



Models: 2010-2014 Polaris Rush / Pro-R / Indy

Packing List

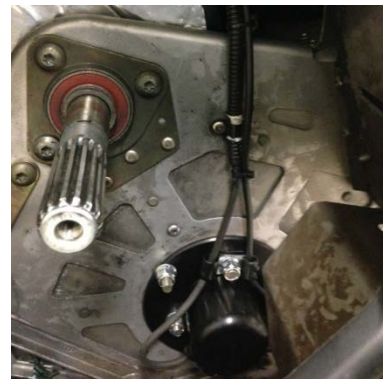
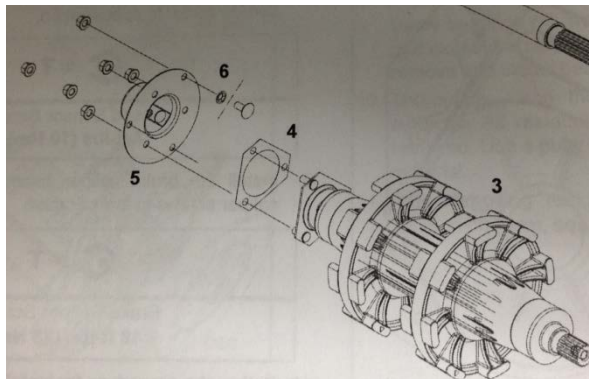
- 1 Electronic Control Unit (ECU)
- 1 ECU Velcro, 3 inch
- 1 Switch face plate
- 1 Switch face plate adhesive
- 1 Switch
- 1 Wiring harness
- 1 Fully pre-filled and bled brake system (with Hydraulic Control Unit, HCU)
- 1 HCU mount --- black anodized aluminum, bracket
- 2 HCU mount fasteners -- bolts, lock washer and Loctite (to frame)
- 2 HCU mount fasteners -- bolts, lock washer and Loctite (to pump)
- 1 Speed sensor end cap - black anodized Al
- 6 Speed sensor end cap fasteners M8 x 1.25 nyloc nuts
- 1 Wheel speed sensor - 1 meter sensor lead
- 1 Speed sensor hold down clip for tunnel
- 1 Speed sensor hold down bolt socket head cap screw
- 15 Speed sensor routing attachments (cable ties)

Tools needed:

- T25, T30, T40 Torx drivers
- 13 mm and 15 mm box wrench
- 13 mm and 15 mm deep and shallow 3/8 inch drive sockets
- 3/8 inch ratchet
- Phillips screw driver
- 1/4 inch drill bit and drill
- Utility knife or similar
- Torque Wrench
- Suitable lift that will lift the rear of the vehicle

Parts Overview:**Speed Sensor Install:**

1. Begin with a clean work space, and all necessary tool listed above.
2. Remove front plastics from vehicle including side panels and hood.
3. Follow recommended service procedure to remove belt and driven clutch assembly.
4. Lift the rear of the vehicle unloading the track and rear suspension.
5. Loosen track tension bolts approximately 1 inch to allow the track to hang freely.
6. Remove stock speedometer housing #5 below. Discard used nyloc nuts.

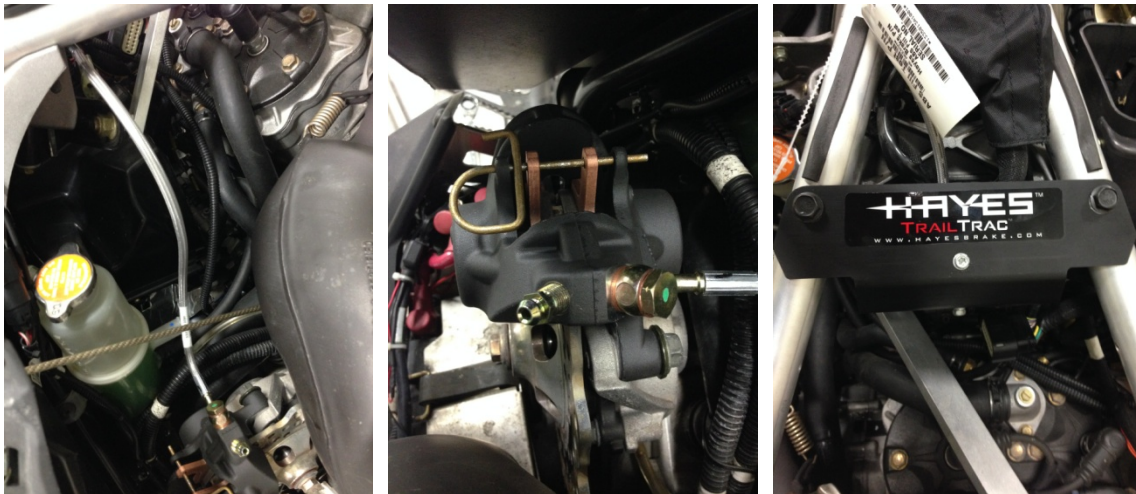


7. Remove speedometer sensor hold down bolt from cover, install sensor, and bolt to new speedometer housing included in kit. Torque to (30 in-lbs).
8. Install new TrailTrac speed sensor and included bolt. Torque to (30 in-lbs).
9. Slide new speedometer housing on tunnel bolts, see orientation in photo above, take care to align driveshaft bearing in housing correctly and not damage sensors. Loosely install new supplied nuts with sensor wire hold down clips positioned correctly.
10. Verify #4 gasket is not torn or damaged. Slide bearing retaining collar and align with proper hole in the speedometer housing. Loosely install new supplied nuts.
11. Torque speedometer housing and driveshaft nut to service manual specifications.
12. Adjust track tension, and torque all fasteners to service manual specifications.

13. Use supplied cable ties to attach TrailTrac speed sensor wire to existing speedometer speed sensor wire. Route new cable the same as existing. Take note to avoid sharp edges or anything that may damage sensor wire. See photo above.
14. Reinstall driven clutch and belt according to service manual specifications.

Brake System Install:

1. With body work removed follow service manual instructions to remove stock brake system and set aside.
2. Install brake caliper first, torque to service manual specifications.
3. Run brake line behind pull start rope, and install hydraulic unit to frame rails with new bolts supplied with TrailTrac kit. Torque to service manual specifications. Small 8 mm bracket bolts should be torqued to (30 in-lbs).
4. Route line in factory location along steering stem wiring harness.
5. Reinstall new master cylinder in stock location, reuse stock T25 Torx in the proper locations, and torque to service manual specifications.
6. Route brake light switch to factory connector and attach line and wiring with included cable ties. Reinstall connector protector in factory location.
7. **Before riding pump brake lever 5 times to seat pads to the rotor.**



Switch Install:

1. Use switch bezel plate for a template to trace hole needed for switch install.
2. Place bezel in desired location to the left of the factory cluster.
3. Use a paint marker to trace rectangle hole.
4. Used a ¼ inch drill bit to drill all 4 corners of the traced rectangle.
5. With a new sharp utility knife connect all four holes and trim any excess plastic inside of the traced rectangle.
6. Test fit switch first without bezel to make sure the hole is the correct size.
7. Once the correct size hole is made make the final install of switch and bezel assembly. Double sided tape is included with the kit and to be used if the switch hole is made too large in the plastic and the switch tabs do not hold properly.



Wiring Harness Install:

1. Disconnect battery positive and negative terminals.
2. Remove fuse from wiring harness and reinstall when procedure is complete.
3. Install TrailTrac ECU with supplied 3M Dual Lock adhesive in front of fuel tank. Some models may require slightly different location due to small fuel tank changes. See photo below.



4. Connect wiring harness to ECU first and run each harness leg to its designated location.
5. First run battery positive and negative wires to the battery using supplied cable ties to run harness along stock electric start harness and frame rail. See photo below.



6. Disconnect stock electric start harness; install TrailTrac jumper harness between stock connectors. See photo above to install correctly and secure with cable ties to frame rail.
7. Connect TrailTrac speed sensor to harness plug
8. Connect TrailTrac harness to the hydraulic unit on frame rail. Use supplied cable ties to attach harness to brake line and keep clear of steering linkage. When secured, steer handle bars from side to side to verify no obstructions.
9. Use cable ties to attach hood harness connector to stock hood harness plug for easy hood removal in the future. Diagnostic plug can be secured in the same location.
10. Once completed reinstall fuse and function check system. Power vehicle on, “on” and “off” lights should illuminate when system switch is cycled and malfunction indicator lamp should do a self-check illumination for one second when vehicle is powered up.

For Technical Support, please contact:

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