

# **FORD** PERFORMANCE



**May 5, 2025**

## **Technical Service Bulletin – 41**

### **Mustang Dark Horse R CAN Bridge Update**

#### **Issue:**

Mustang Dark Horse R Build 1 vehicles (Chassis 1-40) used a CAN Bridge with a DB9 style electrical connector. While this style electrical connector is suitable for our application, the CAN Bridge on Build 2 vehicles (Chassis 41+) was redesigned using a more robust USCAR approved electrical connector.

#### **Action:**

Build 1 vehicles can be updated to the new style CAN Bridge using the parts and procedure outlined in this TSB.

## Parts:

Listed & pictured below are the necessary parts to complete this TSB.

Description	Part Number	Quantity
CAN Bridge	M-14660-3FD	1
CAN Bridge Harness	FP-14401-DB	1



## Procedure:

### Step 1:

Identify the existing CAN bridge & harness in your vehicle.

*Figure (A) illustrates the harness & CAN bridge that will be removed.*

**NOTE: The replacement harness and the harness being removed are very similar. The only difference is the style electrical connector at C51 and the CAN bridge. Take note of harness routing and retention points during the removal process.**

**Route & retain similarly during the installation of the new harness. The CAN bridge mounting location will change when installing the new CAN bridge.**

Figure (A)



*The following images will illustrate where the components shown in Figure (A) are located within the vehicle.*

Figure (B): *Center & Forward of Instrument Panel*

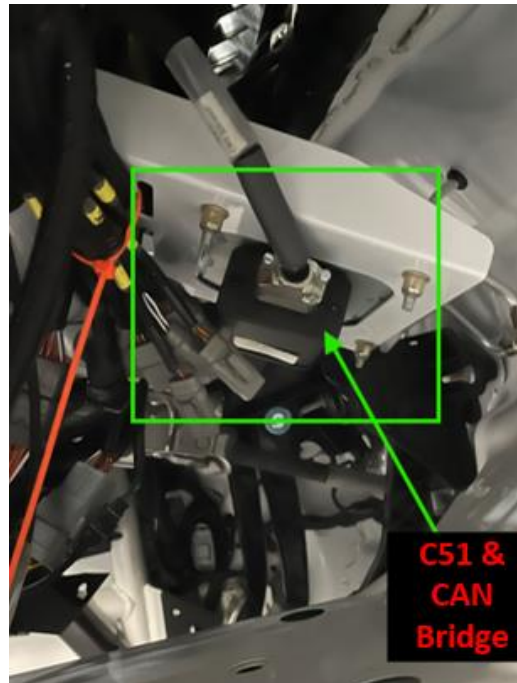


Figure (C): *Top of Transmission Tunnel, Forward of Instrument Panel*

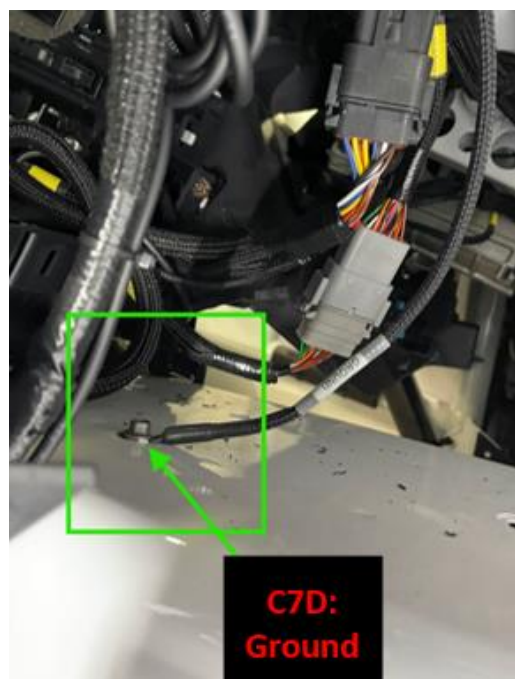


Figure (D): *Pass Through Grommet at Right of Firewall*

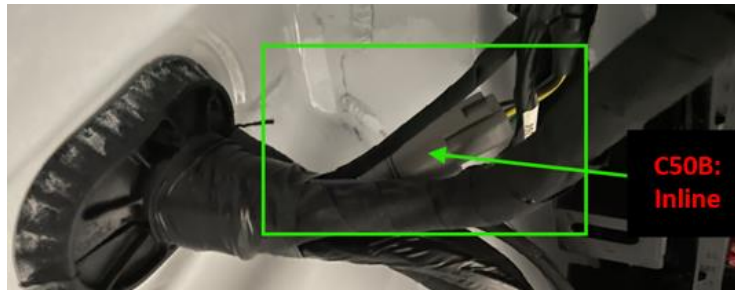
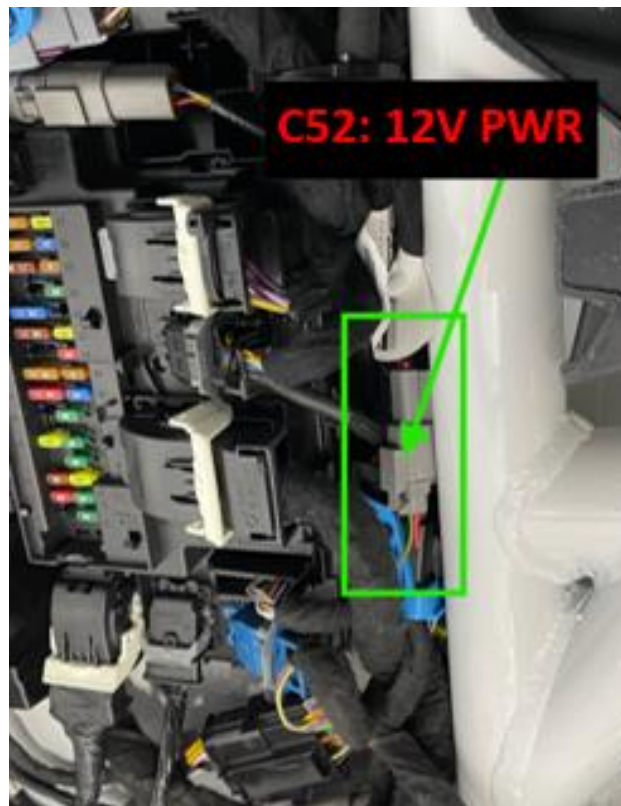


Figure (E): *Right A-Pillar*



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## **Step 2:**

Disconnect connectors and ground connection identified in Figures (B-E), carefully cut tie straps securing harness in vehicle, and remove CAN bridge & harness from vehicle. Set aside.

## **Step 3:**

Install *new* CAN bridge & harness in vehicle by performing removal procedure in reverse order. Secure harness with tie straps minimum of every 300 mm (11.8 inches). Secure CAN bridge with tie straps to roll bar behind glove box opening (right side of instrument panel) as illustrated in Figures (F & G).

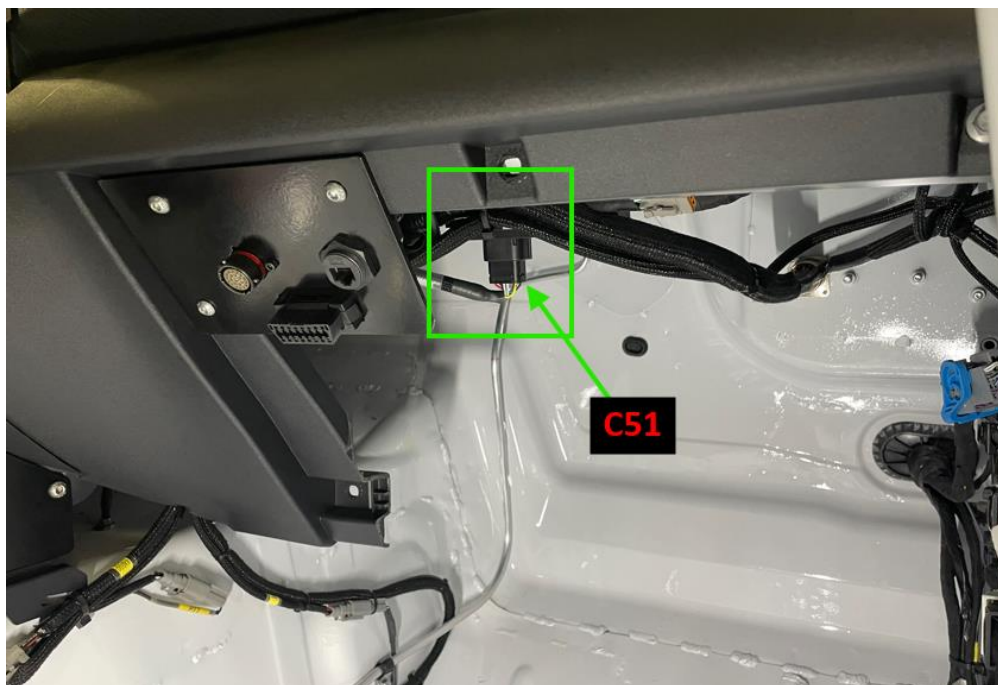
***NOTE: Mounting location of new CAN bridge & C51 is different from the CAN bridge removed from vehicle. See Figures (F & G) below.***

Figure (F)





Figure (G)



**Step 4:**

Check for proper operation. Start vehicle and ensure engine tachometer is operational in Motec display.

**TSB Complete**