

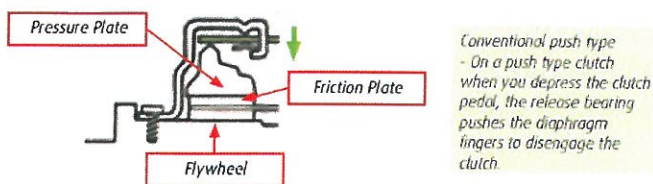
CL 028 CLUTCH TECHNOLOGY EXPLAINED

Vehicles: All Models

Modern passenger cars are fitted with several different types of clutches, depending on the design and specification of the drive train. The two principal designs are push type clutches and pull type clutches.

Push Type Clutches

Conventional push type - On a push type clutch when you depress the clutch pedal, the release bearing pushes the diaphragm fingers to disengage the clutch.



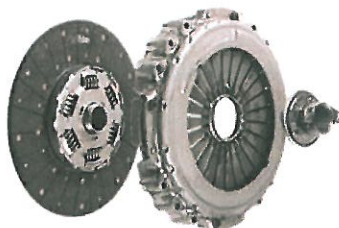
The push type clutch is the most common type of clutch used due to its ease of assembly and is suitable for a wide range of vehicle applications.

Pull Type Clutch

A pull type clutch works the opposite to a push type clutch as it pulls the diaphragm fingers away from the flywheel. The design of the pivot in the cover allows the pressure ring to come away from the friction plate, disconnecting the engine drive from the gearbox.

The advantages of a pull type system are:

- a. greater clamp loading
- b. lighter in weight
- c. smaller diameter
- d. improved cooling



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