MERCURY Diesel

Service Bulletin

Bulletin No. 2014-64
OEM No. 2014-63

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Analog Trim Sender Removed from SmartCraft Transom

Models Affected

Models Covered	Model Number/Part Number	Serial Range
Bravo Diesel SmartCraft Transom	6415002TS	2A417474 and above
Bravo SeaCore Diesel SmartCraft Transom	62000006S	
Bravo SmartCraft Transom	6315001TS	
Alpha Diesel SmartCraft Transom	6125004TS	
Bravo SeaCore SmartCraft	6A15001TS	
Bravo Diesel SeaCore Transom Without Engine	6E25002TS	
Bravo Diesel SmartCraft Transom Without Engine	62000005S	
Bravo SmartCraft Transom Without Engine	6315002TS/6315002TP	
Bravo Diesel SmartCraft Transom Without Engine	6425002TS	
Bravo SeaCore SmartCraft Transom Without Engine	6A15002TS/6A15002TP	

Scope

Worldwide

Situation

All MerCruiser SmartCraft transoms are equipped with a three-wire digital trim sensor on the port side of the gimbal ring. Previously, those transoms also came equipped with a standard analog trim sender on the starboard side of the gimbal ring. The analog sender was included on these models but was non-functional on these vessels.

Beginning April 1st, 2014, production of SmartCraft transoms listed above will include an empty sender cover in place of the analog sender on the starboard side of the gimbal ring. To accomplish this, a three-wire sensor was created that has a circular grommet sealing the wires as they travel through the gimbal housing to the inside of the engine compartment. The previous method for sealing both the three-wire sensor wiring and the analog sender wiring was to equip each of these wires with a half-circle grommet and place them together in the same through-the-transom hole.

On the SmartCraft transoms, the three-wire digital trim sensor is multifunctional. It provides the position of the trim to the PCM so that the SmartCraft trim position data is transmitted on the CAN bus to the helm. This same data is used to enable both trim and trailer limiting. On gasoline models, if analog gauges are desired, the Analog Gauge Interface (AGI) must be added. The AGI provides the trim data from the three-wire sensor in an analog format for display on any analog trim gauge. On diesel models no analog option is available. For questions about this, please contact Mercury Marine Product Support. In the United States or Canada, call 920-929-5884.

Part Interchangeability

Complete transom

Both versions (with or without analog trim sender) of complete SmartCraft transom assemblies are compatible in all vessels that do not use the analog trim sender.

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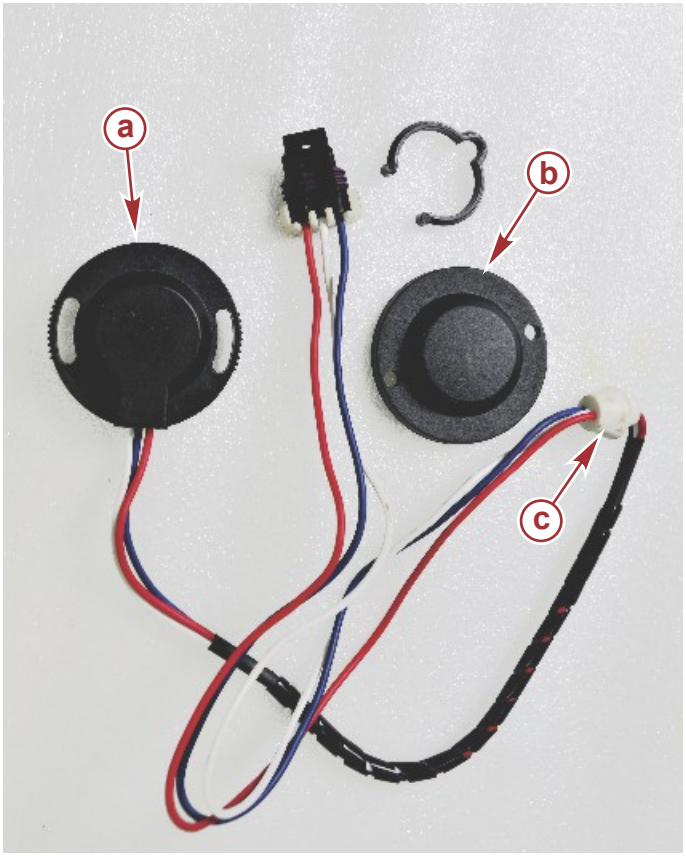
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Description	Part Number
Circular grommet, three-wire trim sensor kit (including cover)	8M0095310
Half-circle grommet, three-wire trim sensor	863187A1

Service Kits

The half-circle grommet, three-wire sensor will continue to be sold until inventory is depleted. At that time it will supersede to the new full grommet three-wire sender kit.

- If a three-wire trim sensor is being replaced on a transom that was equipped with but did not utilize the analog sender, either three-wire trim sensor can be used.
- If the older half-circle grommet, three-wire sensor is used, the analog sender is required to complete the seal grommet of the through-the-transom passage.
- If the new style full-circle grommet, three-wire trim sensor is selected, eliminate the analog sender by replacing it with the empty cover.



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a - New three-wire digital trim sensor
b - Cover
c - Full-circle grommet

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