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2016+ Indian Springfield Brake System Inspection and Maintenance

Indian Springfield Brake System Inspection and Maintenance - Indian Motorcy...



| Required Tools and Supplies | |
|-----------------------------|------------------------------------|
| Shop Rags | Brake Rotor Measurement Tool |
| All-Purpose Grease | Phillips and Flathead Screwdrivers |
| DOT 4 Brake Fluid | Mirror |
| 10mm Socket | Ratchet |
| Torque Wrench | Safety Glasses |
| Flashlight | Nitrile Gloves |

To learn more about tools, read the [Tools and Fasteners Guide](#). Always wear safety glasses and nitrile gloves when servicing your Indian Motorcycle.

To inspect and maintain the brake system on your Indian Springfield, follow these steps:

1. Park the motorcycle on level ground in the fully upright position.
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2. With the handlebars pointing straight ahead, inspect the fluid level in the front brake reservoir through the sight glass. A flashlight can be used to illuminate the reservoir in dark areas.
 3. If fluid is needed, clean the area with a clean cloth.
 4. Then remove the two cover fasteners with a Phillips screwdriver.
 5. Lift the cover off and set aside.
 6. Remove the diaphragm and set aside. Do not allow brake fluid to contact painted surfaces, or paint damage may occur.
 7. Add fluid as needed. Do not overfill. A 12-ounce bottle (355 mL) of DOT 4 Brake Fluid is [part number 2880016](#).
 8. Reinstall the diaphragm, cover and fasteners. **Torque** the fasteners to 14 in-lbs (2 Nm).
 9. Clean any residual fluid off the vehicle to prevent paint damage.
 10. Lubricate the pivot pin and brake lever hinge point.
 11. Begin by removing the bottom nut with a 10mm socket.
 12. Remove the pivot pin with a flat-head screwdriver and pull out the brake lever.
 13. Clean off any old grease or dirt from the pivot pin and brake lever.
 14. Lubricate the pivot pin and brake lever hinge point with all-purpose grease.
 15. Clean any old grease from the brake lever bracket and lubricate with all-purpose grease.
 16. Reinstall the brake lever and align the pin hole.
 17. Reinstall the pivot pin fully.
 18. Reinstall the nut. **Torque** to 4.9 ft-lbs (6.6 Nm).
 19. Clean any residual grease off the bike and ensure proper operation of the brake lever.
 20. Inspect the banjo bolts on the inside of the master cylinder for leaks.
 21. Follow the brake lines from the front junction block to the front brake calipers, looking for any leaks, kinks or damage.
 22. Inspect the connections at the front brake calipers for leaks.
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- 23.** Position an inspection mirror at the back side of the caliper to view the friction material. Replace when the thinnest point of the friction material has worn to the service limit indicator groove. The service limit is 1.0 mm (0.04 inches).
- 24.** Measure the thickness of each front brake rotor at four or more locations. Replace any rotor that is damaged or worn to the minimum thickness of 4.5mm (0.18 inches) at any point.
- 25.** Inspect the front ABS tone ring for damaged teeth and the wheel speed sensor for excessive debris.
- 26.** Move to the rear fluid reservoir near the rear brake pedal on the right side of the bike.
- 27.** Ensuring the bike is level, inspect the fluid level, using a flashlight as needed.
- 28.** If fluid is needed, clean the area with a clean cloth.
- 29.** Remove the two cover fasteners with a Phillips screwdriver.
- 30.** Lift the cover off and set aside. Do not allow brake fluid to contact painted surfaces, or paint damage may occur.
- 31.** Remove the diaphragm and set aside.
- 32.** Add fluid as needed. Do not overfill.
- 33.** Reinstall the diaphragm, cover and fasteners. **Torque** the fasteners to 7 in-lbs (1 Nm).
- 34.** Clean any residual fluid off the vehicle to prevent paint damage.
- 35.** Inspect for leaks on the banjo bolts at the rear master cylinder.
- 36.** Follow the brake line from the rear brake reservoir to the ABS module.
- 37.** Continue by following the rear brake lines to the rear caliper banjo bolt, looking for any leaks, kinks or damage. Ensure the brake line retainers are properly secured.
- 38.** Inspect the rear brake pads and rotors. Replace any that are worn to their minimum thickness. The service limit for the rear rotors is 6.5mm (0.26 inches).
- 39.** Inspect the rear ABS tone ring and wheel sensor.
- 40.** If inspection reveals a need for service or replacement, see your authorized Indian Motorcycle Dealer.

For more information, see your authorized Indian Motorcycle Dealer. Find a dealer near you with the [Dealer Locator](#).

Maintenance tips, procedures and specifications can be found in your [Owner's Manual](#).
To find diagrams and replacement part numbers, use the [online parts catalog](#).

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- No, What are the next steps?
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