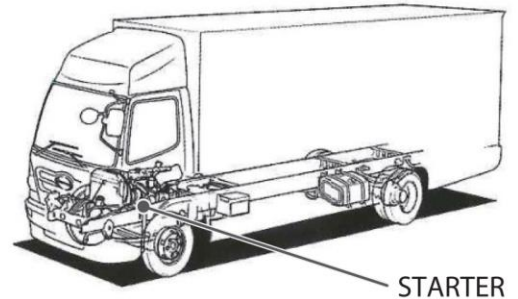


STARTER



Function

The starter is a device that uses the battery's electrical power to produce the rotational force that is needed to start the engine.

The importance of using genuine parts

By failing to use Hino genuine starters and/or parts, you run considerable risk of causing problems to your vehicle. Follows are really the examples that occurred in a market.

Starter cable burn damage

The starter cable was burned and damaged because non-genuine parts were used. In this case, the magnetic switch contact and a portion of the armature (commutator) sustained meltdown damage. The cause of this problem was that the engage switch was in contact with another part, which caused contact adhesion, which in turn caused the starter to over-rotate.

Vehicle fire

A non-genuine link component was used. The magnetic switch's coil was subjected to heat load, which led to a degradation of its covering. This in turn led to a short circuit in the starter resulting in a fire.

Smoke due to faulty starter retraction

A starter equipped with a non-genuine armature (suspected of having extremely poor rotation withstanding strength) burst when its pinion gear remained engaged after the engine had started, forcing the armature to continue rotating.

The importance of maintenance and replacement timing

Problems with your starter can cause problems with engine startup and incapacitate your vehicle. As a rough guideline, inspect your starter after 50,000 engine startups.

Symptom	Cause	Part to replace
Pinion gear will not engage when engine key is turned to "ON."	Faulty magnetic switch	Magnetic switch
The starter motor spins idly.	Damaged pinion gear	Pinion gear
The starter motor runs but the engine will not start up.	Starter ASSY problem etc.	Inspect engine ignition components (Battery ,ignition key etc.) Replace starter ASSY if necessary