

Identifying Current Engine/Helm Wiring for SmartCraft

14-Pin Engine Harness Connector



Determine what engine connector you have. If 10-pin you can only run Blue Data Harness for Smart Craft. If 14-pin the helm harness may have a SmartCraft 10-pin plug for Junction-Box or Gauge connection.

10-Pin Engine Harness Connector

1. If engine harness has 10-Pin Connector for Helm Harness, then look for the following weather cap with terminating resistor. Terminating resistor is indicated by the yellow colored band on cover of cap.



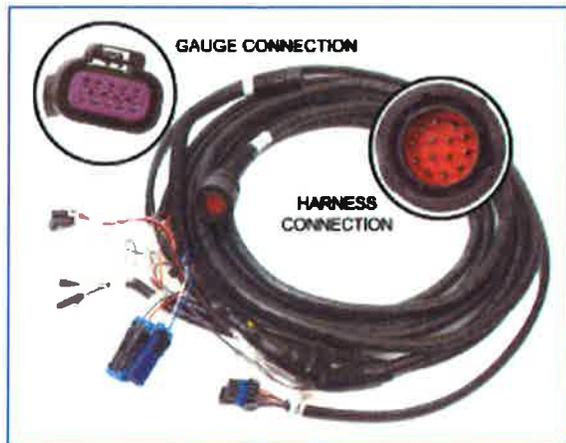
If using this 10-pin wiring, you will remove this cap and re-use this at your J-box location. A Blue Data cable with terminating resistor will plug into connector that was capped with the cap shown above. On the Blue Data Cables, the terminating resistor location will be indicated by the yellow band on the harness. Yellow band needs to go to engine connection.

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2. If engine has the 14-Pin Connector for Helm Harness, the 14-Pin Harness may be either a Mercury or boat builder part. Boat builders do this rigging, and they may build their own harness.

If it is a Mercury 14-Pin Harness, it will have various drops built into it. One drop will be the 10-pin data plug. This drop will have a tag marked "Gauges" See drawing below for connector view:

14-Pin Helm Harness



If your helm harness has this connection, this is already set up with the SmartCraft Data Bus. This Gauge Connection is where the Junction Box or SmartCraft device will plug into.

On Pre-14-Pin multi engine applications it is necessary to disconnect the three-wire harness because it may cause damage to the ECM, alternator, or the ability to shut the engines off. On a multiple engine application, this harness should be disconnected on all except one engine.

