

# ALUMINUM SPOKE WHEEL KIT



P/N 2883509

## INTERNATIONAL INSTRUCTIONS

### DE DEUTSCH

Laden Sie die neuesten PDF-Anweisungen von [www.indianmotorcycle.de](http://www.indianmotorcycle.de) herunter.

### FR FRANÇAIS

Télécharger les dernières instructions en format PDF sur [www.indianmotorcycle.fr](http://www.indianmotorcycle.fr).

### IT ITALIANO

Scarica l'ultima versione delle istruzioni in formato PDF da [www.indianmoto.it](http://www.indianmoto.it).

### EN ENGLISH

Download the latest PDF instructions from [www.indianmotorcycle.com](http://www.indianmotorcycle.com).

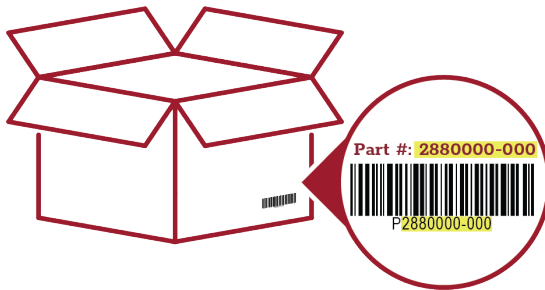
### ES ESPAÑOL

Descargue las instrucciones más recientes en formato PDF de [www.indianmotorcycle.mx](http://www.indianmotorcycle.mx) / [www.indianmotorcycle.es](http://www.indianmotorcycle.es).

### ZH 中文

从 [www.indianmotorcycle.cn](http://www.indianmotorcycle.cn) 下载最新的PDF说明。

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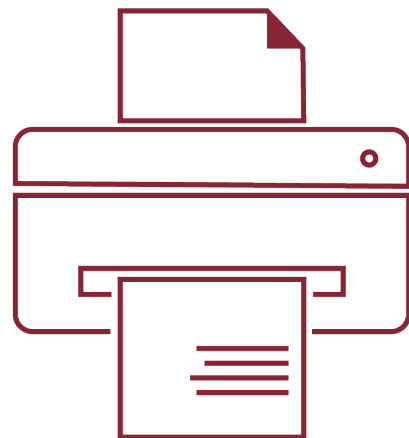
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## IMPORTANT

Due to the technical nature of this kit and reference FTR™ 1200 service manual, Indian Motorcycle® insists this installation be performed by a certified Indian Motorcycle® Technician.

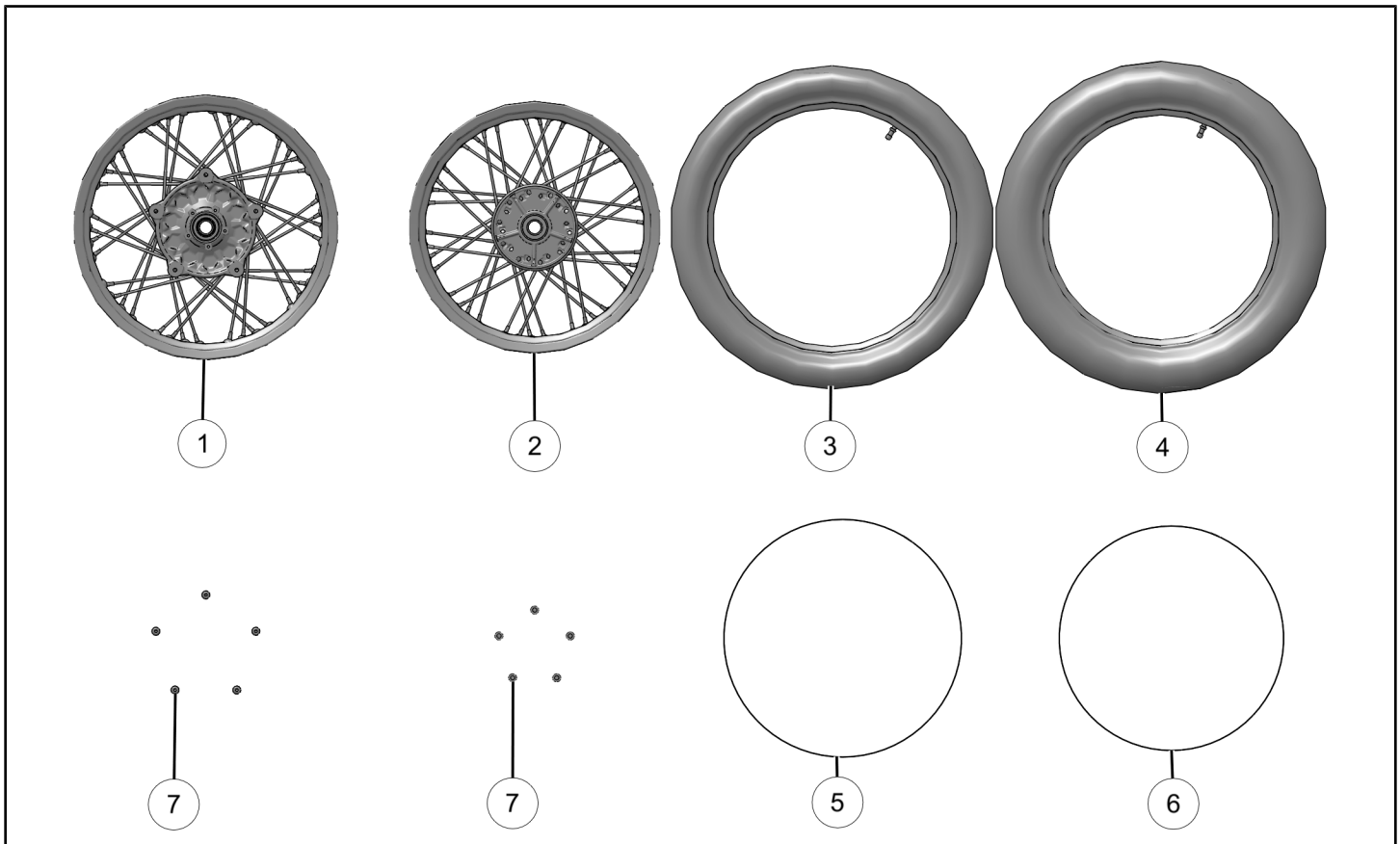
## APPLICATION

Verify accessory fitment at [www.indianmotorcycle.com](http://www.indianmotorcycle.com).

## BEFORE YOU BEGIN

Read these instructions and check to be sure all parts and tools are accounted for. Please retain these installation instructions for future reference and parts ordering information.

## KIT CONTENTS



## NOTE

XXX = Indian Motorcycle® color code (For example: 266 = Black)

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
1	1	Assembly-Wheel, Wire, 19 x 3.0 in., Front	1523502-XXX
2	1	Assembly-Wheel, Wire, 18 x 4.25 in., Rear	1523503-XXX
3	1	Tube-Tire, 19 x 3.0 in.	1824914
4	1	Tube-Tire, 18 x 4.25 in.	1824915
5	1	Strap-Rim, 19 x 3.0 in.	5814862

REF	QTY	PART DESCRIPTION	P/N AVAILABLE SEPARATELY
6	1	Strap-Rim, 18 x 4.25 in.	5814863
7	15	Screw-Rotor, Semi-Float	7520851
	1	Instructions	9929664

## TOOLS REQUIRED

- Safety Glasses
- Hex Key Set, Metric
- Screwdriver Set, Torx®
- Socket Set, Hex Bit, Metric
- Socket Set, Metric
- Socket Set, Torx® Bit
- Torque Wrench
- Tire Changing and Balancing Equipment
- Platform Jack, Motorcycle

## IMPORTANT

Your accessory kit is exclusively designed for your vehicle. Please read the installation instructions thoroughly before beginning. Installation is easier if the vehicle is clean and free of debris. For your safety, and to ensure a satisfactory installation, perform all installation steps correctly in the sequence shown.

## INSTALLATION INSTRUCTIONS

### VEHICLE PREPARATION

#### GENERAL

1. Turn key or ignition switch to OFF position and remove key.
2. Ensure motorcycle is parked on a flat surface, kickstand is fully extended, and vehicle is stable prior to installation.

### FRONT WHEEL PREPARATION

#### FRONT CALIPER REMOVAL

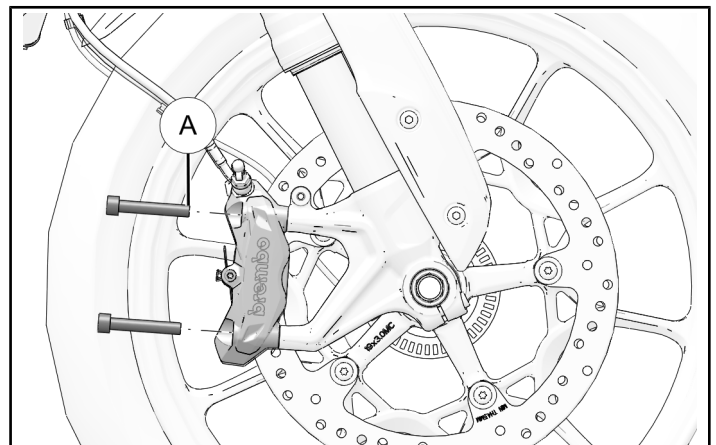
#### CAUTION

Do not twist brake hose or brake line. Do not allow calipers to hang from brake hose. Secure calipers in such a way to avoid hose damage.

#### IMPORTANT

Do not operate front brake lever with calipers or wheel removed.

1. Remove front caliper mounting fasteners (A) and remove caliper.

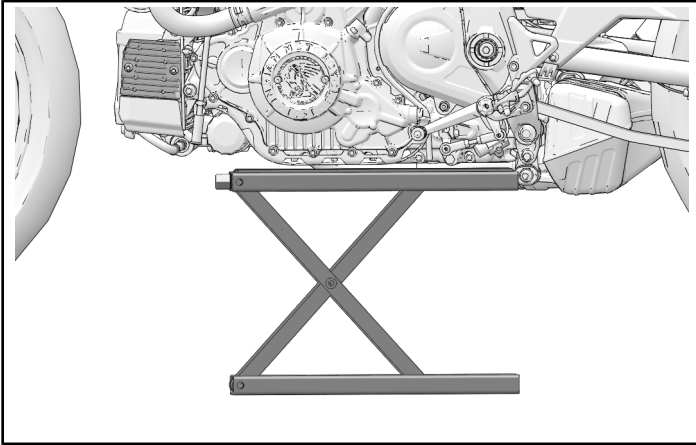


2. Repeat this section for opposite side.

## FRONT WHEEL REMOVAL

### **⚠ WARNING**

**This procedure requires raising and supporting motorcycle so front wheel is off ground. Precautions should be taken to ensure motorcycle is properly stabilized at all times. Failure to properly support motorcycle may result in personal injury or damage to motorcycle.**

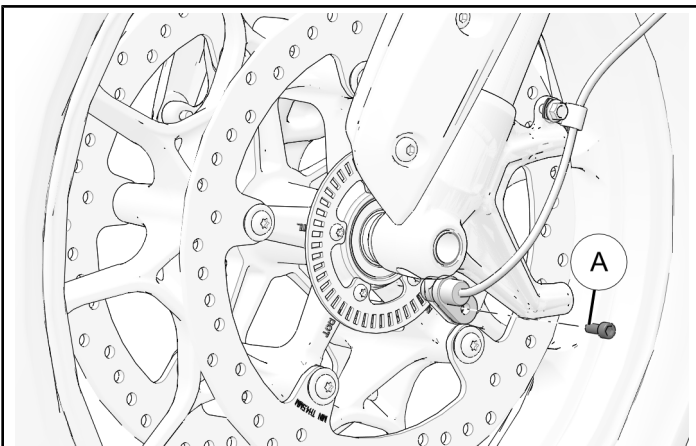


1. Secure motorcycle in an upright position with tie-down straps and platform jack positioned beneath engine cases.

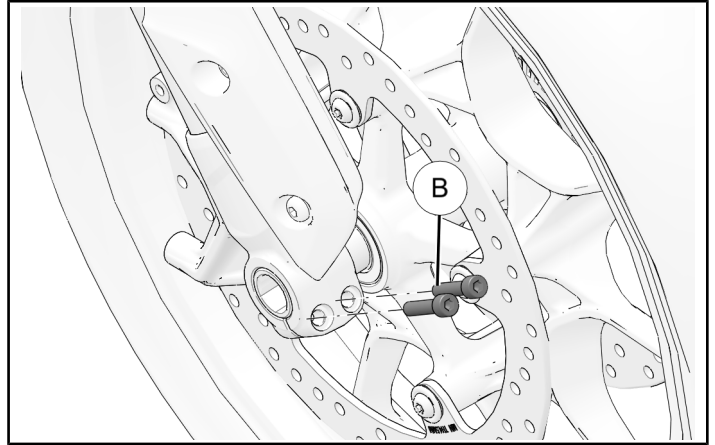
### **IMPORTANT**

**Do not operate front brake lever with calipers or wheel removed.**

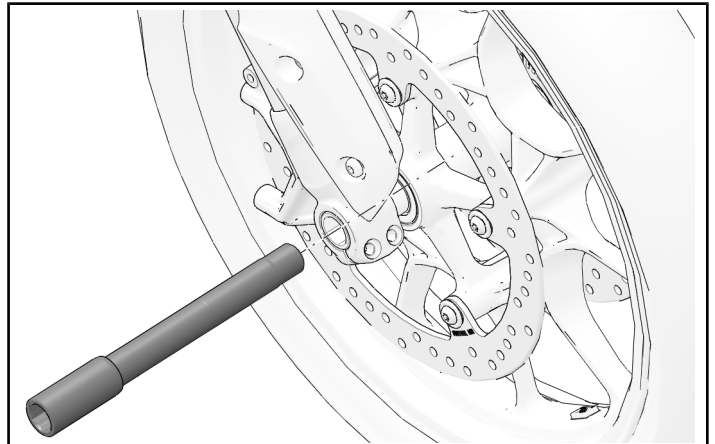
2. Remove speed sensor mounting bolt (A) and speed sensor.



3. Loosen axle pinch bolts (B) on lower right fork leg.

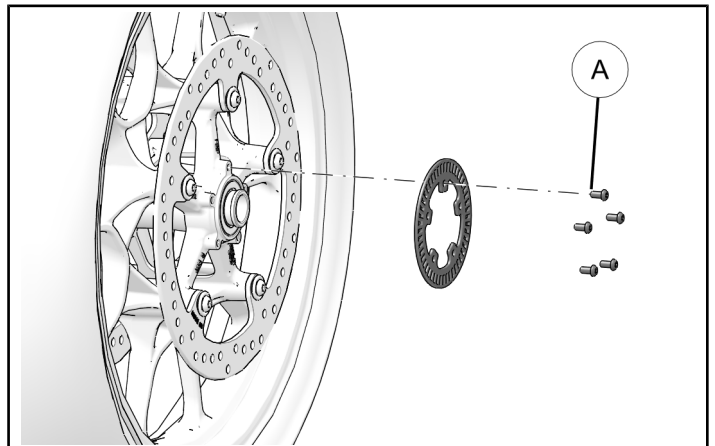


4. Support wheel and remove axle. Spacer is loosely retained by dust seals, but may fall out after wheel has been removed.

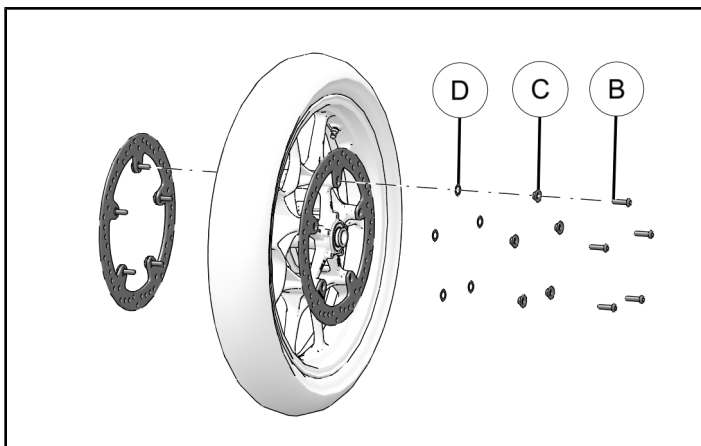


## FRONT BRAKE DISC REMOVAL

1. Position wheel with brake disc facing up.
2. Remove and retain five ABS ring tone fasteners (A) to remove ABS tone ring.



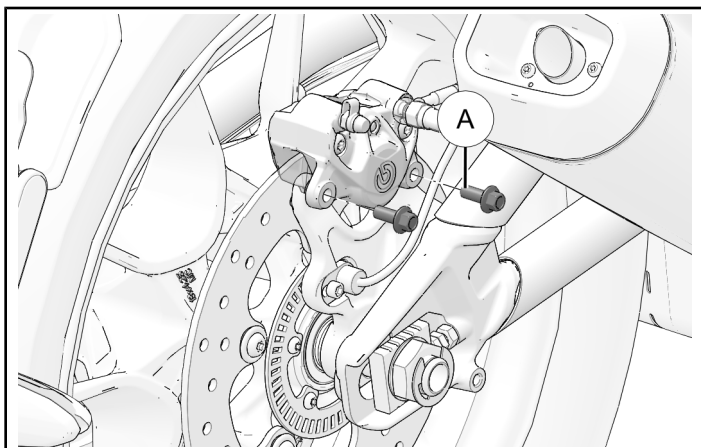
- Remove and discard five brake disc fasteners **(B)** to remove each brake disc. Retain five rotor bushings **(C)** and five rotor washers **(D)** for each brake disc.



## REAR WHEEL PREPARATION

### REAR CALIPER REMOVAL

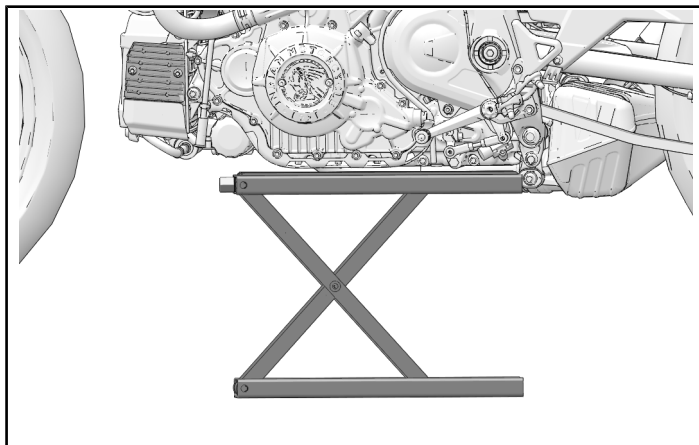
- Remove caliper fasteners **(A)** to remove caliper from mounting bracket.



### REAR WHEEL REMOVAL

#### **⚠ WARNING**

**This procedure requires raising and supporting motorcycle so rear wheel is off ground. Precautions should be taken to ensure motorcycle is properly stabilized at all times. Failure to properly support motorcycle may result in personal injury or damage to motorcycle.**



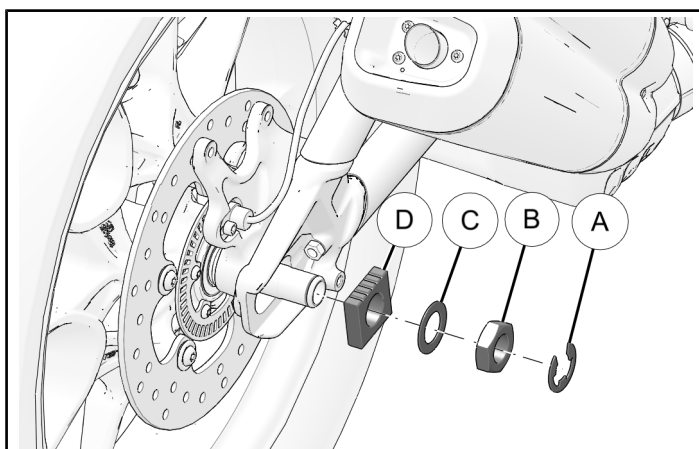
#### **⚠ WARNING**

**Ensure motorcycle exhaust components have cooled to room temperature before attempting procedure.**

- Place motorcycle in upright position on lift table. Clamp front wheel in wheel vise.
- Position platform jack beneath engine cases and raise until rear tire is barely in contact with ground.
- Remove E-clip **(A)**, rear axle nut **(B)**, washer **(C)** and axle plate adjuster **(D)** from RH side of swingarm.

#### **NOTICE**

**Make note of alignment marks of swingarm with axle plate adjuster **(D)**.**

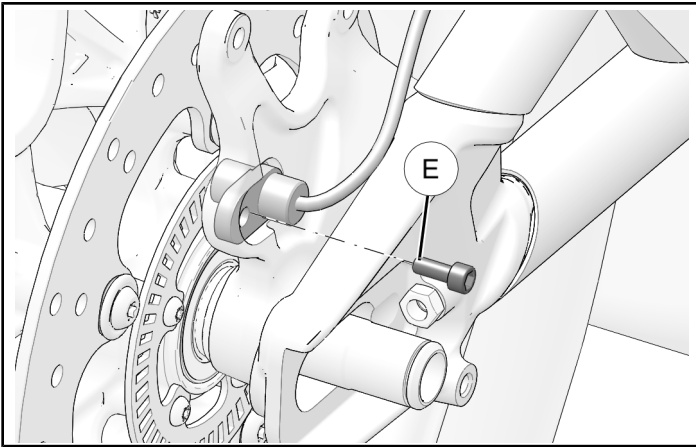


- Push wheel forward and slide drive chain to the LEFT side off of rear sprocket.

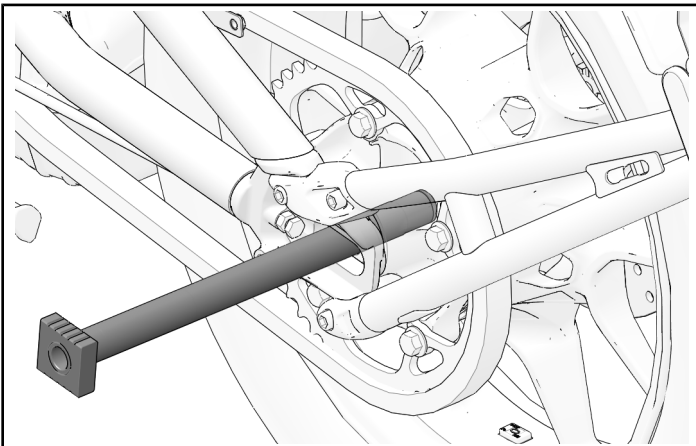
5. Move wheel rearward to gain access to remove wheel speed sensor mounting bolt (E) and sensor .

**NOTICE**

Note number of washers between sensor and bracket for reinstallation.

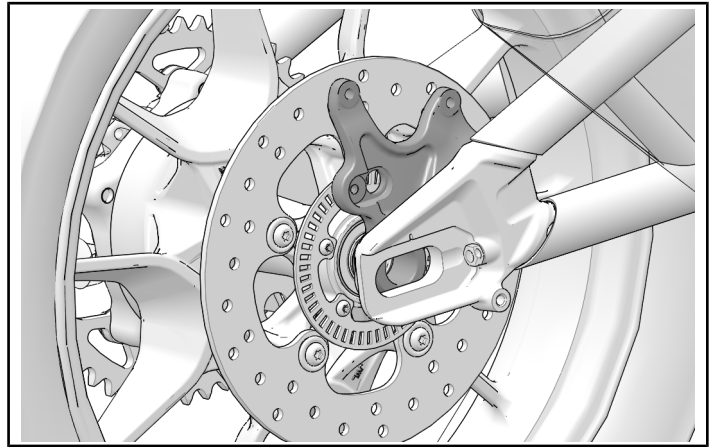


6. Loosely install nut onto axle and tap nut to start pushing axle out other side. Remove nut, slightly lift wheel and remove axle from swingarm.



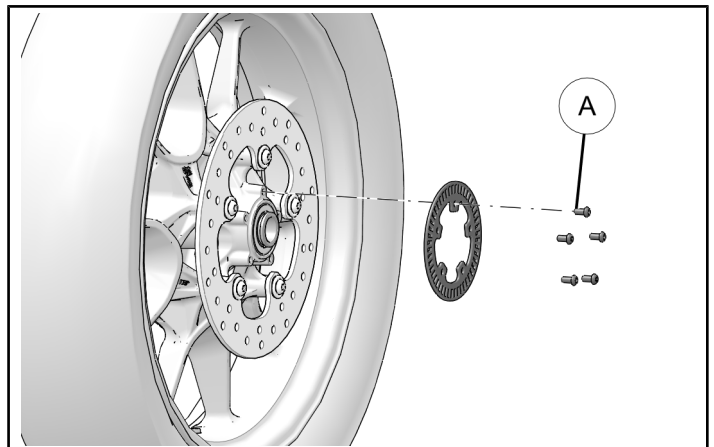
7. Remove rear wheel assembly by sliding it to rear of motorcycle.

8. Upon rear wheel removal, remove torque bracket from notch in swingarm.

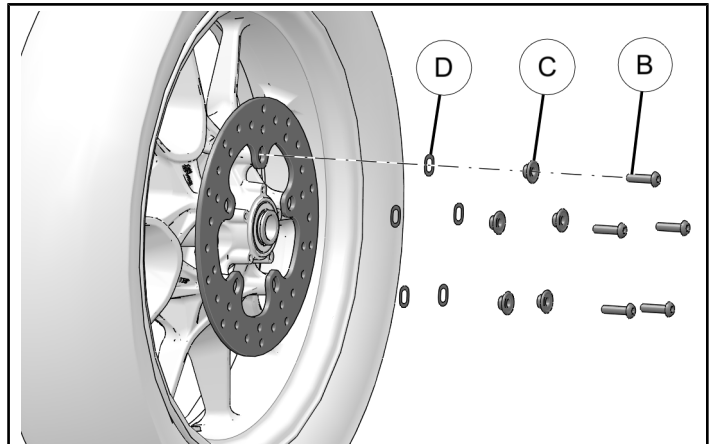


**REAR BRAKE DISC REMOVAL**

1. Position wheel with brake disc facing up.
2. Remove and retain five ABS ring tone fasteners (A) to remove ABS tone ring.

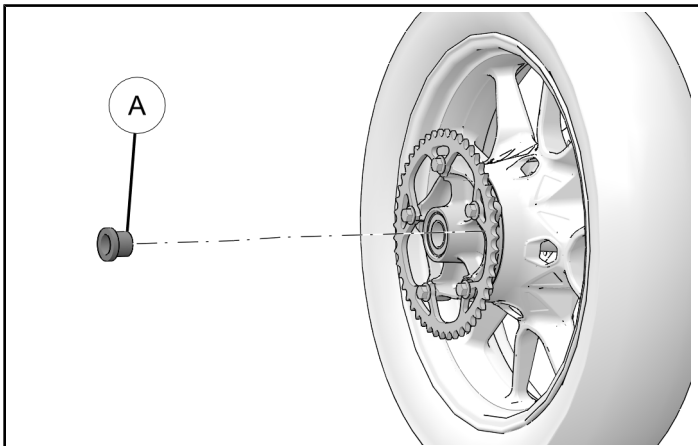


3. Remove and discard five brake disc fasteners (B) to remove brake disc. Retain five rotor bushings (C) and five rotor washers (D).

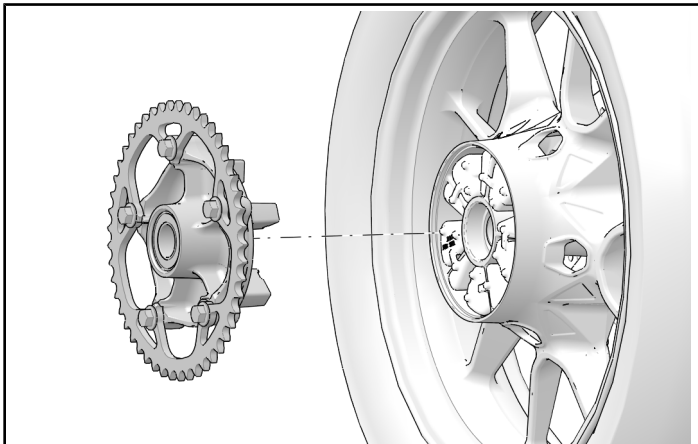


## DRIVEN SPROCKET REMOVAL

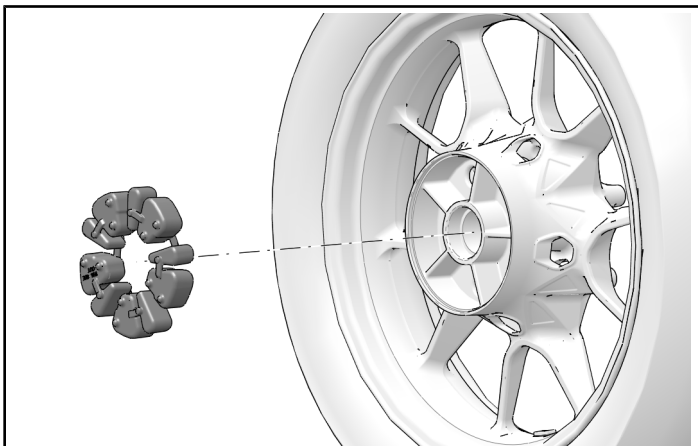
1. Remove and retain LH wheel spacer from driven sprocket roller bearing.



2. Lift driven sprocket assembly off drive damper.



3. Remove drive damper from wheel.



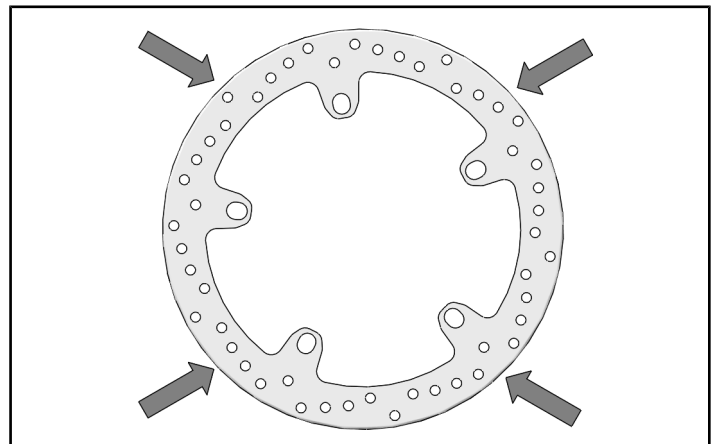
## BRAKE DISC INSPECTION

ITEM	STANDARD	SERVICE LIMIT
Brake Disc Thickness, Front	5.0 mm	4.5 mm (.177 in.) Minimum
Brake Disc Thickness, Rear	5.0 mm	4.5 mm (.177 in.) Minimum
Brake Disc Runout	-	.30 mm (.012 in.) Maximum
Brake Pad Wear Limit (Front and Rear)	-	When wear limit groove is no longer visible.

1. Visually inspect brake disc for cracks or damage.
2. Measure brake disc thickness (in marked locations around disc) and along wear surface with a micrometer. Compare to specifications above.

### IMPORTANT

Replace brake disc if any measurement is worn beyond service limit



3. With disc mounted to wheel, inspect for brake disc runout / warpage with a dial indicator. Compare to specifications above.

### NOTE

Runout should be measured 2-4mm in from outside edge of brake disc.

4. Replace brake disc if dial indicator reading displays excessive brake disc runout and other possible causes have been eliminated.

## ACCESSORY INSTALLATION

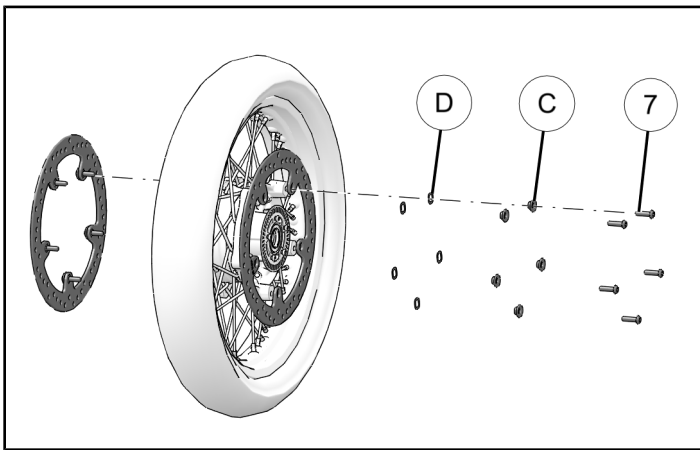
### TIRE MOUNTING AND BALANCING

#### NOTE

Detailed instructions for tire removal and installation can be found in the appropriate Indian® Service Manual.

### FRONT BRAKE DISC INSTALLATION

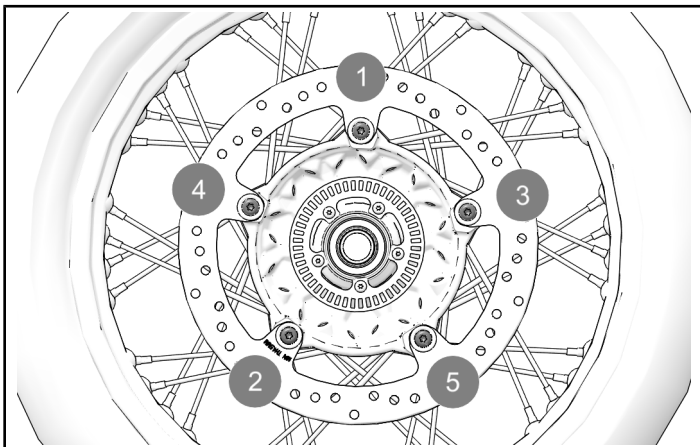
1. Install each front brake disc with five new disc fasteners ⑦, five retained rotor bushings ③, and five retained rotor washers ④. Ensure rotor markings are facing outward when installed. Rotor must be installed on same side as it was removed from.



2. Torque brake disc fasteners to specification in star pattern.

#### TORQUE

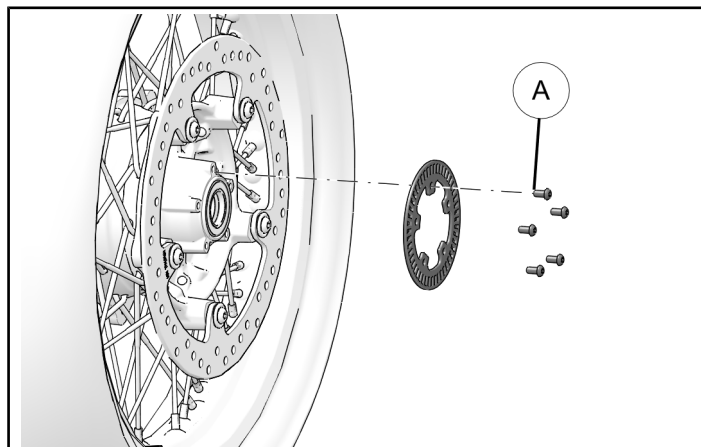
Brake Disc Fasteners:  
**22 ft-lbs (30 N·m)**



3. Install ABS tone ring with five retained fasteners ①.

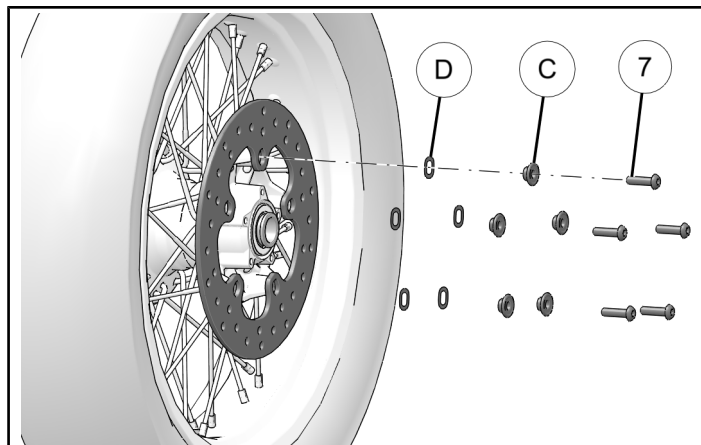
#### TORQUE

ABS Tone Ring Fasteners:  
**84 in-lbs (9 N·m)**



### REAR BRAKE DISC INSTALLATION

1. Install rear brake disc with five new disc fasteners ⑦, five retained rotor bushings ③, and five retained rotor washers ④. Ensure rotor markings are facing outward when installed.

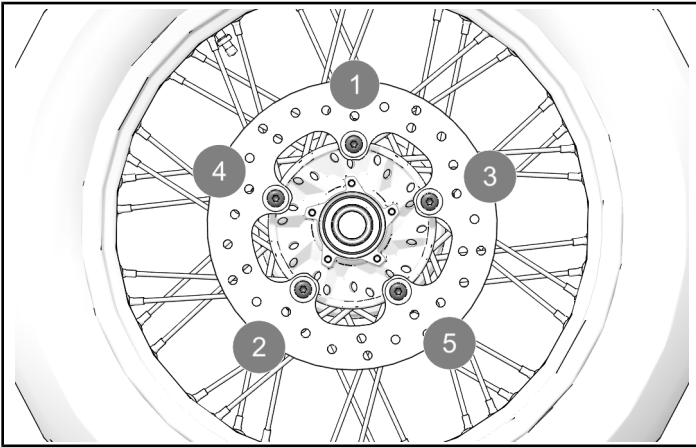




2. Torque brake disc fasteners to specification in star pattern.

#### TORQUE

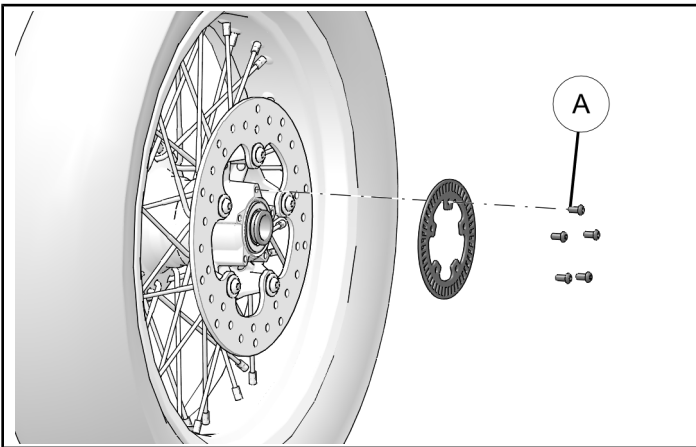
Brake Disc Fasteners:  
**22 ft-lbs (30 N·m)**



3. Install ABS tone ring with five retained fasteners **(A)**.

#### TORQUE

ABS Tone Ring Fasteners:  
**84 in-lbs (9 N·m)**



## VEHICLE REASSEMBLY

#### NOTE

Stock wheel shown; accessory wheel similar.

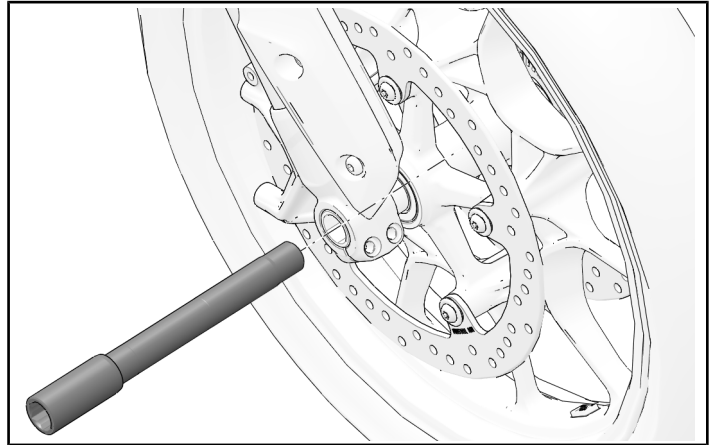
### FRONT WHEEL REASSEMBLY

#### FRONT WHEEL INSTALLATION

1. Install front wheel and spacers into fork.
2. Install the axle and torque to specification.

#### TORQUE

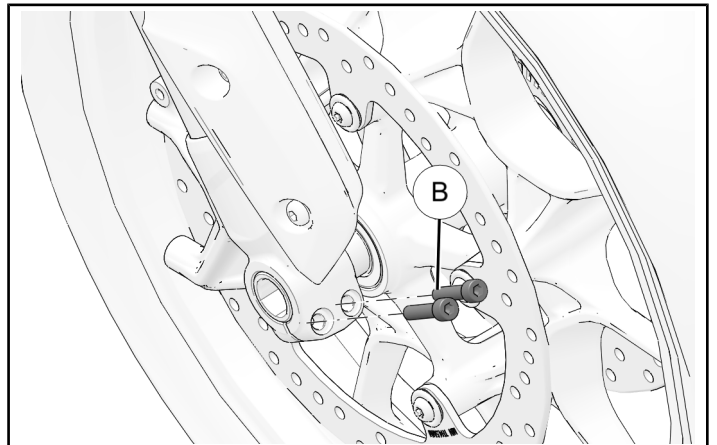
Axle (front fork):  
**55 ft-lbs (75 N·m)**



3. Cycle front suspension. Tighten axle pinch bolts **(B)** to specification.

#### TORQUE

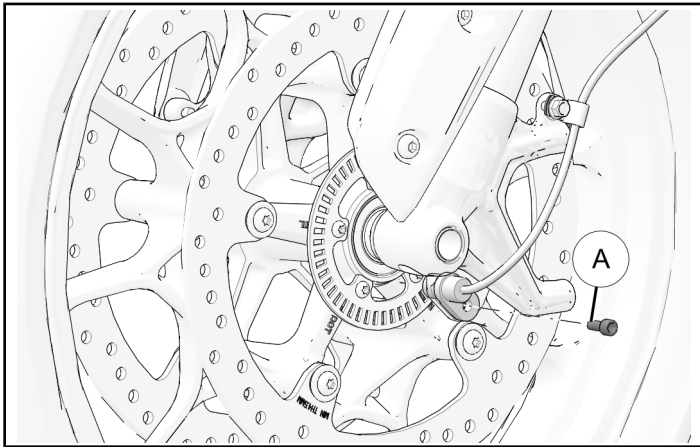
Axle Pinch Fasteners:  
**14 ft-lbs (19 N·m)**  
**Tighten each screw once after initial torque**



4. Install front wheel speed sensor with fastener (A).

**TORQUE**

Speed Sensor Fastener:  
**88 in-lbs (10 N·m)**



**FRONT CALIPER INSTALLATION**

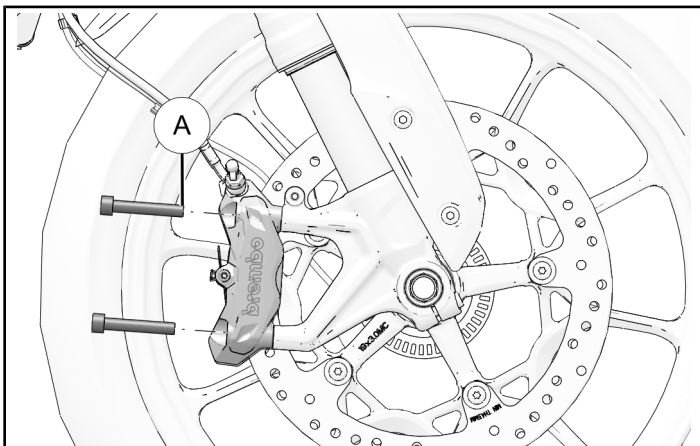
1. Install caliper mounting fasteners and torque to specification.

**TIP**

Ensure proper caliper alignment by lightly applying brake force with brake lever while simultaneously tightening bolts.

**TORQUE**

Caliper Mounting Fasteners (front):  
**32 ft-lbs (43 N·m)**

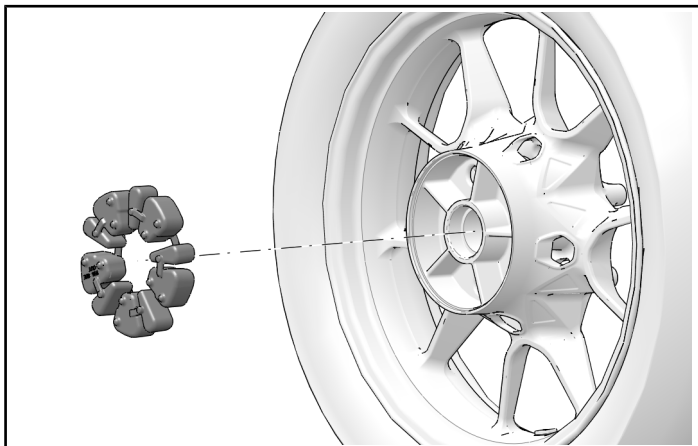


2. Repeat this section for opposite side.

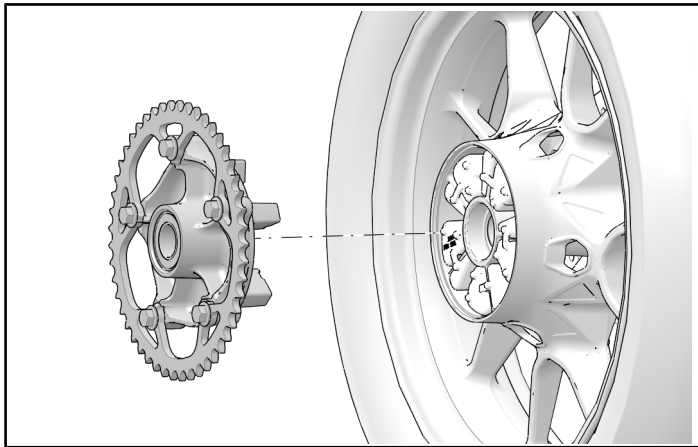
**REAR WHEEL REASSEMBLY**

**DRIVEN SPROCKET INSTALLATION**

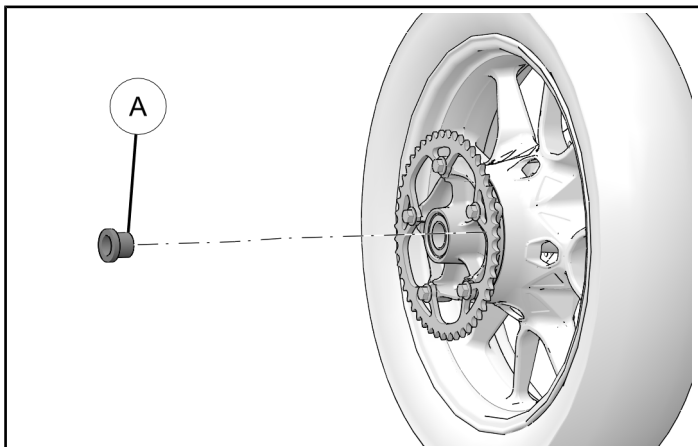
1. Install rear dive damper on rear wheel.



2. Install sprocket assembly onto wheel hub. Ensure cushion damper is properly engages with sprocket assembly.

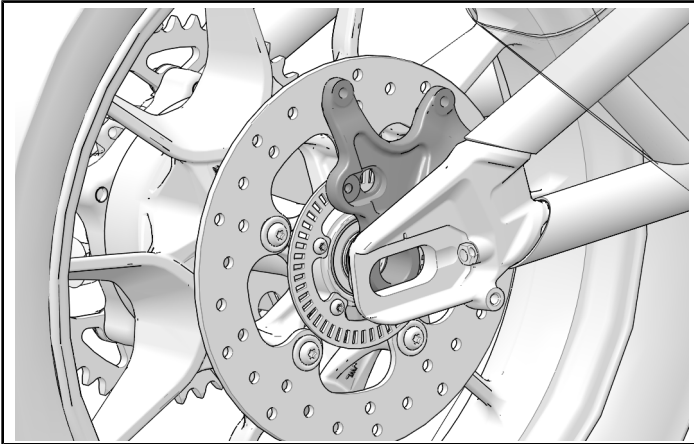


3. Install LH wheel spacer into sprocket roller bearing

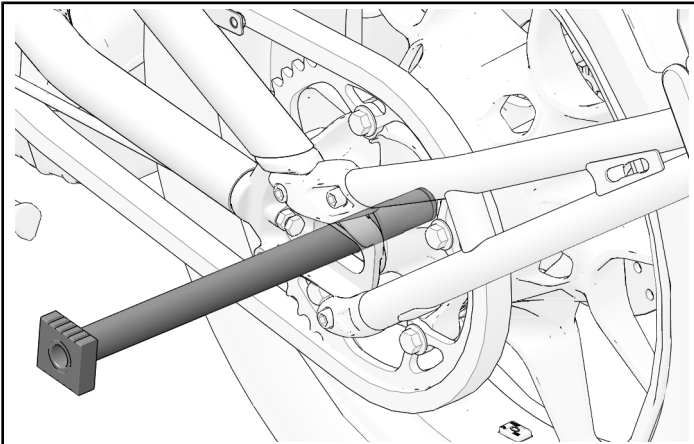


## REAR WHEEL INSTALLATION

1. While installing rear wheel, simultaneously slide torque bracket into notch in swingarm.



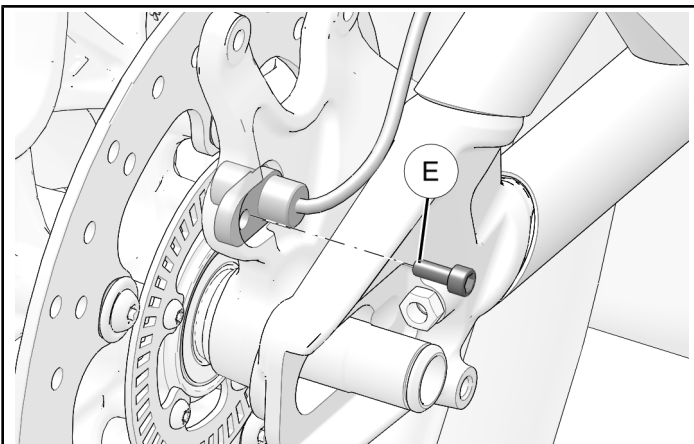
2. Pass axle ⑨ through swingarm and rear wheel.



3. Move wheel rearward to gain access to install wheel speed sensor mounting bolt ⑤ and sensor.

### TORQUE

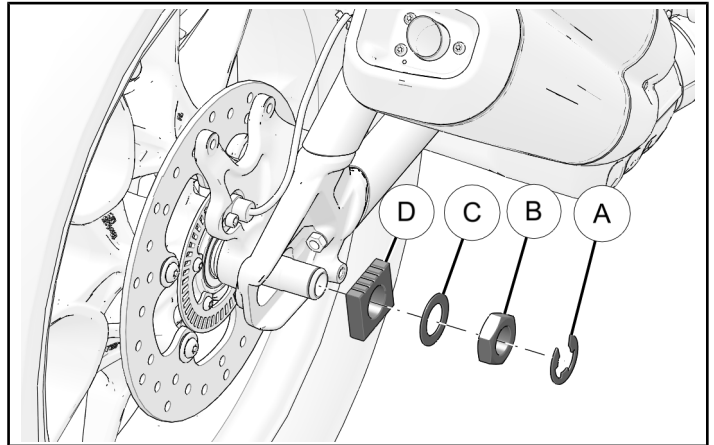
Speed Sensor Fastener:  
**88 in-lbs (10 N·m)**



4. Install E-clip ④, rear axle nut ⑤, washer ⑥ and axle plate adjuster ⑦ onto axel.

### TORQUE

Axle Nut (rear):  
**88 ft-lbs (119 N·m)**

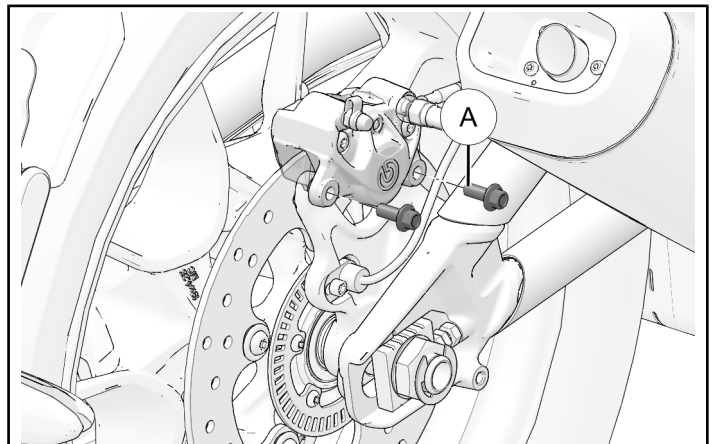


## REAR CALIPER INSTALLATION

1. Install caliper to bracket and torque caliper fasteners to specification.

### TORQUE

Caliper Mounting Fasteners (rear):  
**18 ft-lbs (24 N·m)**



## FEEDBACK FORM

A feedback form has been created for the installer to provide any comments, questions or concerns about the installation instructions. The form is viewable on mobile devices by scanning the QR code or by clicking [HERE](#) if viewing on a PC.

