



Service Bulletin

Bulletin No. 2015-08
OEM No. 2015-07

Circulate to: Sales Manager Accounting Service Manager Technician Parts Manager

MCM 3.0L MPI EC Battery Cable Routing

Models Affected

Models Covered	Serial Number or Year
MCM 3.0L MPI EC	All

Scope

Worldwide

Situation

An electromagnetic field is created when current passes through large-gauge current-carrying cables. If these cables are located too near the crankshaft position sensor, they will affect the sensor's signal and adversely affect engine performance. Therefore, engine battery cables and other large-gauge current-carrying cables must not be routed closer than 46 cm (18 in.) to the front of an MCM 3.0L MPI EC engine. Cables mounted closer than this to the crankshaft position sensor will result in engines failing to start, misfiring, or performing poorly.

Inspection/Correction

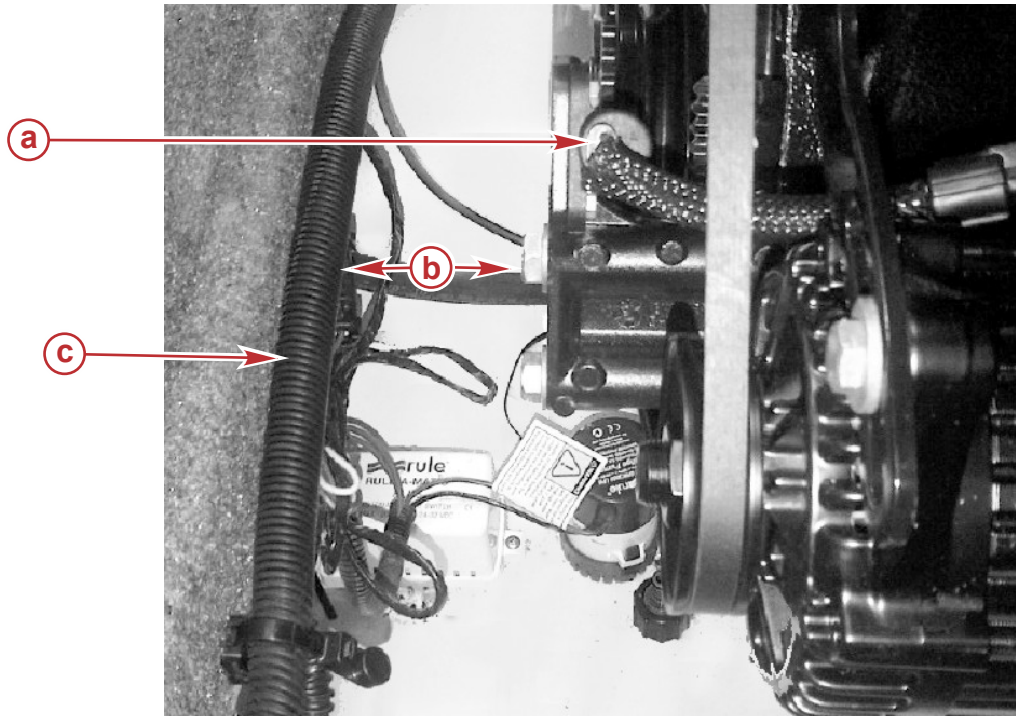
When diagnosing a running issue on a MerCruiser 3.0L MPI EC engine with one of the symptoms listed above, ensure that both the positive and negative battery cables are at least 46 cm (18 in.) from the crankshaft position sensor or the front of the engine. Also, ensure that the battery ground cable is attached to the rear of the engine on the ground stud. Refer to the installation manual or service manual for identifying the proper location.

Note that attaching a ground cable to the front of the engine will position it closer than the required minimum distance of 46 cm (18 in.) from the crankshaft position sensor, and will result in the engine failing to start, misfiring, and performing poorly.

Additionally, the negative and positive battery cables should be routed together (paired) when possible to balance and reduce the disruptive effects of either cable's electromagnetic field.

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- a** - Crankshaft position sensor
- b** - Required minimum distance between the front of the engine and the battery cable: 46 cm (18 in.)
- c** - Battery cable

Warranty

United States and Canada: If the product is under warranty, and these running issues exist, and the battery cable has been found to be incorrectly located or routed, Mercury Marine will credit the dealer for the cost of the labor to correct the issue. Submit a warranty claim through your normal warranty processing channel, listing the following information for each affected engine:

- Engine serial number
- Labor: 0.5 hour
- Flat rate code: SB05
- Part code: 305
- Fail code: 00

Outside the United States and Canada: Follow the instructions issued by your local office or your distributor.

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