

FRONT WHEEL KIT



P/N 2882759

APPLICATION

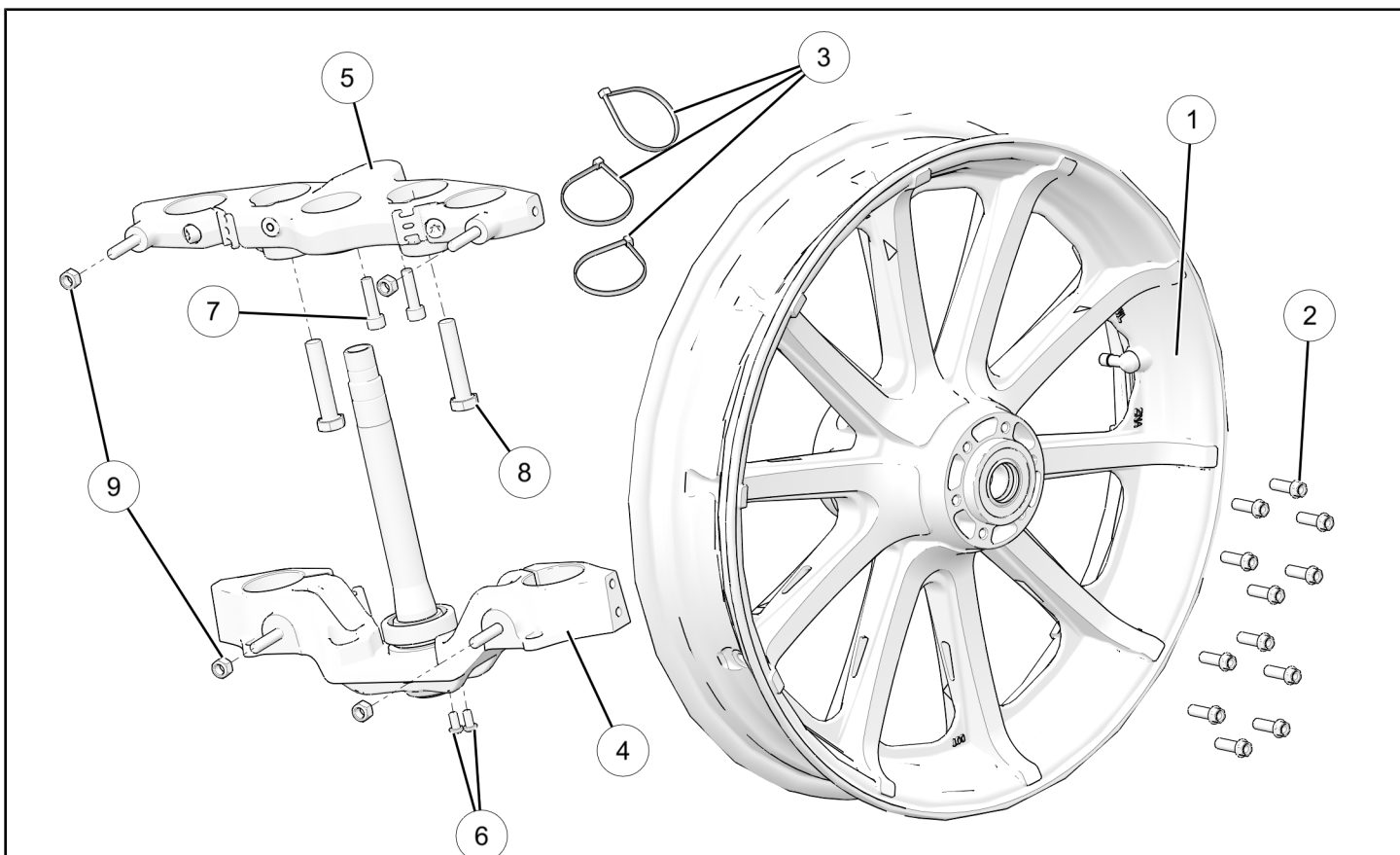
2014-2017: Indian® Chieftain®, Indian® Roadmaster®. **2017:** Indian® Roadmaster® Classic

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

This Kit includes:



REF	QTY	PART DESCRIPTION	PART NUMBER
1	1	Wheel, Front, 19 X 3.5, Cast	1523059
2	12	Screw, Hex Flange Head, M8 X 25, Rotor Bolt	7518661
3	3	Cable ties	7080138
4	1	Triple, Lower Clamp, Assembly	1824691
5	1	Triple, Upper Clamp, Assembly	1824716
6	2	Screw, Torx® Bit Head, M6 X 1.0 X 12	7519063
7	2	Screw, Socket Head, M8 X 1.25 X 30	7519232
8	2	Screw, Hex Head, M12 X 1.75 X 60	7519935

REF	QTY	PART DESCRIPTION	PART NUMBER
9	4	Nut, Nylon Locking, M8 X 1.25	7547144
	1	Instructions	9927923

TOOLS REQUIRED

- Safety Glasses
- Platform Jack, Motorcycle
- Socket Set, Hex Bit, Metric
- Socket Set, Metric
- Socket Set, Torx® Bit
- Spanner Wrench
- Torque Wrench
- Tire Changing and Balancing Equipment
- Appropriate Service Manual

CONSUMABLES REQUIRED

- Grease, Polaris All Season (PN 2871423 or equivalent)

IMPORTANT

Your Indian Front Wheel 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.

ASSEMBLY TIME

Approximately 3 hours

INSTALLATION INSTRUCTIONS

NOTE

Due to the technical nature of this kit, Polaris insists that this installation be performed by a certified Indian Motorcycle Technician.

⚠ WARNING

Front wheel removal involves supporting machine with front end elevated. Take precautions to ensure motorcycle is securely supported when front tire is off the ground. Severe personal injury or death can occur if motorcycle tips or falls.

⚠ WARNING

Ensure engine and exhaust systems have cooled to room temperature before installation.

⚠ WARNING

Replacement of OEM tires or replacement with differently constructed tires may produce different handling characteristics than original tires. When new tires are installed they should not be subjected to maximum power or hard cornering until a reasonable "scrub" period of approximately 100 miles has been covered. This will permit rider to become accustomed to "feel" of new tires or tire combination, and achieve optimum road grip. Inspect and adjust tire inflation pressure after tire cools down for at least three hours following "run-in".

WHEEL REMOVAL

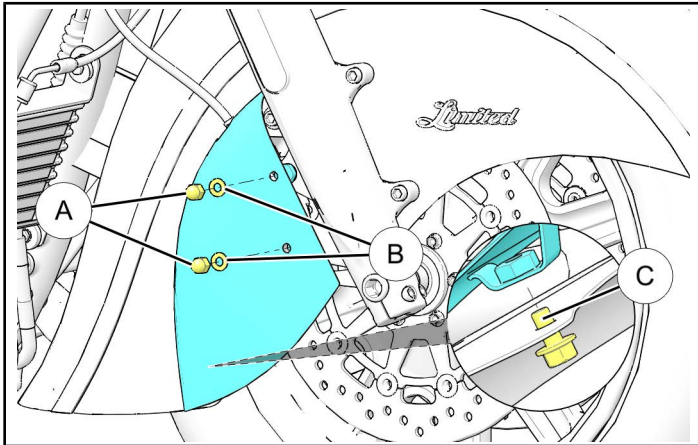
1. Turn ignition switch to “STOP” position and remove key fob from vehicle proximity.
2. Ensure motorcycle is parked on a flat surface, kickstand is fully extended, and vehicle is stable and secure prior to installation.
3. Elevate and secure front of motorcycle as per Indian Service Manual.

CAUTION

CALIFORNIA MODELS: Remove charcoal canister prior to raising motorcycle wheels off ground to prevent damage to canister hose fittings.

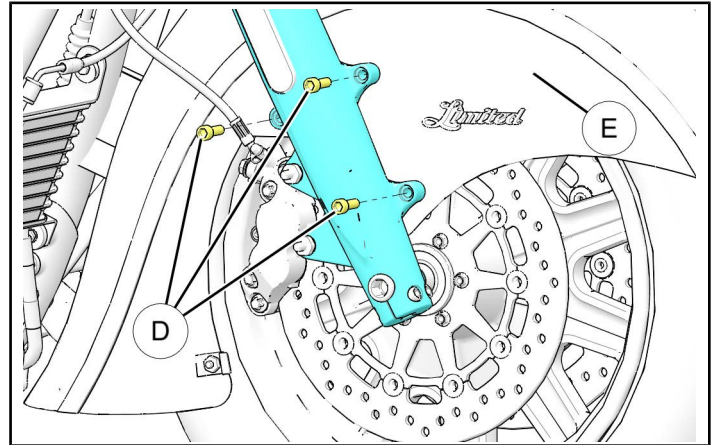
4. Remove the front fender

- a. **Remove caliper cover (If equipped):** On right side of front fender, remove two acorn nuts (A) and washers (B). Remove bolt (C) from under caliper cover and remove caliper cover. Repeat procedure for left side of front fender.

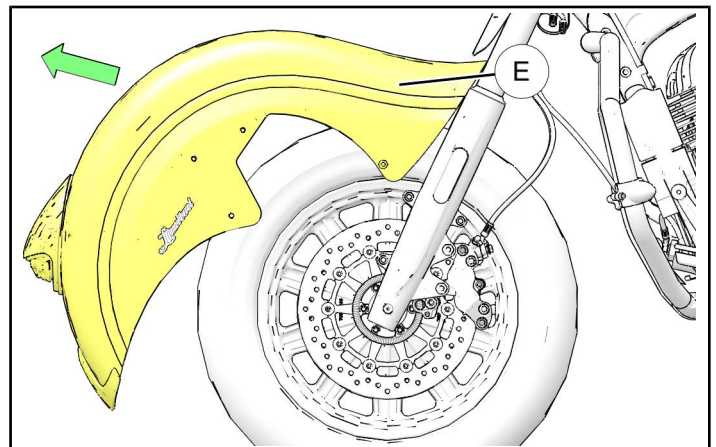
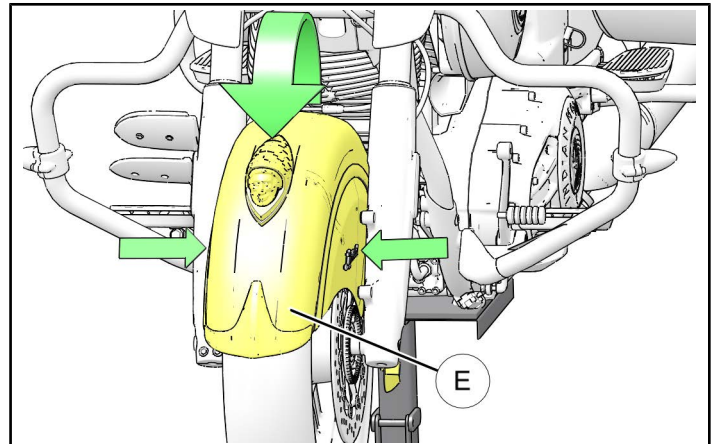


- b. Locate and remove cable ties that retain front fender light harness to brake line. (If equipped). Turn handlebar to right-most position to access wiring located in fairing. Disconnect fender light wire harness connector.

- c. Remove three screws (D) on each side of front fender (E). Retain screws for reassembly.



- d. Stand in front of motorcycle facing front fender (E). Squeeze sides together while “rolling” fender out from fork legs.



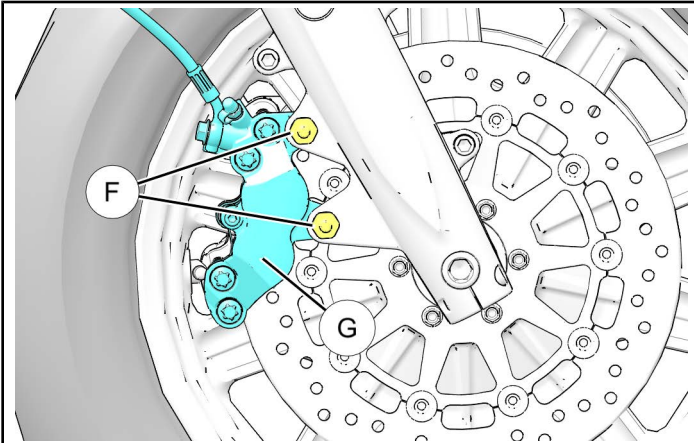
- Remove two brake caliper studs (F) from each front caliper (G) and safely hang both front calipers.

CAUTION

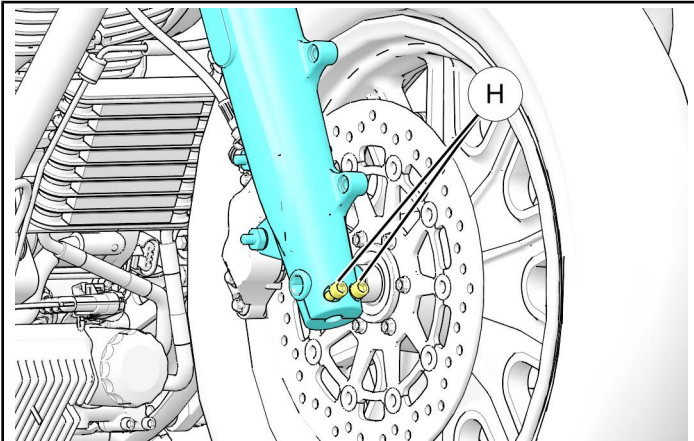
Do not hang front brake calipers from brake lines.
Do not twist brake lines or damage may result.

NOTE

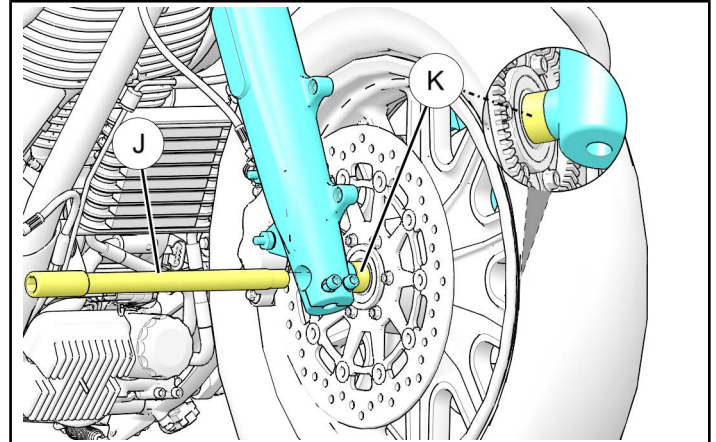
Do not apply front brake lever after brake calipers have been removed.



- Loosen axle pinch bolts (H) on lower right fork leg.



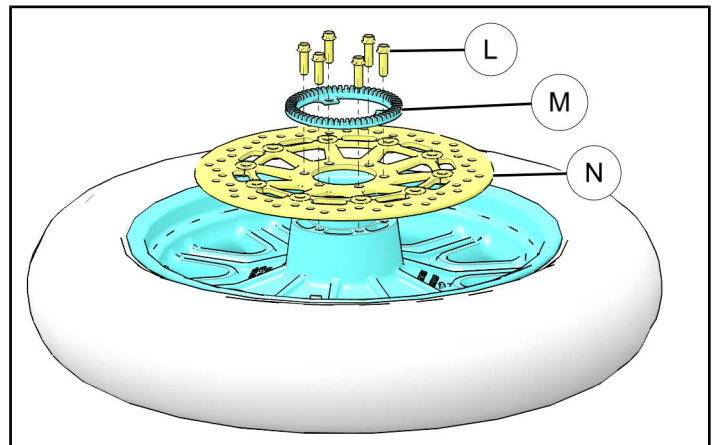
- Support wheel and remove axle (J). Be prepared to catch spacers (K) on each side of wheel and remove wheel from front fork.



CAUTION

Protect brake disc surface when working on wheel.

- Lay cloth down to protect brake disc surface. Position wheel with one brake disc facing up. Remove six brake disc screws (L) and discard. Remove ABS tone ring (M) and brake disc (N). Inspect parts for damage and wear. Retain parts for reassembly.



- Flip wheel to opposite side and repeat step 8.
- If equipped with Tire Pressure Monitoring System:** Using pneumatic, electric, or manually operated rim-clamp type tire machine, separate front tire from wheel. Remove TPMS sensor and transfer to new wheel. (Refer to Indian Service Manual for instructions.)

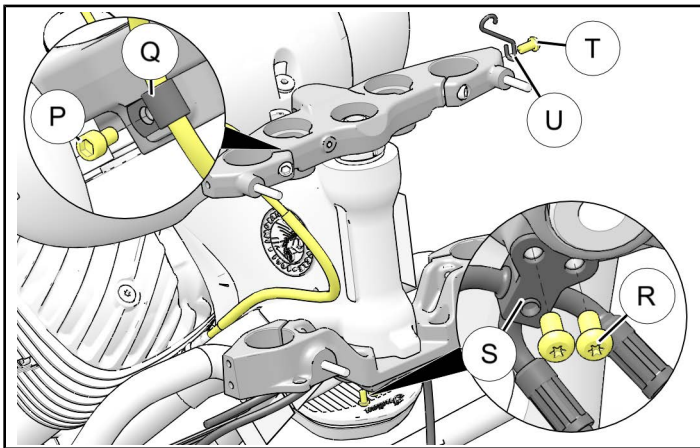
TORQUE

TPMS Sensor Fastener: 44 in. lbs (5 Nm)

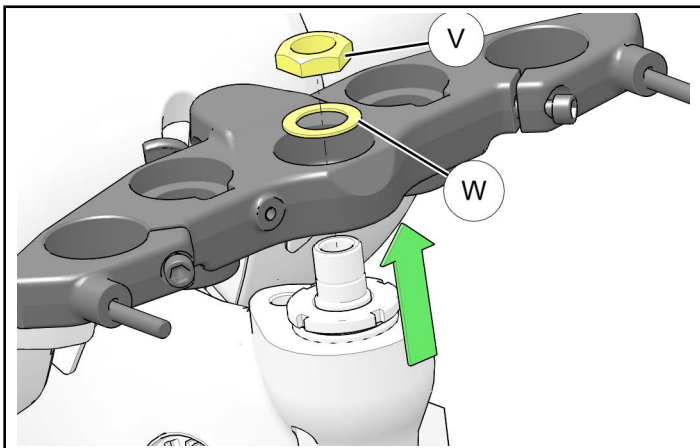
TRIPLE CLAMP REMOVAL AND INSTALLATION

Removal

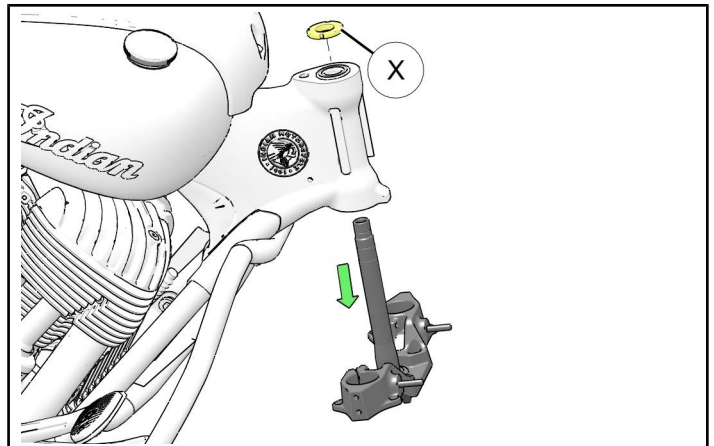
1. Remove front fairing as per service manual. Discard lock nuts.
2. Remove handlebar/riser assembly and fork tubes as per service manual. Discard riser screws.
3. Remove and retain screw (P) and upper brake line guide (Q) from upper triple clamp and two screws (R) and lower brake line guide (S) from lower triple clamp. Remove and retain screw (T) and clutch cable guide (U) from upper triple clamp.



4. Remove and retain center nut (V) and washer (W). Remove upper triple clamp.



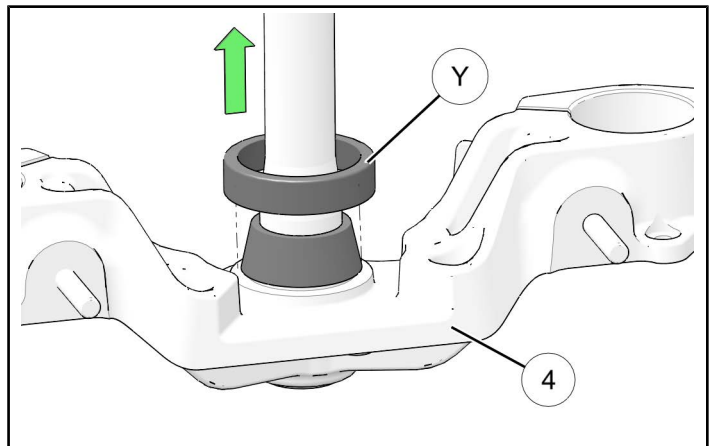
5. Remove and retain stem adjuster nut (X) with a suitable spanner socket or wrench and remove lower triple. (Outer race will remain in head tube.)



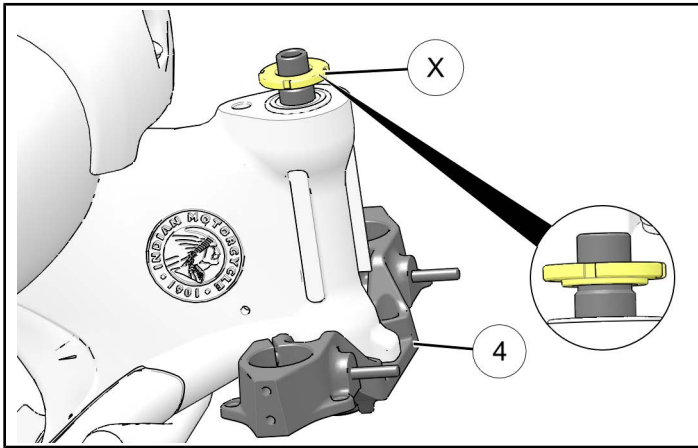
6. Inspect top bearing races for pitting, dents, worn surface, notches, and worn or damaged seals. Replace bearing and race as a set if they are worn or damaged.

Installation

1. Lower triple clamp assembly (4) has lower bearing pre-assembled and pressed onto shaft. However, outer bearing race (Y) is to be reused if condition is good. If retaining female portion in frame, remove female portion (Y) from lower triple clamp assembly (4) before installation.



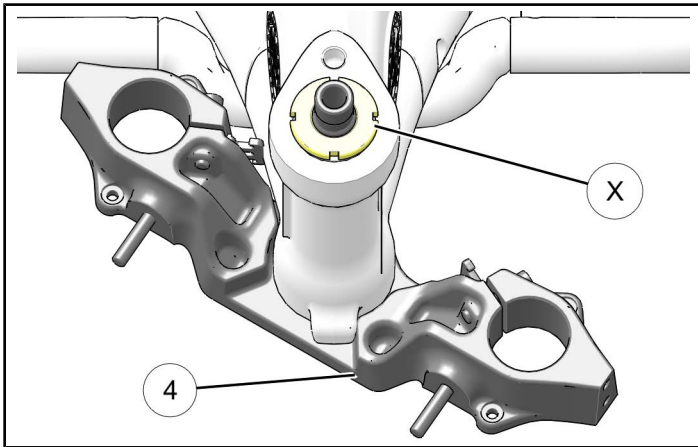
2. Apply all-purpose grease (Polaris PN 2874123) to bearing and install lower triple clamp/stem ④ into frame. Install retained stem adjuster nut ⑩ (shoulder side down) onto steering stem and tighten finger-tight.



3. Turn lower triple clamp assembly ④ fully to the right. Torque stem adjuster nut ⑩ to specification.

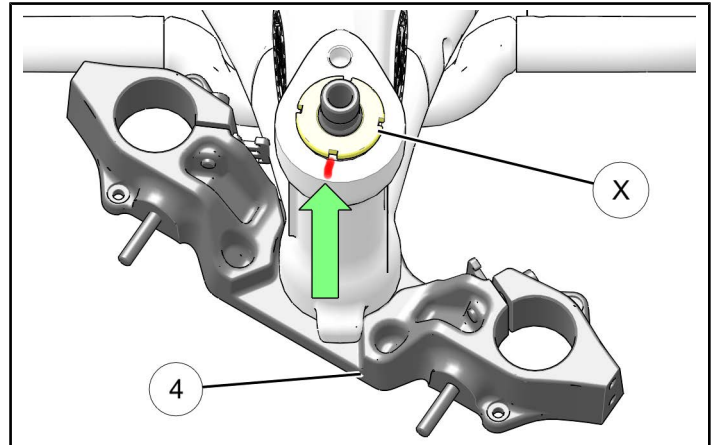
TORQUE

29 ft. lbs. (39 Nm)



4. Turn lower triple clamp ④ lock to lock five times and return to full right position.

5. Place mark on frame in alignment with single slot on stem adjuster nut ⑩.

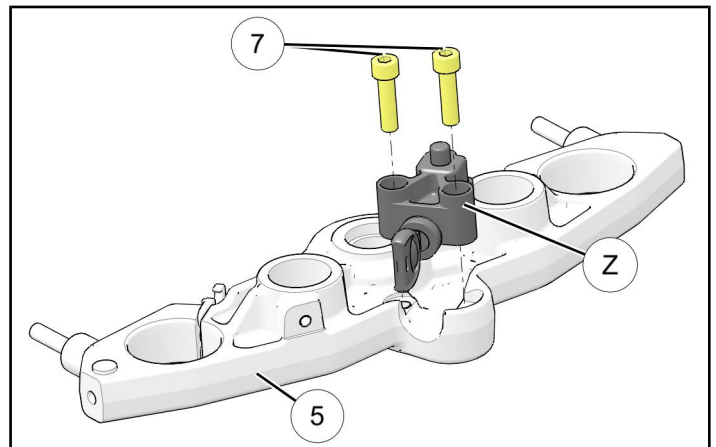


6. Loosen adjuster nut 90° (¼ turn) so reference mark is aligned with next slot on stem adjuster nut ⑩.

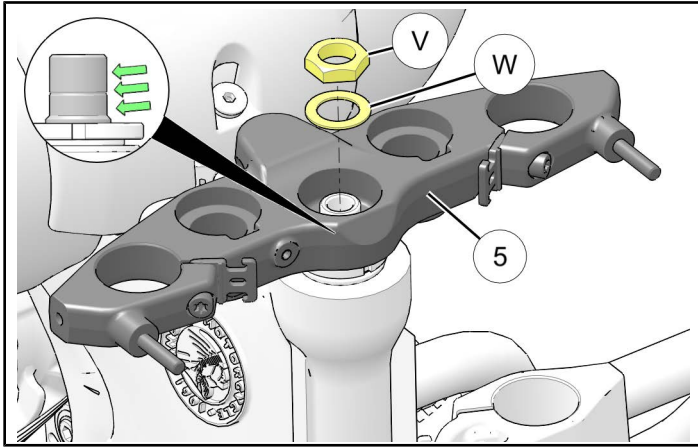
7. Remove fork lock ② from old upper triple clamp, discard old screws. Install on new triple clamp ⑤ using two new screws ⑦. Torque screws to specification.

TORQUE

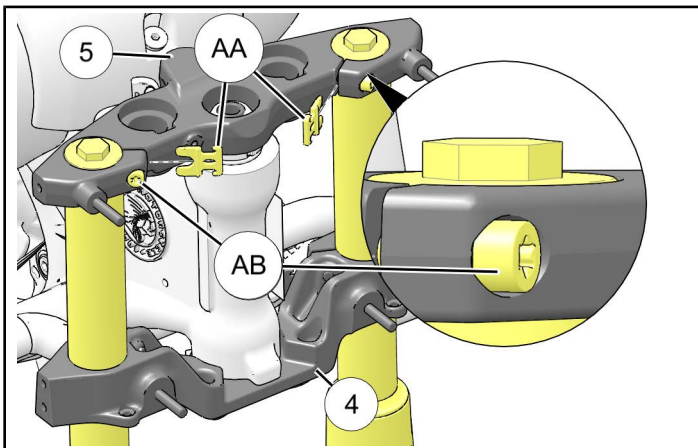
18 ft. lbs. (24 Nm)



8. Apply all purpose grease (Polaris All Season Grease (PN 2871423 or equivalent)) to steering stem threads as shown with arrows. Set upper triple clamp ⑤ in place on stem. Install retained washer ① and nut ② (dome side up) finger tight. **Do not torque nut at this time.**



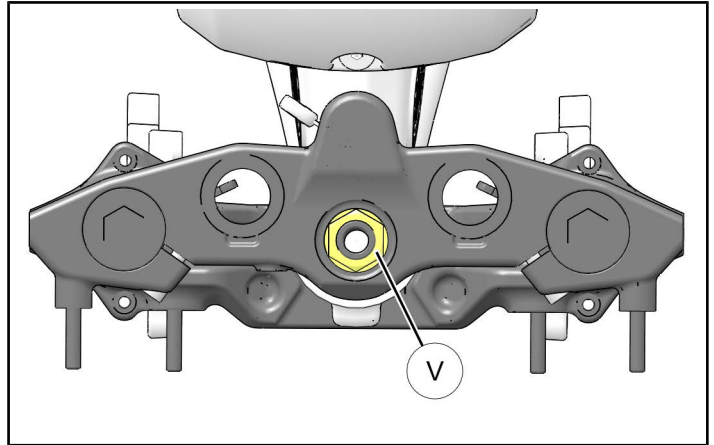
9. Slide fork tubes through lower triple clamp ④ and into upper triple clamp ⑤. Align top edge of fork cap with top edge of upper triple clamp as shown. Remove tabs ① and tighten top triple clamp bolts ② enough to hold tubes in place. **Do not torque lower triple clamp bolts at this time.**



10. Torque top steering stem nut ② to specification.

TORQUE

72 ft. lbs. (98 Nm)

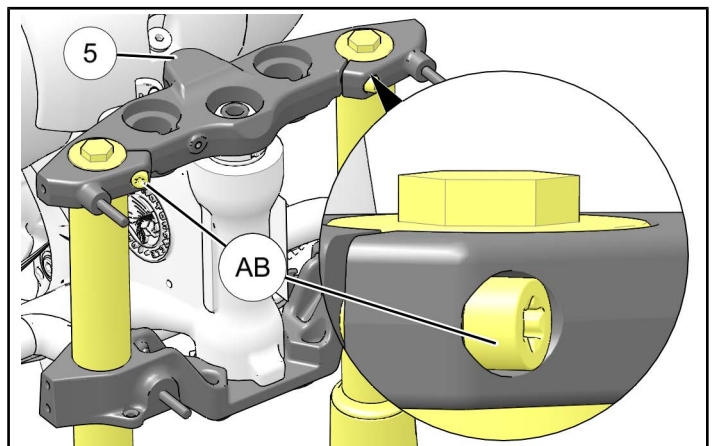


11. **Check steering stem bearings:** Pull firmly on fork tubes with a front-to-rear motion. If movement can be felt in steering bearings, disassemble and go back to step 6. Tighten steering stem adjuster nut ③ an additional 5 degrees and reassemble following steps 8-10. **Repeat this procedure until no play can be felt.**

12. Verify fork tube height in upper triple clamp ⑤. Top of fork cap should be flush with top of upper triple clamp ⑤. Torque upper triple clamp pinch bolts ② to specification.

TORQUE

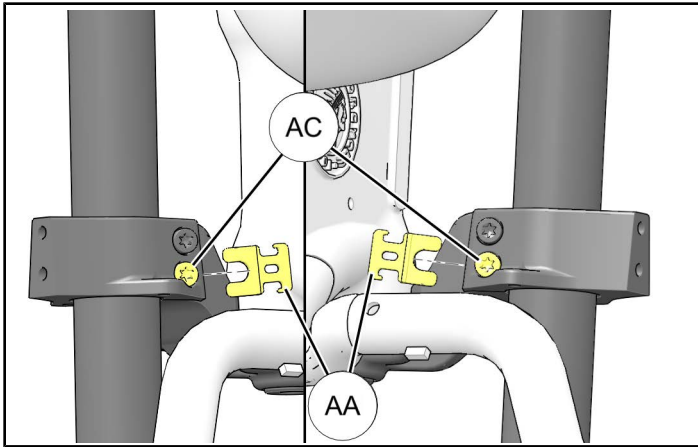
18 ft. lbs. (24 Nm)



13. Remove tabs **AA** and torque lower bolts **AC** on lower triple clamp to specification.

TORQUE

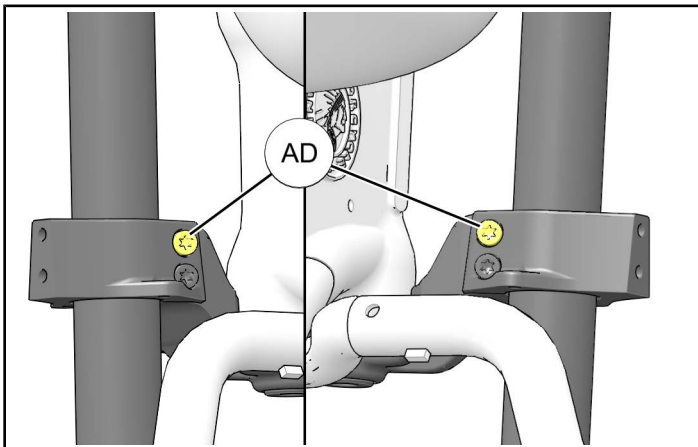
18 ft. lbs. (24 Nm)



14. Torque upper bolts on lower triple clamp to specification.

TORQUE

18 ft. lbs. (24 Nm)



15. Re-torque lower screws **AC**.

TORQUE

18 ft. lbs. (24 Nm)

16. Re-torque upper screws **AD**.

TORQUE

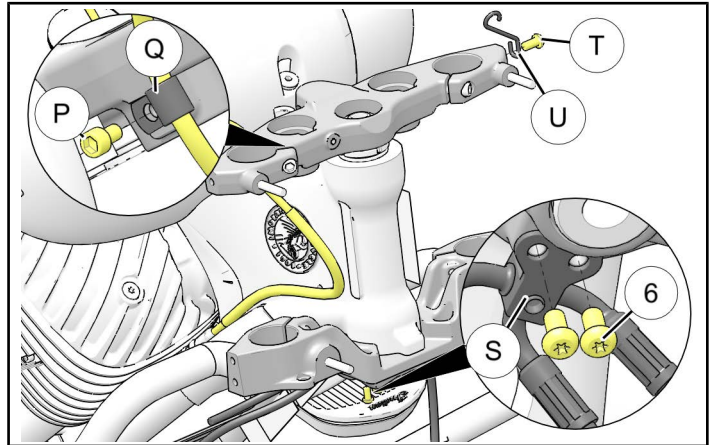
18 ft. lbs. (24 Nm)

17. Reinstall retained screw **P** and upper brake line guide **Q** to upper triple clamp. Install two new screws **6** and lower brake line guide **5** lower triple clamp. Reinstall screw **T** and clutch cable guide **U** to upper triple clamp. Torque all fasteners to specification.

TORQUE

Screws **P** and **6** = 84 in. lbs. (9.5 Nm)

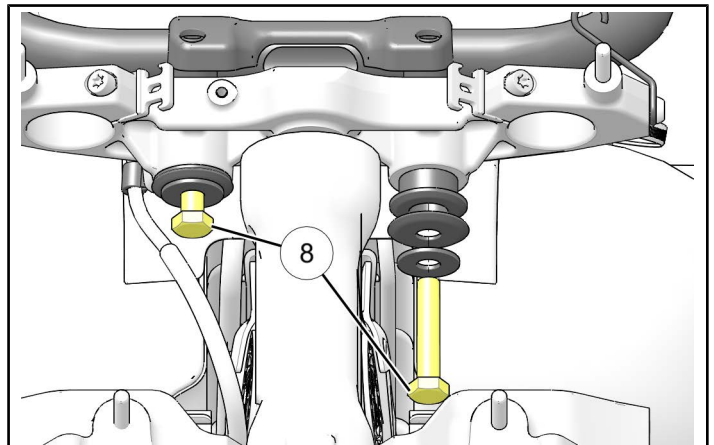
Screw **T** = 18 ft. lbs. (24 Nm)



18. Reinstall handlebar/riser assembly as per service manual. Install with new handlebar riser screws **8** and torque to specification.

TORQUE

60 ft. lbs. (81 Nm)



19. Reinstall front fairing using new lock nuts **9** as per service manual.

WHEEL INSTALLATION

NOTE

Inspect all reused parts for wear or damage before installing and replace if needed. Detailed instructions for inspection are found in appropriate Indian Service Manual.

1. Using a pneumatic, electric, or manually operated rim-clamp type tire machine, mount front tire on new wheel. Balance tire using proper tire balancing equipment.

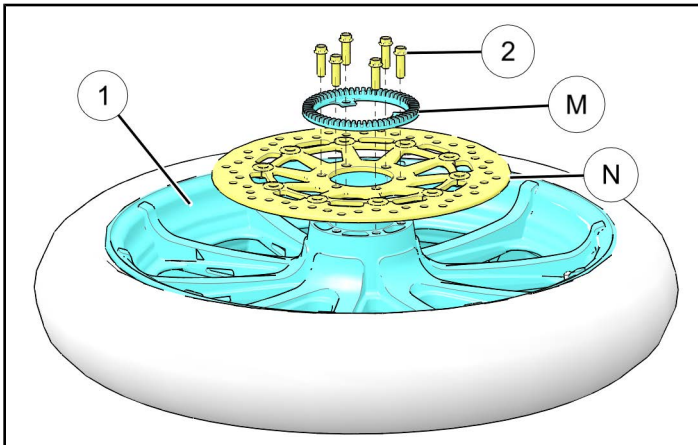
NOTE

If tire is directional, ensure rotation is clockwise on right side of wheel.

2. Starting on left side of wheel, assemble front brake disc **L** to new wheel **1** ensuring rotation arrows are noted and followed. Assemble ABS tone ring **K** to rotor on left side of wheel, and install six new screws **2**. Torque screws to specification in a star pattern.

TORQUE

22 ft. lbs. (30 Nm)

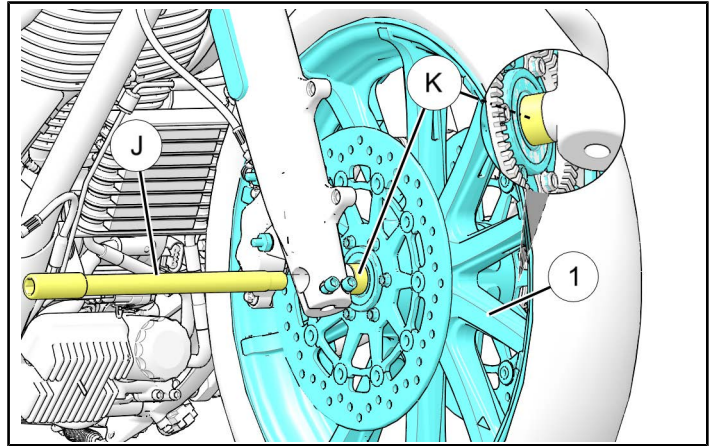


3. Flip wheel to opposite side and repeat **step 2** (without tone ring).

4. Install wheel spacers **K** into new wheel **1** center hub and install into front fork. Install retained front axle **J** and torque axle to specification.

TORQUE

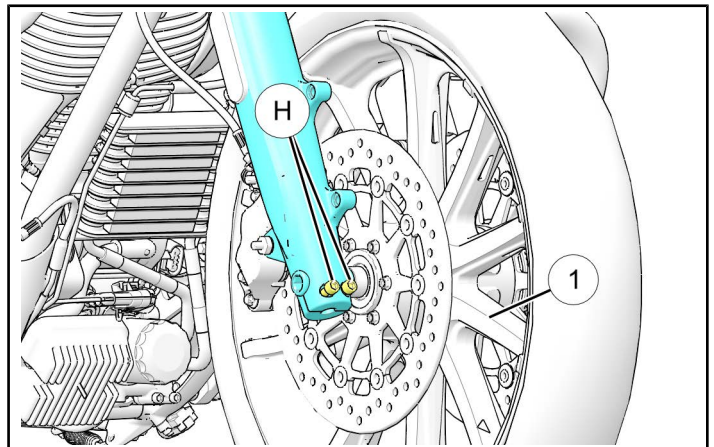
52 ft. lbs. (70 Nm)



5. Cycle front suspension. Reinstall pinch bolts **H** and torque to specification.

TORQUE

18 ft. lbs. (24 Nm)



6. Reverse removal steps and reinstall front brake calipers **G** with retained studs **F**. Torque studs to specification.

TORQUE

35 ft. lbs. (48 Nm)

7. Reinstall front fender ⑤ by “rolling” it over tire and back into place and squeezing sides to clear forks. Reinstall six retained screws ④. Torque bolts to specification.

TORQUE
18 ft. lbs. (24 Nm)

8. Route fender light wire harness into fairing and reconnect. (If equipped.)
9. Install three new cable ties ③ to secure fender light harness and speed sensor harness to brake line. One cable tie at brake line fitting in caliper cover, one at brake line fitting at lower triple clamp, and one in middle of brake line between other two.
10. Reinstall caliper covers (if equipped) using retained hardware ①, ② & ③. Torque fasteners to specification.

TORQUE
Acorn Nuts ①: 18 in. lbs. (2 Nm)
Bolt ③: 84 in. lbs. (9 Nm)

11. Check for proper brake function before test riding motorcycle.

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.

