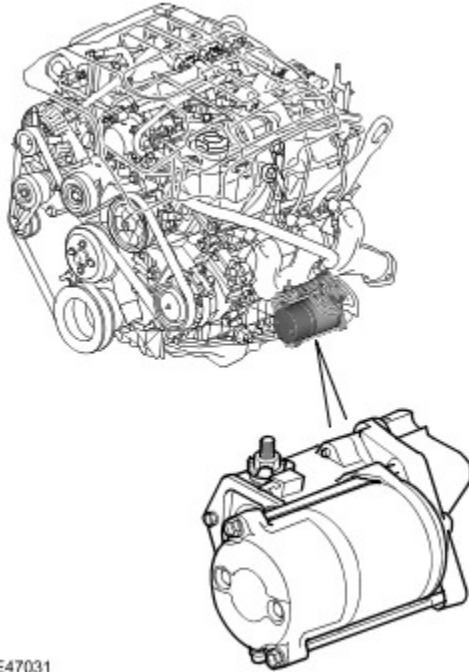




## Starting System

### STARTER MOTOR



E47031

The starter motor is rated as a 1.8kW and is a Denso level three sealed unit. It is an RA type starter motor, which is of the offset design with the solenoid being directly behind the pinion to give a more positive engagement to the ring gear. The motor is geared directly to the pinion. Each starter motor is of the pre-engaged type and comprises of a series wound motor and an overrunning clutch. 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 with an anti-rotational device and secured with a nut.

The starter motor is located on the rear LH side of the engine block. The motor is secured to the block and protrudes through an aperture to drive the flywheel via a ring gear.