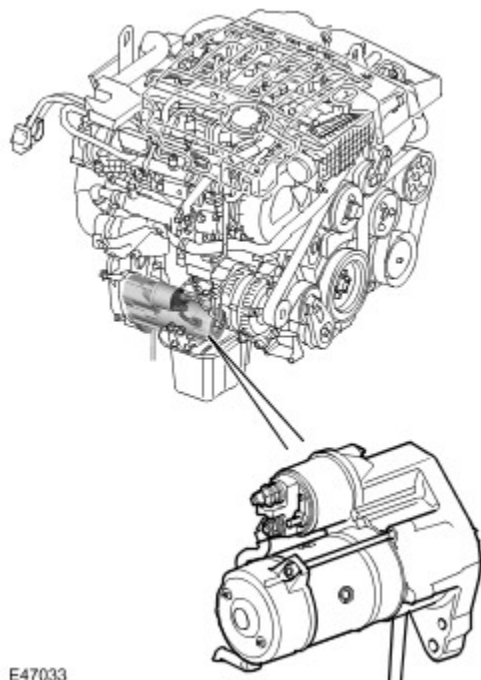




Starting System

GENERAL



The starter motor is rated as 2.0 kW and is a Denso level three sealed unit. It is a P76S type starter motor and is of conventional design with the motor in line and the drive pinion and solenoid mounted above. Each starter motor is of the pre-engaged type and comprises of a series wound motor, an overrunning clutch and an integral solenoid. This starter incorporates labyrinth breathing tubes to help with sealing and drainage.

The starter solenoid is energised by a signal from the ECM when the ignition switch is moved to the crank position. When engine cranking is requested, the ECM checks that a valid key code has been received before granting the crank request. The power for starter operation is supplied on a substantial single cable connected direct from the battery positive terminal. The cable is connected to the solenoid via a copper threaded stud and secured with a nut.

The starter motor is located on the rear RH side of the engine block and protrudes through an aperture to drive the flywheel via a ring gear. The motor is secured to the cylinder block by two bolts and to the ladder frame by four bolts and a support bracket. The bracket provides crucial support for the starter motor and must not be omitted when installing or reinstalling the unit.