TECH BULLETINS

TSB - NI08

CLUTCHTECH

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Correct Fitment of Pull-Type Clutch Assembly for Nissan.

When fitting a ClutchPro matched pull type clutch assembly it is important to use the following fitting procedure.

DO NOT UNDER ANY CIRCUMSTANCES FIT THE RELEASE BEARING DIRECTLY ONTO THE COVER ASSEMBLY DIAPHRAGM MOUNTING RING. THIS WILL MAKE IT IMPOSSIBLE TO ENGAGE THE RELEASE BEARING MOUNTING LUGS ONTO THE CLUTCH RELEASE LEVER AND RE-ASSEMBLE THE GEARBOX ONTO THE ENGINE.

1. Lightly lubricate the flywheel pilot bearing, driven plate hub splines, gearbox input shaft splines, gearbox input shaft sleeve, release bearing collar and clutch release lever pivot points with grease before fitment.
2. Test-fit the driven plate on the gearbox input shaft in order to ensure that it is able to move freely, and remove all excess grease.
3. Test-fit the release bearing on the gearbox input shaft sleeve in order to ensure that it is able to move freely, and remove all excess grease.
4. Fit the release bearing onto the gearbox input shaft sleeve and clutch release lever.
5. Make sure that the driven plate is correctly positioned on the flywheel.
6. Make sure that the cover assembly is correctly positioned on the flywheel dowel pins before tightening the mounting bolts, in order to prevent distortion of the cover assembly.
7. Centralise the driven plate on the flywheel using an alignment tool.
8. Tighten the cover assembly mounting bolts progressively in diagonal sequence in order to prevent distortion of the cover assembly, and tighten the mounting bolts according to the torque specifications in the workshop repair manual.
9. Do not let the gearbox input shaft hang unsupported on the driven plate hub when refitting the gearbox as this will bend the driven plate.
10. Re-assemble the gearbox onto the engine and tighten all bellhousing mounting bolts according to the torque specifications in the workshop repair manual, using a good quality torque wrench. The release bearing will snap into position in the cover assembly diaphragm finger mounting ring at this stage.
11. Tighten all drivetrain nuts and bolts according to the torque specifications in the workshop repair manual, using a good quality torque wrench.
12. Adjust the clutch release mechanism in accordance with the procedure in the workshop repair manual.
13. Operate the clutch pedal a few times in order to ensure that the release bearing is properly engaged in the cover assembly diaphragm mounting ring.
14. Test-drive the vehicle in order to ensure that the clutch is working properly.
15. Check and re-torque all drivetrain nuts and bolts to the specifications in the workshop repair manual.
16. Check and re-adjust the clutch release mechanism if necessary.