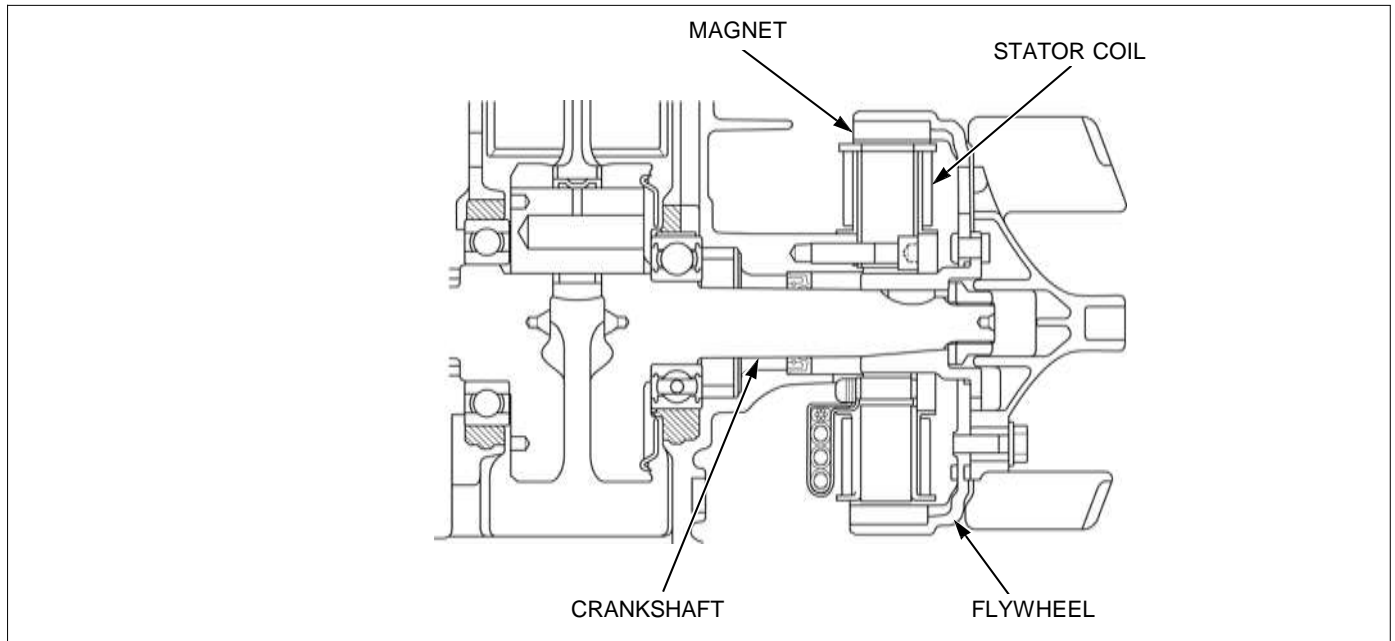




ALTERNATOR/STARTER

SYSTEM DESCRIPTION

The alternator/starter system is directly connected to the crankshaft.
This system integrates the alternator function and starter motor function.



OPERATION

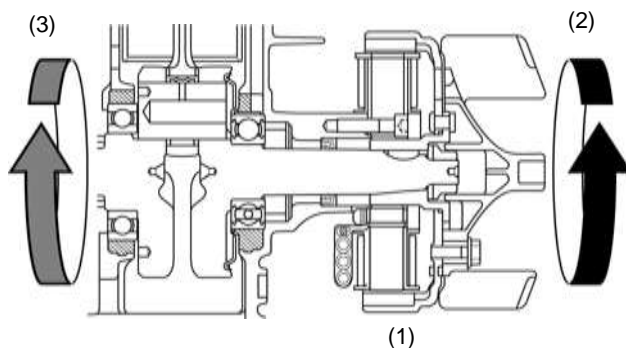
When starting the engine:

1. The ECM applies current to the stator coil.
2. The flywheel turns.
3. The crankshaft rotates with the flywheel and the engine starts.

After starting the engine:

1. After the engine is started, the ECM stops applying current to the stator coil.
2. The flywheel turns with the crankshaft.
3. The stator coil functions as a triple phase alternator and provides charging voltage into the regulator/rectifier, which is integrated in ECM.

WHEN STARTING THE ENGINE:



WHEN CHARGING:

