCYCLE.** Initial dealer preparation and set-up of your motorcycle is very important in ensuring trouble-free operation. Purchasing a vehicle in the crate or without proper dealer set-up will void your warranty coverage.

WARRANTY DISCLAIMERS FOR RIDE COMMAND AND ASSOCIATED CONNECTED SERVICES

The Ride Command Terms & Conditions available at <https://ridecommand.indianmotorcycle.com>, including the Warranty Disclaimers therein, apply to Ride Command and associated connected services.

LIMITATIONS OF WARRANTIES AND REMEDIES

This INDIAN MOTORCYCLE limited warranty excludes any failures that are not caused by a defect in material or workmanship. **THIS WARRANTY DOES NOT COVER CLAIMS OF DEFECTIVE DESIGN.** This warranty also does not cover acts of God, accidental damage, normal wear and tear, abuse or improper handling. This warranty also does not cover any motorcycle, component, or part that has been altered structurally, modified, neglected, improperly maintained or used for racing, competition, or purposes other than for which it was designed.

WARRANTY

This warranty excludes damages or failures resulting from: improper lubrication; improper engine timing; improper fuel; surface imperfections caused by external stress, heat, cold or contamination; operator error or abuse; improper component alignment, tension, adjustment or altitude compensation; snow, water, dirt or other foreign substance ingestion/contamination; improper maintenance; modified components; use of aftermarket or unapproved components, accessories, or attachments; unauthorized repairs; or repairs made after the warranty period expires or by an unauthorized repair center.

This warranty excludes damages or failures caused by abuse, accident, fire, or any other cause other than a defect in materials or workmanship and provides no coverage for consumable components, general wear items, or any parts exposed to friction surfaces, stresses, environmental conditions and/or contamination for which they were not designed or not intended, including but not limited to the following items:

- Wheels and tires
- Suspension components
- Brake components
- Seat components
- Clutches and components
- Steering components
- Batteries
- Light bulbs/Sealed beam lamps
- Filters
- Lubricants
- Bushings
- Sealants
- Coolants
- Bearings
- Finished and unfinished surfaces
- Fuel Injectors/Throttle body components
- Engine components
- Drive belts
- Hydraulic components and fluids
- MCASE+® fuse holder /Fuses
- Electronic components
- Spark plugs

LUBRICANTS AND FLUIDS

1. Mixing oil brands or using non-recommended oil may cause engine damage. We recommend the use of INDIAN MOTORCYCLE engine oil.
2. Damage or failure resulting from the use of non-recommended lubricants or fluids is not covered by this warranty.

This warranty provides no coverage for personal loss or expense, including mileage, transportation costs, hotels, meals, shipping or handling fees, motorcycle pick-up or delivery, replacement rentals, loss of vehicle use, loss of profits, or loss of vacation or personal time.

The exclusive remedy for breach of this warranty shall be, at INDIAN MOTORCYCLE's option, repair or replacement of any defective materials, components, or products. THE REMEDIES SET FORTH IN THIS WARRANTY ARE THE ONLY REMEDIES AVAILABLE TO ANY PERSON FOR BREACH OF THIS WARRANTY. INDIAN MOTORCYCLE SHALL HAVE NO LIABILITY TO ANY PERSON FOR INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OF ANY DESCRIPTION, WHETHER ARISING OUT OF EXPRESS OR IMPLIED WARRANTY OR ANY OTHER CONTRACT, NEGLIGENCE, OR OTHER TORT OR OTHERWISE. THIS EXCLUSION OF CONSEQUENTIAL, INCIDENTAL, AND SPECIAL DAMAGES IS INDEPENDENT FROM AND SHALL SURVIVE ANY FINDING THAT THE EXCLUSIVE REMEDY FAILED OF ITS ESSENTIAL PURPOSE.

THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS EXCLUDED FROM THIS LIMITED WARRANTY. ALL OTHER IMPLIED WARRANTIES (INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTY OF MERCHANTABILITY) ARE LIMITED IN DURATION TO THE ABOVE TWO YEAR WARRANTY PERIOD. INDIAN MOTORCYCLE DISCLAIMS ALL EXPRESS WARRANTIES NOT STATED IN THIS WARRANTY. SOME STATES DO NOT PERMIT THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR ALLOW LIMITATIONS ON THE DURATION OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU IF INCONSISTENT WITH CONTROLLING STATE LAW.

WARRANTY

HOW TO OBTAIN WARRANTY SERVICE

If your motorcycle requires warranty service, you must take it to an INDIAN MOTORCYCLE Servicing Dealer. When requesting warranty service you must present your copy of the Warranty Registration Form to the dealer. (THE COST OF TRANSPORTATION TO AND FROM THE DEALER IS YOUR RESPONSIBILITY). INDIAN MOTORCYCLE suggests that you use your original selling dealer; however, you may use any INDIAN MOTORCYCLE Servicing Dealer to perform warranty service.

IN THE COUNTRY WHERE YOUR MOTORCYCLE WAS PURCHASED:

Warranty or Service Bulletin repairs must be done by an authorized INDIAN MOTORCYCLE dealer. If you move or are traveling within the country where your motorcycle was purchased, Warranty and Service Bulletin repairs may be requested from any authorized INDIAN MOTORCYCLE dealer.

OUTSIDE THE COUNTRY WHERE YOUR MOTORCYCLE WAS PURCHASED:

If you are traveling temporarily outside the country where your motorcycle was purchased, you should take your motorcycle to an authorized INDIAN MOTORCYCLE dealer. You must show the dealer photo identification from the country of the selling dealer's authorized location as proof of residence. Upon residence verification, the servicing dealer will be authorized to perform the warranty repair.

IF YOU MOVE:

If you move to another country, be sure to contact INDIAN MOTORCYCLE Customer Assistance and the customs department of the destination country before you move. Vehicle importation rules vary considerably from country to country. You may be required to present documentation of your move to INDIAN MOTORCYCLE in order to continue your warranty coverage. You may also be required to obtain documentation from INDIAN MOTORCYCLE in order to register your motorcycle in your new country. You should warranty register your motorcycle at a local INDIAN MOTORCYCLE dealer in your new country immediately after you move to continue your warranty coverage and to ensure that you receive information and notices regarding your motorcycle.

IF YOU PURCHASE FROM A PRIVATE PARTY:

If you purchase an INDIAN MOTORCYCLE from a private party, to be kept and used outside of the country in which the motorcycle was originally purchased, all warranty coverage will be denied. You must nonetheless register your motorcycle under your name and address with a local INDIAN MOTORCYCLE dealer in your country to ensure that you receive safety information and notices regarding your motorcycle.

EXPORTED VEHICLES

EXCEPT WHERE SPECIFICALLY REQUIRED BY LAW, THERE IS NO WARRANTY OR SERVICE BULLETIN COVERAGE ON THIS VEHICLE IF IT IS SOLD OUTSIDE THE COUNTRY OF THE SELLING DEALER'S AUTHORIZED LOCATION. This policy does not apply to vehicles that have received authorization for export from INDIAN MOTORCYCLE. Dealers may not give authorization for export. You should consult an authorized dealer to determine this vehicle's warranty or service coverage if you have any questions. This policy does not apply to vehicles registered to government officials or military personnel on assignment outside the country of the selling dealer's authorized location. This policy does not apply to Safety Bulletins.

NOTICE

If your vehicle is registered outside of the country where it was purchased and you have not followed the procedure set above, your vehicle will no longer be eligible for warranty or service bulletin coverage of any kind, other than safety bulletins. Vehicles registered to Government officials or military personnel on assignment outside of the country where the vehicle was purchased will continue to be covered by the Limited Warranty.

Please work with your dealer to resolve any warranty issues. Should your dealer require any additional assistance, they will contact the appropriate person at INDIAN MOTORCYCLE.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or in different countries. If any of the above terms are void because of federal, state, local law, all other warranty terms will remain in effect.

For questions call INDIAN MOTORCYCLE Customer Assistance:

United States & Canada: 1-877-204-3697

French: 1-800-268-6334

WARRANTY

MOTORCYCLE NOISE REGULATION

Tampering with noise control systems is prohibited. Federal law prohibits the following acts or causing thereof:

- The removal or rendering inoperative by any person other than for the purposes of maintenance, repair, or replacement, of any device or element of design incorporated into any new vehicle for the purpose of noise control prior to its sale or delivery to the ultimate purchaser or while it is in use, or
- The use of the vehicle after such device or element of design has been removed or rendered inoperative by any person.

Among those acts presumed to constitute tampering are:

- Removal or puncturing of the muffler, baffles, header pipes, or any other component which conducts exhaust gasses.
- Removal or puncturing of any part of the intake system.
- Lack of proper maintenance.
- Replacing any moving part of the vehicle, or parts of the exhaust system or intake system, with parts other than those specified by the manufacturer.

This product should be checked for repair or replacement if the motorcycle noise has increased significantly through use. Otherwise, the owner may become subject to penalties under state and local ordinances.

NOISE EMISSION WARRANTY

INDIAN MOTORCYCLE warrants that this exhaust system, at the time of sale, meets all applicable U.S. EPA Federal noise standards. This warranty extends to the first person who buys this exhaust system for purposes other than resale, and to all subsequent buyers.

Warranty claims should be directed to:

- *An authorized INDIAN MOTORCYCLE dealer, or*
- *INDIAN MOTORCYCLE, 2100 Highway 55, Medina, MN 55340*

EMISSIONS CONTROL SYSTEM WARRANTY

INDIAN MOTORCYCLE COMPANY - EMISSION CONTROL SYSTEM WARRANTY STATEMENT

YOUR WARRANTY RIGHTS AND OBLIGATIONS

The California Air Resources Board and INDIAN MOTORCYCLE are pleased to explain the emission control system warranty on your 2015 or later INDIAN MOTORCYCLE. In California, new motor vehicles must be designed, built and equipped to meet the state's stringent anti-smog standards. INDIAN MOTORCYCLE must warrant the emission control system on your motorcycle for the periods of time listed below provided there has been no abuse, neglect or improper maintenance of your motorcycle. Your emission control system may include parts such as the fuel-injection system, the ignition system, catalytic converter and engine computer. Also included may be hoses, belts, connectors and other emission related assemblies. Where a warrantable condition exists, INDIAN MOTORCYCLE will repair your motorcycle at no cost to you, including diagnosis, parts and labor.

MANUFACTURER'S WARRANTY COVERAGE

Class III motorcycles (280cc and larger): for a period of use of five (5) years or 30,000 kilometers (18,641 miles), whichever first occurs.

If an emission-related part on your motorcycle is defective, the part will be repaired or replaced by INDIAN MOTORCYCLE. This is your emission control system DEFECTS WARRANTY.

MANUFACTURER'S WARRANTY COVERAGE (KOREA)

Class III motorcycles (280cc and larger): for a period of use of two (2) years or 35,000 kilometers (21,747 miles), whichever first occurs.

If an emission-related part on your motorcycle is defective, the part will be repaired or replaced by INDIAN MOTORCYCLE. This is your emission control system DEFECTS WARRANTY.

WARRANTY

OWNER'S WARRANTY RESPONSIBILITIES

As the motorcycle owner, you are responsible for the performance of the required maintenance listed in your Rider's manual. INDIAN MOTORCYCLE recommends that you retain all receipts covering maintenance on your motorcycle, but INDIAN MOTORCYCLE cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance. You are responsible for presenting your motorcycle to an INDIAN MOTORCYCLE dealer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed 30 days. As the motorcycle owner, you should be aware that INDIAN MOTORCYCLE may deny your warranty coverage if your motorcycle or part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact INDIAN MOTORCYCLE, 2100 Highway 55, Medina, MN 55340, or the California Air Resources Board, P.O. Box 8001, 4001 Iowa Ave, Riverside, CA 92507.

INDIAN MOTORCYCLE warrants that each new 2015 and later INDIAN MOTORCYCLE that includes as standard equipment a headlight, taillight and stoplight, and is street legal:

- A. is designed, built and equipped so as to conform at the time of initial retail purchases with all applicable regulations of the United States Environmental Protection Agency, and the California Air Resources Board; and
- B. is free from defects in material and workmanship which cause such motorcycle to fail to conform with applicable regulations of the United States Environmental Protection Agency or the California Air Resources Board for a period of use, depending on the engine displacement, of 12,000 kilometers (7,456 miles), if the motorcycle's engine displacement is less than 170 cubic centimeters; of 18,000 kilometers (11,185 miles), if the motorcycle's engine displacement is equal or greater than 170 cubic centimeters but less than 280 cubic centimeters; or of 30,000 kilometers (18,641 miles), if the motorcycle's engine displacement is 280 cubic centimeters or greater; or 5 (five) years from the date of initial retail delivery, whichever occurs first.

I. COVERAGE

Warranty defects shall be remedied during customary business hours at any authorized INDIAN MOTORCYCLE dealer located within the United States of America in compliance with the Clean Air Act and applicable regulations of the United States Environmental Protection Agency and the California Air Resources Board. Any part or parts replaced under this warranty shall become the property of INDIAN MOTORCYCLE.

In the State of California only, emission-related warranted parts are specifically defined by the state's Emission Warranty Parts List. These warranted parts are: carburetor and internal parts; intake manifold; fuel tank; fuel injection system; spark advance mechanism; crankcase breather; air cutoff valves; fuel tank cap for evaporative emission controlled vehicles; oil filler cap; pressure control valve; fuel/vapor separator; canister; igniters; breaker governors; ignition coils; ignition wires; ignition points; condensers, and spark plugs if failure occurs prior to the first scheduled replacement; and hoses, clamps, fittings and tubing used directly in these parts. Since emission related parts may vary from model to model, certain models may not contain all of these parts and certain models may contain functionally equivalent parts. In the State of California only, Emission Control System emergency repairs, as provided for in the California Administrative Code, may be performed by other than an authorized INDIAN MOTORCYCLE dealer. An emergency situation occurs when an authorized INDIAN MOTORCYCLE dealer is not reasonably available, a part is not available within 30 days or a repair is not complete within 30 days. Any replacement part can be used in an emergency repair. INDIAN MOTORCYCLE will reimburse the owner for expenses, including diagnosis, not to exceed INDIAN MOTORCYCLE's suggested retail price for all warranted parts replaced and labor charges based on INDIAN MOTORCYCLE'S recommended time allowance for the warranty repair and the geographically appropriate hourly labor rate. The owner may be required to keep receipts and failed parts in order to receive compensation.

WARRANTY

II. LIMITATIONS

The Emission Control System Warranty shall not cover any of the following:

A. Repair or replacement required as a result of:

- Accident
- Misuse
- Repairs improperly performed or replacements improperly installed
- Use of replacement parts or accessories not conforming to INDIAN MOTORCYCLE specifications which adversely affect performance and/or
- Use in competitive racing or related events.

B. Inspections, replacement of parts, and other services and adjustments necessary for required maintenance.

C. Any motorcycle on which the odometer mileage has been changed so that actual mileage cannot be readily determined.

III. LIMITED LIABILITY

- A. The liability of INDIAN MOTORCYCLE under this Emission Control System Warranty is limited solely to the remedying of defects in material or workmanship by an authorized INDIAN MOTORCYCLE dealer at its place of business during customary business hours. This warranty does not cover inconvenience or loss of use of the motorcycle or transportation of the motorcycle to or from the INDIAN MOTORCYCLE dealer. INDIAN MOTORCYCLE SHALL NOT BE LIABLE FOR ANY OTHER EXPENSES, LOSS OR DAMAGE, WHETHER DIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY ARISING IN CONNECTION WITH THE SALE OR USE OF OR INABILITY TO USE THE INDIAN MOTORCYCLE FOR ANY PURPOSE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.
- B. NO EXPRESS EMISSION CONTROL SYSTEM WARRANTY IS GIVEN BY INDIAN MOTORCYCLE EXCEPT AS SPECIFICALLY SET FORTH HEREIN. ANY EMISSION CONTROL SYSTEM WARRANTY IMPLIED BY LAW, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, IS LIMITED TO THE EXPRESS EMISSION CONTROL SYSTEM WARRANTY TERMS STATED IN THIS WARRANTY. THE FOREGOING STATEMENTS OF WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHER REMEDIES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.
- C. No dealer is authorized to modify this INDIAN MOTORCYCLE Limited Emission Control System Warranty.

IV. LEGAL RIGHTS

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

WARRANTY

V. THIS WARRANTY IS IN ADDITION TO THE INDIAN MOTORCYCLE LIMITED MOTORCYCLE WARRANTY

VI. ADDITIONAL INFORMATION

Any replacement part that is equivalent in performance and durability may be used in the performance of any maintenance or repairs. However, INDIAN MOTORCYCLE is not liable for these parts. The owner is responsible for the performance of all required maintenance. Such maintenance may be performed at a service establishment or by any individual. The warranty period begins on the date the motorcycle is delivered to an ultimate purchaser.

INDIAN MOTORCYCLE

2100 Highway 55

Medina, MN 55340

ATTN: Warranty Department

HOW THE CALIFORNIA EMISSIONS WARRANTY ON EMISSIONS -RELATED PARTS MUST FUNCTION AS PRESCRIBED IN 13 CCR § 2036

1. Any warranted part which is not scheduled for replacement as required maintenance in the Owner's Manual must be warranted for the warranty period. If any such part fails during the warranty period, it must be repaired or replaced by INDIAN MOTORCYCLE according to subsection (4) below. Any such part repaired or replaced under warranty must be warranted for the remaining warranty period.
2. Any warranted part which is scheduled only for regular inspection in the Owner's Manual must be warranted for the warranty period. A statement in such written instructions to the effect of "repair or replace as necessary" shall not reduce the period of warranty coverage. Any such part repaired or replaced under warranty shall be warranted for the remaining warranty period.
3. Any warranted part which is scheduled for replacement as required maintenance in the Owner's Manual must be warranted for the period of time or mileage, whichever first occurs, prior to the first scheduled replacement point for that part. If the part fails before the first scheduled replacement point, the part shall be repaired or replaced by INDIAN MOTORCYCLE according to subsection (4) below. Any such part repaired or replaced under warranty shall be warranted for the remainder of the period prior to the first scheduled replacement point for the part.
4. Repair or replacement of any warranted part under the warranty provisions of this article must be performed at no charge to the motorcycle owner, at a warranty station, except in the case of an emergency when a warranted part or a warranty station is not reasonably available to the motorcycle owner. In an emergency, repairs may be performed at any available service establishment, or by the owner, using any replacement part. INDIAN MOTORCYCLE must reimburse the owner for his or her expenses including diagnostic charges for such emergency repair or replacement, not to exceed INDIAN MOTORCYCLE's suggested retail price for all warranted parts replaced and labor charges based on INDIAN MOTORCYCLE's recommended time allowance for the warranty repair and the geographically appropriate hourly labor rate. A motorcycle owner may reasonably be required to keep receipts and failed parts in order to receive compensation for warranted repairs reimbursable due to an emergency.
5. Notwithstanding the provisions of subsection (4) above, warranty services or repairs must be provided at all INDIAN MOTORCYCLE dealerships which are franchised to service the subject motorcycles.
6. The motorcycle owner must not be charged for diagnostic labor which leads to the determination that a warranted part is in fact defective, provided that such diagnostic work is performed at a warranty station.
7. INDIAN MOTORCYCLE is liable for damages to other vehicle components proximately caused by a failure, under warranty, of any warranted part.

WARRANTY

8. Throughout the motorcycle's warranty period, INDIAN MOTORCYCLE must maintain a supply of warranted parts sufficient to meet the expected demand for such parts. The lack of availability of such parts or the incompleteness of repairs within a reasonable time period, not to exceed 30 days from the time the motorcycle is initially presented to the warranty station for repair, shall constitute an emergency for purposes of subsection (4).
9. Any replacement part may be used in the performance of any maintenance or repairs. Any replacement part designated by INDIAN MOTORCYCLE may be used in warranty repairs provided without charge to the motorcycle owner. Such use will not reduce the warranty obligations of INDIAN MOTORCYCLE, except that INDIAN MOTORCYCLE will not be liable under this article for repair or replacement of any replacement part which is not a warranted part (except as provided under subsection (7)).
10. Any add-on or modified part exempted by the Air Resources Board from the prohibitions of Vehicle Code section 27156 may be used on a motorcycle. Such use, in and of itself, will not be grounds for disallowing a warranty claim made in accordance with this article. INDIAN MOTORCYCLE is not liable under this article to warrant failures of warranted parts caused by the use of an add-on or modified part.

EXCLUSION

1. The repair or replacement of any warranted part otherwise eligible for warranty coverage described above, shall be excluded for such warranty coverage if INDIAN MOTORCYCLE demonstrates that the motorcycle has been abused, neglected, or improperly maintained, and that such abuse, neglect, or improper maintenance was the direct cause of the need for the repair or replacement of the part.

MAINTENANCE LOG
MAINTENANCE LOG

MAINTENANCE PERFORMED	MILES/KM	NOTES	PERFORMED BY

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To locate your nearest dealer,
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