

USDM BCM to UKDM Taillights Adaption and Sequencer Module (EPM010817T)

Purpose and Application

The provided module will adapt UKDM taillights directly to USDM Bodied S550 Mustang vehicles. The module will interpret and convert USDM BCM signals and drivers to those compatible with UKDM tail lights. In addition, this module has added additional signal patterns that enhances the factory UKDM tail light behavior.

Description



Fig. 1

The pair of modules can be directly inserted into the USDM BCM factory harness and UKDM tail light harness.



Fig. 2

Included wire and wire splicer required for the installation are shown in Fig. 2.

Installation

Step 1.

Locate the red wire of the 3rd brake light on the rear window. Splice it together with the provided blue wire using the provided splicer. (As shown in Fig. 3)

Step 2.

Run the blue wire over the rear window trim, into the C pillar trim and over into the boot.

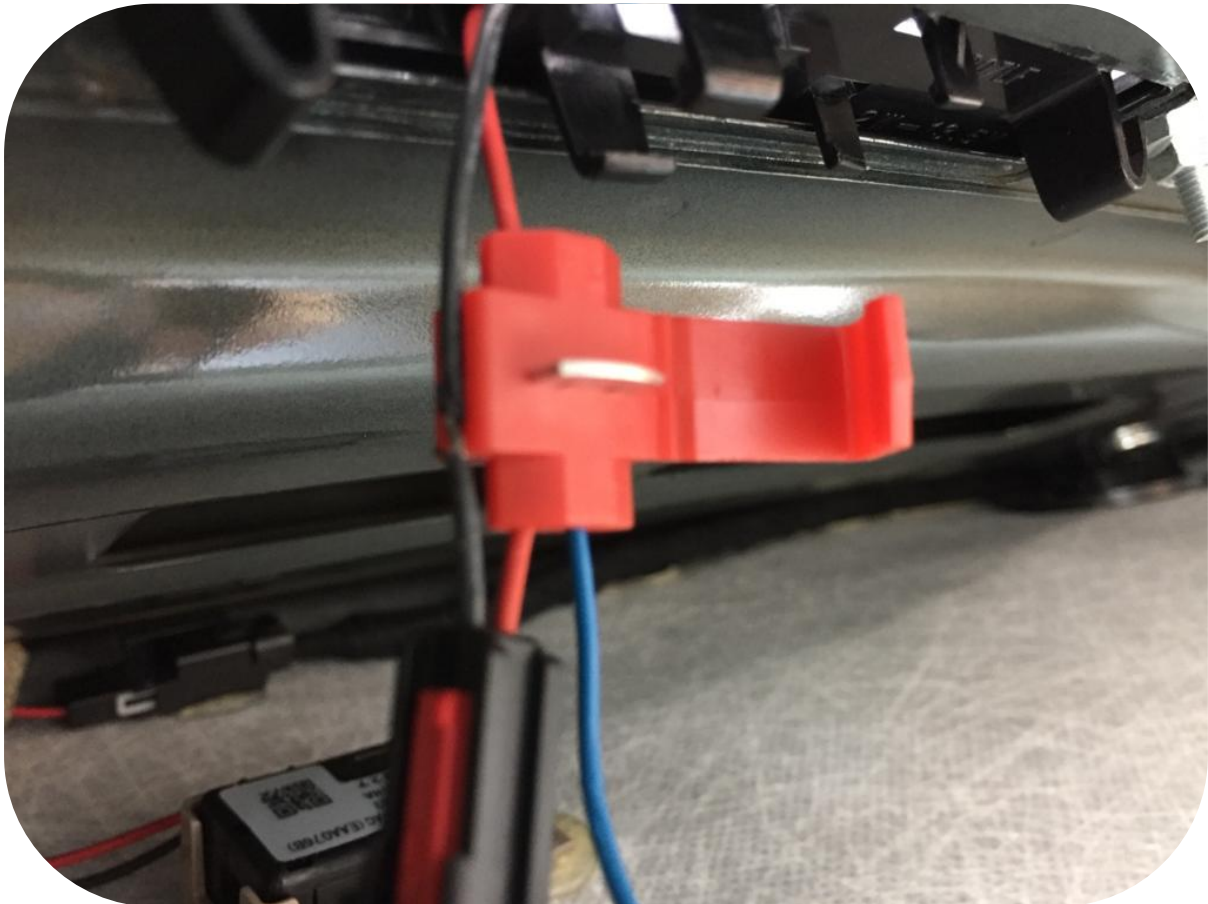


Fig. 3

Step 3.

Open the rear boot plastic cover by removing the plastic hand nuts and open the right hand side of the rear boot trim. Locate the USDM BCM box. (As shown in Fig. 4 and Fig. 5)



Fig. 4

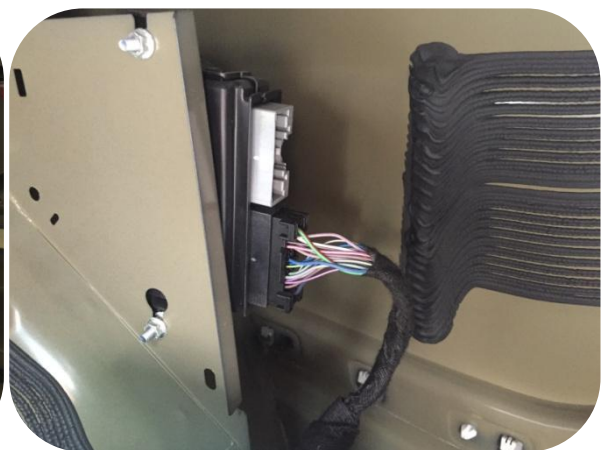


Fig. 5

Step 4.

For convenience, unplug the black factory plug and locate the 2 pair of wires on the left most of the plug. (As shown in Fig. 6 and Fig. 7)

Wire 1: Grey + Thin Purple Line Wire 2:

White + Thin Green Line

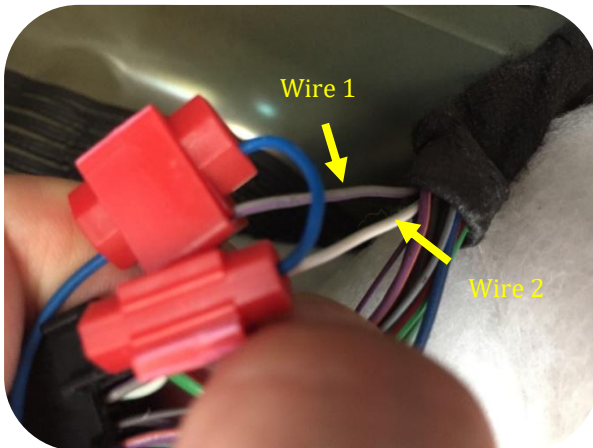


Fig. 6

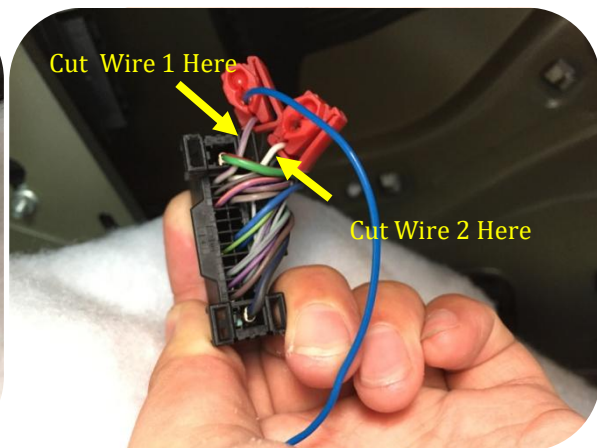


Fig. 7

Step 5.

Cut both of these wires. Splice the longer end of these wires together with the blue wire using the provided splicer. Plug the factory plug back to the BCM box

Step 6.

Insert and plug in the pair of sequencer modules between the USDM BCM factory harnesses and UKDM tail lights harnesses

Step 7.

Tidy the and reinstall all the removed trims.

Sequencer Modes

There are 4 sequencer modes preloaded:

A(mber) Mode

- Sequential turn indicator. Sequential amber indicator overwrites brake signal if both are active.

B(rake) Mode

- Sequential amber turn indicator. Brake signal overwrites sequential behavior if both are active.

S(tock) Mode

- UKDM factory behavior. Single amber indicator and double red brake.

F(lash) Mode

- Double red flashes when brake. Sequential amber turn indicator.

Switching Modes

Follow below steps to switch modes:

1. Turn ACC on and light switch to OFF '0' position.
2. Press and hold brake.
3. Turn light switch between 'ON' (park light or running light position) and OFF 5 times:
ON - OFF - ON - OFF - ON - OFF - ON - OFF - ON - OFF (should remain OFF when complete)
4. **DO NOT RELEASE BRAKE**
5. Amber indicator will flash from 2 to 5 times accordingly to indicate which mod it is being set to:
A Mode - 2 times
B Mode - 3 times
S Mode - 4 times
F Mode - 5 times
6. After flashing, amber indicator will remain constantly on to acknowledge mode switch is successful
7. Release brake, amber bar will switch off.

Note

Hyper blink is visualized inside the vehicle when indicator is on. That will be fixed in the production model.