



FITTING INSTRUCTIONS

2PC Clutch

Clutches for

Vauxhall Astra / Insignia /
Meriva / Mokka (B16 1.6L)

Part numbers

828577

- Remove the battery (mounted in a protective case)
- Remove the battery box (unclip the cable harnesses attached to it)
- Disconnect the clutch slave cylinder from its mountings (no need to disconnect or disturb the hydraulic system)
- Disconnect the reversing light switch + ground wire
- Remove the cables and linkage from the transmission shifter.
- Loosen the transmission mounting bolts on the N/S (before working under the vehicle - do not loosen them completely!)
- Remove the gearbox bolts (around the bellhousing) and the starter (there is no reason to remove the cables, etc.)
- Remove the road wheels
- Remove the nuts from the driveshaft hubs (on both sides)
- Remove the plastic wheel well liner (o/s)
- Remove the complete cradle with steering rack and wishbone
- Remove/disconnect the rear gearbox torque limiter (which prevents the gearbox from "tipping")
- Drain the oil from the transmission (plug) at the bottom
- Support the engine with a transmission jack on the lower housing (as there is no contact/support area in the engine compartment to allow for the use of an engine cradle)
- Remove the transmission mounting bolts from the N/S mounting bracket.
- The transmission can now be removed and separated from the engine.

GEARBOX REMOVED





STEP 1 - Gearbox shaft cleaning

Remove dust, oil and other remaining substances from the gearbox shaft.

Do not grease the gearbox shaft



STEP 2 - CSC dismounting

During dismounting, the CSC seal can be stuck inside the elbow pipe and cause a hard pedal when the new CSC is fitted. Always check seal presence on the seal after CSC dismounting.



STEP 3 - CSC seal condition check

CSC seal has to be checked and changed if needed. It can be damaged during installation

STEP 4 - Flywheel Check

Lightly clean the surface of the flywheel with a fine abrasive. If in doubt, replace the flywheel if necessary.



STEP 5 - Clutch installation

Mount the clutch disc and the clutch cover to the Flywheel with the alignment tool. (center on the clutch disc). Tighten the screws in sequence (star) until the cover (mechanism) is pressed against the flywheel

STEP 6 - Clutch installation - tighten the bolts

Tightened bolts of mechanism at the recommended torque in sequence (star). For this application : 20 N.m

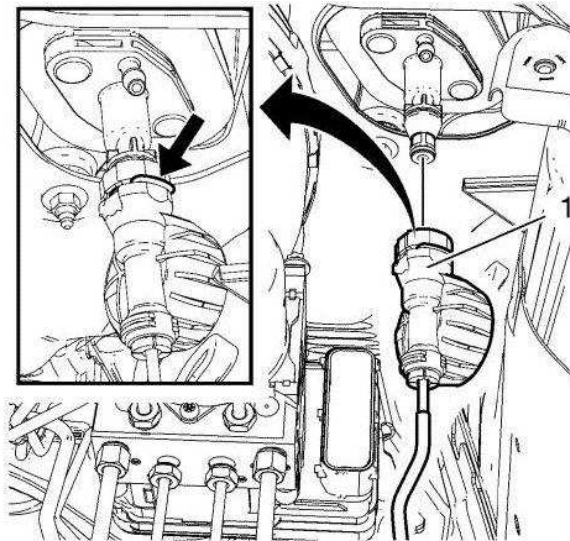


STEP 7 - Bleeding procedure

Inject brake fluid via CSC purge valve until to see rise of the brake fluid in the reservoir.

STEP 8 - Pedal actuation

Activate the clutch pedal by pressing it down very slightly 30 times (Push / 1s waiting / Release).



WARNING

If the clutch pedal becomes stiff and hard to press, please check the pressure modulator (clutch damper) for a blockage as well as the hydraulic elbow. Replace the modulator and the elbow connector if necessary.

Once the vehicle is on the ground, tighten the driveshaft bolts and wheel nuts to the correct torques.

To reduce the risk of potential spinal damage, make sure the correct clutch alignment tool is used during the clutch assembly replacement.

It is essential to ensure that the manufacturer's specified gear oil is used, otherwise it may give false or incorrect symptoms during fault diagnosis immediately after a global clutch.