



insider info

Clutch Pedal Sticking

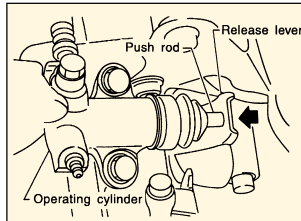
If you encounter a customer complaint of the clutch pedal not returning completely after being engaged, or if there is a spongy or light pedal feel while shifting, the following repair method should be followed. This condition may affect certain manual transmission vehicles with a hydraulic clutch system under certain weather conditions. The affected manual transmission Subaru models are as follows:

- 1995-2002 Legacy
- 1997-2003 2.5L Impreza
- 1998-2003 Forester

To correct this condition you must replace the parts in the chart that match your vehicle using the following procedures:

Replacement Clutch Parts:

- 2002 WRX (5MT)
Clutch Operating Cylinder: Do not replace Clutch Hose: 37251AA003
Gaskets for Hose: 114130151 X 2
- Legacy (5MT)
Clutch Operating Cylinder: 30620AA042
Clutch Hose: 37251AC001
Gaskets for Hose: 114130151 X 2
- Impreza (5MT)
Clutch Operating Cylinder: 30620AA042
Clutch Hose: 37251AC001
Gaskets for Hose: 114130151 X 2
- Forester (5MT)
Clutch Operating Cylinder: 30620AA042
Clutch Hose: 37251AC001
Gaskets for Hose: 114130151 X 2



For naturally-aspirated models with hydraulic clutches:

- Remove the intake chamber from the backside of the intake manifold.
- Remove the clutch hose and the clutch operating cylinder. In this procedure it is not necessary to remove the master cylinder, the clutch pipe bracket.
- Replace the clutch hose and the clutch operating cylinder with new parts as listed below. Note that two pieces of gasket (P/N 114130151) used on the connector of the operating cylinder must be replaced with new ones when replacing the clutch hose. Tightening torque of the bolt is: 37 ± 3 Nm

(27 ± 2 ft. lbs).

- Bolt the operating cylinder onto the transmission.
- Add brake fluid.
- Bleed the air from the system.
- Bleed the air from the system.
- Install the intake chamber.

For turbo models:

- Remove the intercooler.
- Remove the clutch operating cylinder hose. In this procedure, the clutch master cylinder, clutch pipe and bracket are unnecessary to be removed.
- Replace the clutch hose that was removed with the new one listed below. Note that two pieces of gasket (P/N 114130151) used on the connector of the operating cylinder must be replaced with new ones when replacing the clutch hose. Tightening torque of the bolt is: 37 ± 3 Nm (27 ± 2 ft. lbs).
- Add brake fluid.
- Bleed the air from the system.
- Install the intercooler.
- Insure there is no leakage from the line, check whether fluid leakage occurs after the clutch pedal has been fully depressed.
- Check whether the clutch performs normally.

Transmission Jumps Out Of 3rd Gear

If you are rebuilding a WRX 5M/T and during the rebuild, it is necessary to replace the 3-4 gear set, consult Part Bulletin PT070302. Installation of the new part set mentioned in the bulletin should keep the transmission from popping out of 3rd gear.

Slope Control Logic Change

The TCM Slope Control logic has been changed on 2003-04 Subaru vehicles. It will activate on downhill slopes and grades greater than 12%, and vehicle speeds under 48.5 mph.

All Subaru Rear Differentials

Be advised that Subaru rear differentials are not serviceable. There is a rebuilding procedure in the applicable service manual, but if the rear differential has a problem, Subaru recommends that it be replaced with a remanufactured unit where available. ■