2015-2021 Subaru WRX - Clutch Master Cylinder

2015-2021 Subaru WRX | Advanced | 2-3 hours | $147 DIY

TOOLS

10mm Socket 12mm Socket 14mm Socket Flathead Screwdriver Jack Stands Torque Wrench Needle Nose Pliers Flare Nut Wrenches Bungee Cord

PARTS

Clutch Master Cylinder 37230VA001 $137.48
Clutch Fluid (DOT 3 or 4 Brake Fluid) $10.00
Clutch Master Cylinder Upgrade Kit MC15020-R $71.14
Crush washer (if equipped)

STEPS

1. **Protect paint and disconnect the pedal pushrod - Park on level ground and set the parking** brake. Place rags under the firewall fittings - clutch fluid damages paint. Optionally disconnect the negative battery cable if working deep in the pedal box.
2. **Disconnect the hydraulic line - Under the hood, clean around the master cylinder** fittings. Disconnect the hydraulic line with a flare-nut wrench and plug the open line to limit fluid loss and contamination. Catch fluid in a drain pan.
3. **Unbolt and remove the old master cylinder - Pull the unit straight out, watching for** residual fluid. Compare the new master to the old one - port orientation, reservoir style, and pushrod length must match.
4. **Install the new master cylinder - Transfer or install a new reservoir/seals as required.** Position the new master on the firewall, start the nuts by hand, then torque to spec. Reconnect the hydraulic line with a new crush washer if equipped.
5. **Fill and bleed until the pedal is firm - Fill with the specified DOT fluid. Bleed at the** slave cylinder bleeder (or follow the vehicle-specific reverse-bleed procedure) until the pedal is firm and bubble-free. Never let the reservoir run dry.
6. **Leak-check and road-test - Inspect fittings and the firewall area for leaks. Pump the** pedal, start the engine, and confirm clean engagement. Road-test for smooth shifts, then recheck fluid level after cooldown.

TORQUE

Master cylinder mounting nuts 12 Nm 9 ft-lbs

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