

Condition: Shift Interrupt Inoperative

Cause: Shift Interrupt Switch not connected to ECM terminal J3-46

Correction: Connect Shift Switch to ECM terminal J3-46

Notes on this procedure:

1. Applies to any MEFI-5 equipped Marine Power engine requiring the use of Shift Interrupt to facilitate shifting into neutral
2. The ECM must be properly calibrated in order for the Shift Interrupt feature to function as intended – contact Marine Power if Shift Interrupt does not function after the following procedure is completed.

Procedure:

1. Remove Dress Cover from ECM connector J3 – see figure 1
2. Locate terminal J3-46 - see figure 2
3. Remove the grey cavity plug from J3-46 - see figure 3
4. Insert a terminated wire into J3-46 with the terminal oriented as shown in figure 4
5. Push the terminal into the connector until you hear and feel the “click” – see figure 5
6. Pull back on the wire to make certain the terminal does not pull out of the connector
7. Route the wire just installed to the Shift Interrupt Switch
8. Install the wire in conduit and secure with wire ties to make certain the wire is protected

Condition: Shift Interrupt Inoperative

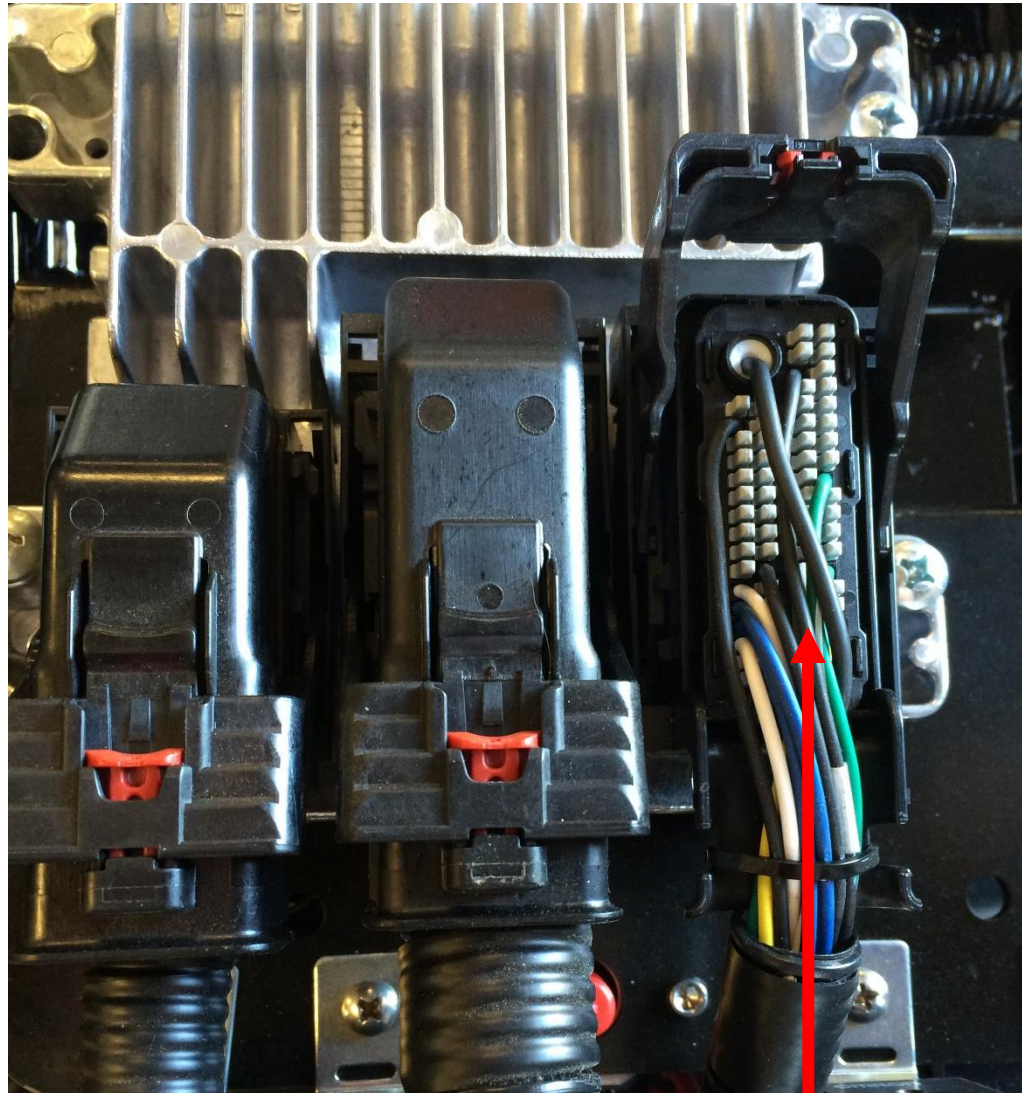
Cause: Shift Interrupt circuit to ECM terminal J3-46 missing

Correction: Connect Shift Interrupt switch circuit to ECM J3-46

Procedure continued:

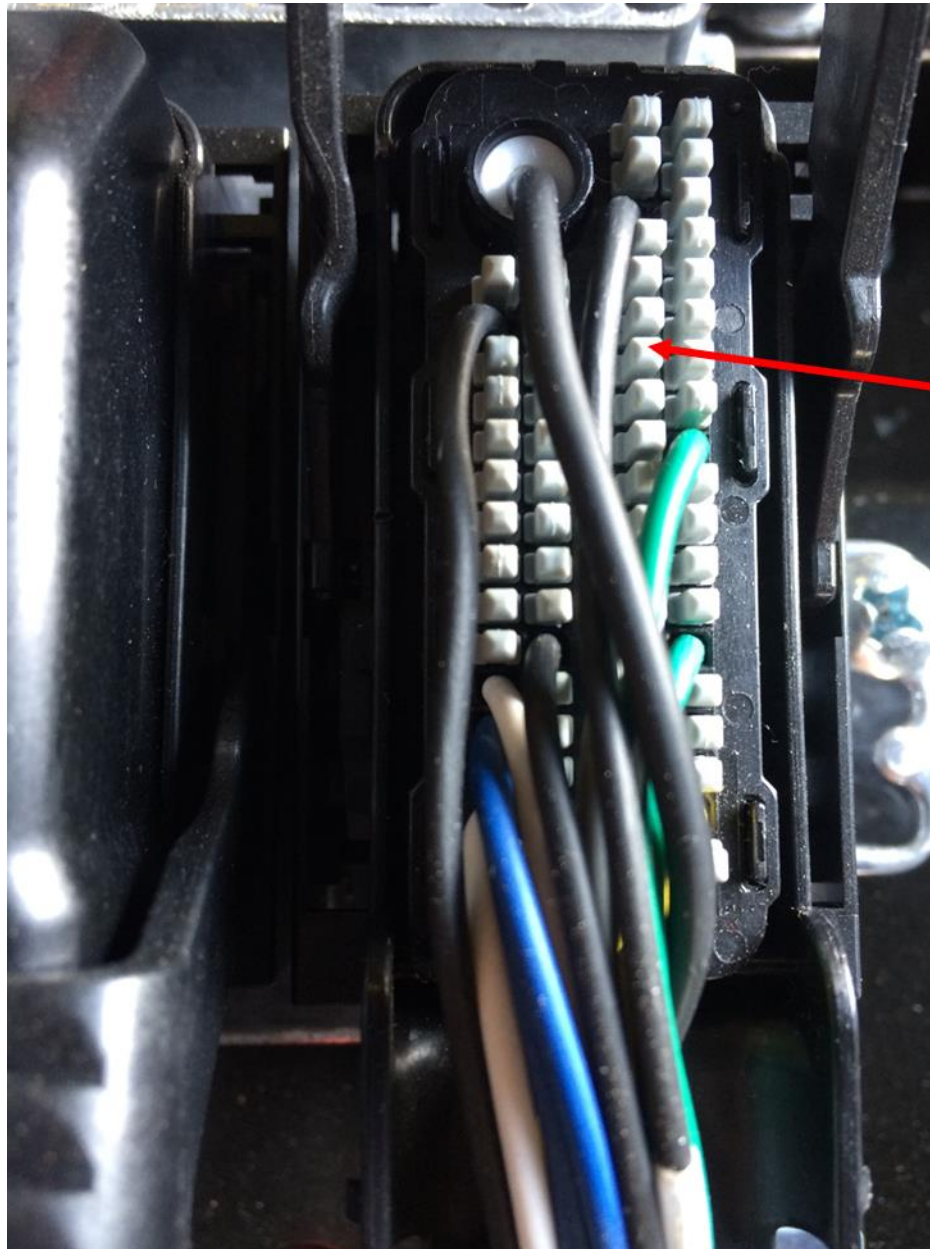
9. The Shift Interrupt switch must be a normally open switch connected to engine ground when closed. In addition the switch should provide only a momentary connection to ground when the shifter is moved from in-gear (either forward or reverse) to neutral.
10. Replace the Dress Cover on ECM connector J3 , start the engine, and verify the Shift Interrupt function.
11. When shifting into neutral, the shift interrupt should momentarily cause the engine RPM to drop making it easy to pull the shifter into neutral.
12. If Shift Interrupt does not operate, contact Marine Power for re-calibration of the ECM.

Figure 1– ECM Connector J3



Connector J3

Figure 2 – Location of ECM Terminal J3-46



J3-46

Figure 3

**J3-46
Grey Cavity Plug
Removed**

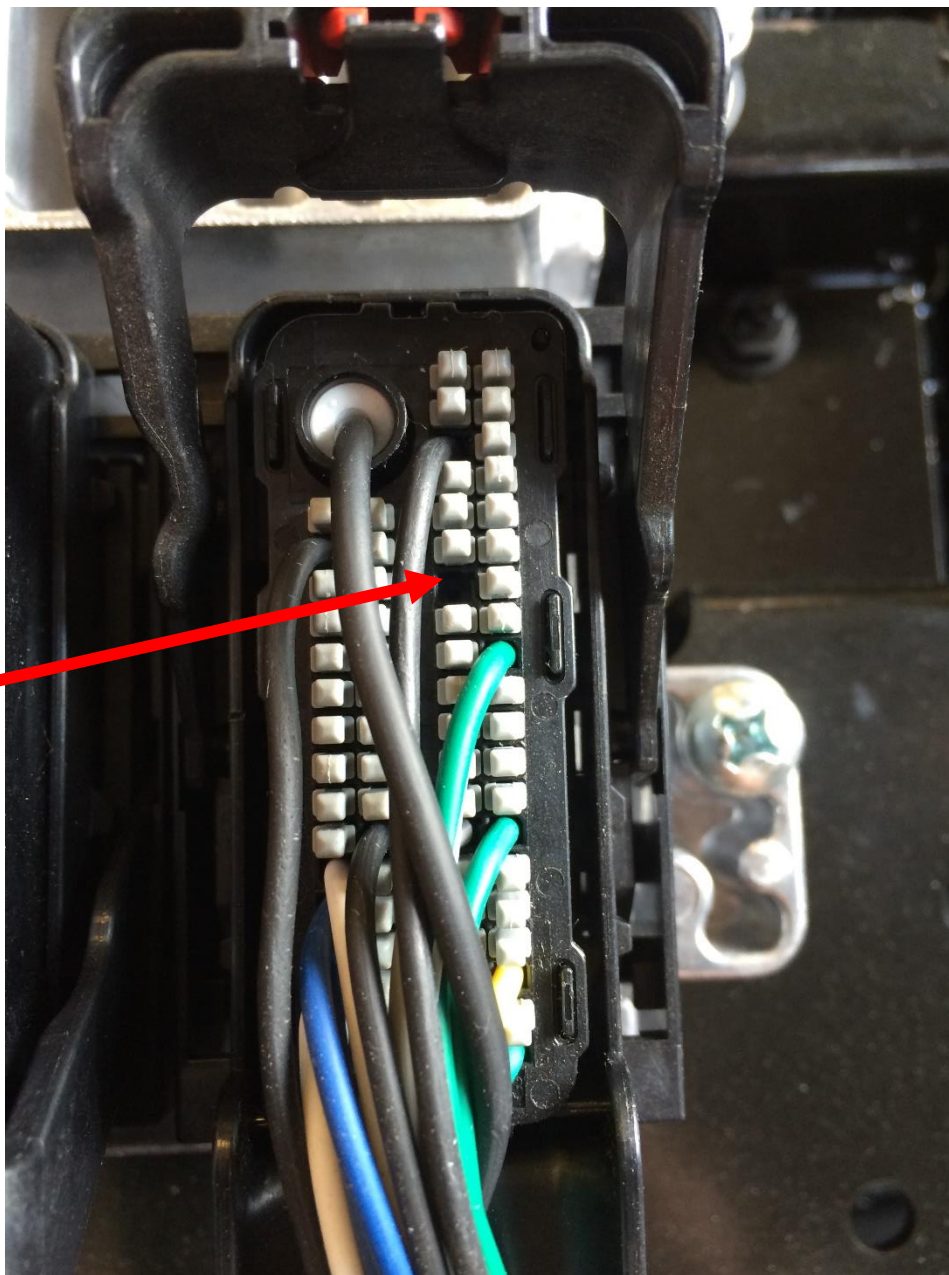


Figure 4

Note orientation of terminal in connector

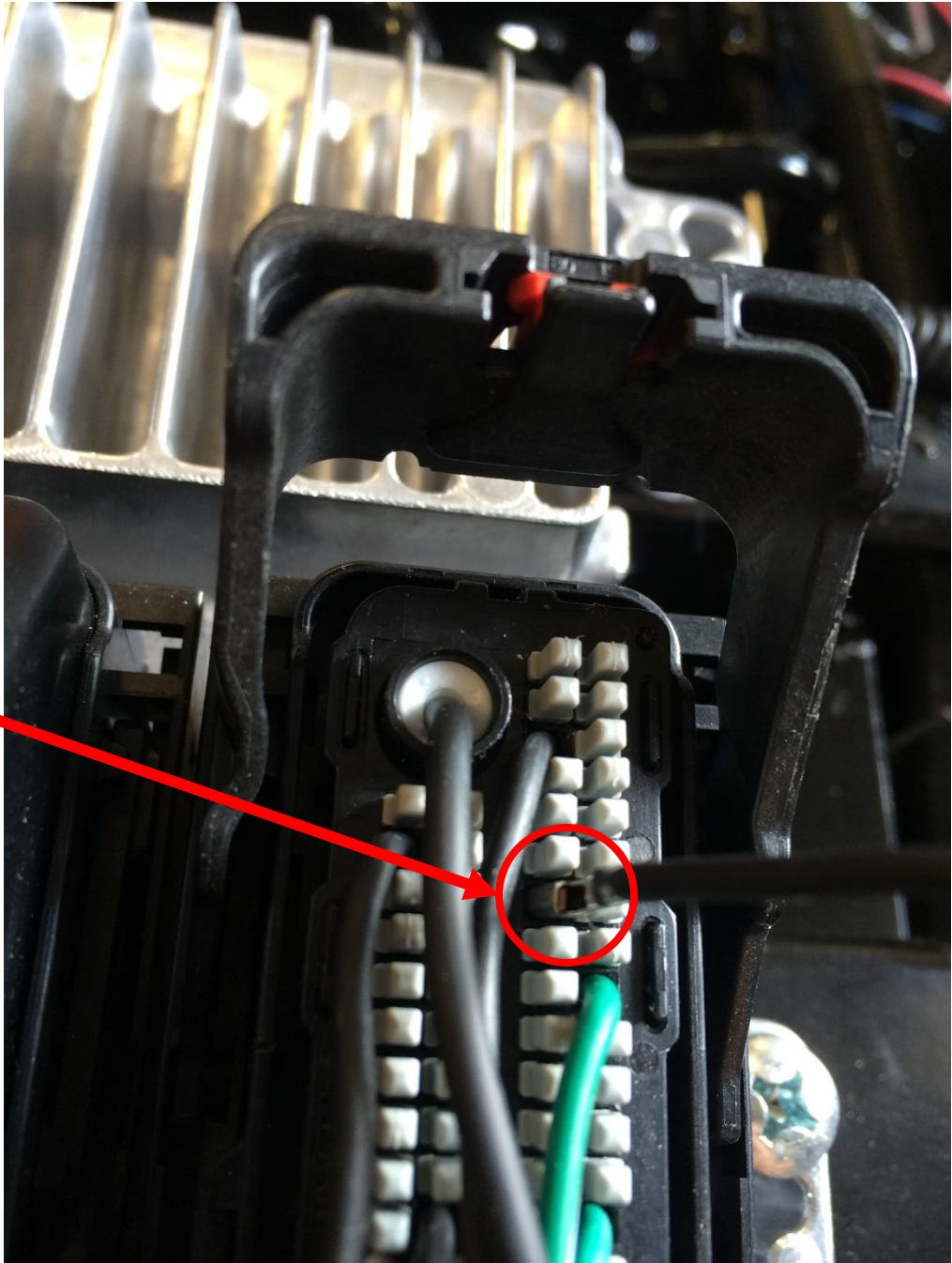


Figure 5



Push terminal into connector until you hear and feel the “click” then pull back on the wire to make certain the terminal does not pull out of the connector.

