2009-2015 Opel Astra H - Clutch & Flywheel

2009-2015 Opel Astra | Advanced | 4-6 hours | $770 DIY

TOOLS

Jack and jack stands Socket set (including 10mm, 13mm, 15mm, and 18mm sockets) Torque wrench Flathead screwdriver Phillips screwdriver Pry bar Clutch alignment tool Transmission jack or suitable lifting equipment Rubber mallet Safety gloves and goggles

PARTS

Clutch Kit 3000951192-S $300.00
Flywheel $200.00
Clutch Slave Cylinder $100.00
Clutch Master Cylinder $120.00
Clutch Release Bearing $50.00

STEPS

1. **Support the vehicle and disconnect the battery - This is a major job - plan for** transmission removal. Park on level ground, disconnect the negative battery cable, and support the vehicle on jack stands rated for its weight. Drain the transmission fluid. Wear gloves and eye protection.
2. **Disconnect driveline, clutch hydraulics, and linkages - Remove the exhaust section,** driveshaft/half-shafts, starter, and shift linkage or cables as needed. Disconnect the clutch slave cylinder or hydraulic line - catch the fluid and do not kink the hose. Support the engine with a support bar.
3. **Unbolt and lower the transmission - Support the transmission with a jack, then remove the** bellhousing bolts and the transmission crossmember/mount. Separate the transmission from the engine carefully, keeping it square so the input shaft does not hang on the clutch disc. Low...
4. **Replace the clutch disc, pressure plate, and throw-out bearing - Unbolt the pressure** plate evenly in a star pattern and remove the disc. Inspect the flywheel; resurface or replace if scored or heat-checked. Install the new disc with the correct face toward the flywheel using an alignment tool, then torq...
5. **Reinstall the transmission and reconnect - Align the input shaft with the disc and slide** the transmission in square - do not force it. Install the bellhousing bolts and torque to spec. Reattach the crossmember, axles/driveshaft, starter, exhaust, and clutch hydraulics. Bleed the...
6. **Refill fluid, adjust, and road-test - Refill the transmission with the specified fluid** and reconnect the battery. Check clutch pedal free play and adjustment if applicable. Start the engine and confirm smooth engagement without chatter or slip, then road-test gently through al...

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