



July 2, 2025

Technical Service Bulletin – 42

Mustang Dark Horse R Rear Wheel Speed Circuit Bypass

Issue:

Some vehicles may have spread terminal(s) at C264 cavities 12, 13, 27 and/or 28, which can cause loss of rear wheel speed signal between the rear wheel speed sensors and the ABS module.

Loss of rear wheel speed signal will cause the vehicle speed to be absent from the Motec C187 display, loss of engine rev match capability, and loss of ABS functionality.

Note: Some vehicles may have already had this procedure completed. See Step 1 in procedure section to verify.

Action:

Follow procedure below to bypass rear wheel speed sensor circuits at C264 to correct the potential concern.

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Procedure:

Step 1: Verify if your vehicle has already had this procedure performed.

Connector C264 is located at the lower left A-pillar. (See Figures A & B below)

If your vehicle has a 4-cavity Deutsch DTM connector with a YE, BN-GN, WH & BN wires that are bypassing C264 cavities 12, 13, 27 & 28 as seen in Figure C, your vehicle has already had this TSB performed. No further action is needed.

If your vehicle does not have the 4-cavity Deutsch DTM as seen in Figure C, continue to Step 2 to perform this modification.

Figure (A)



Figure (B)

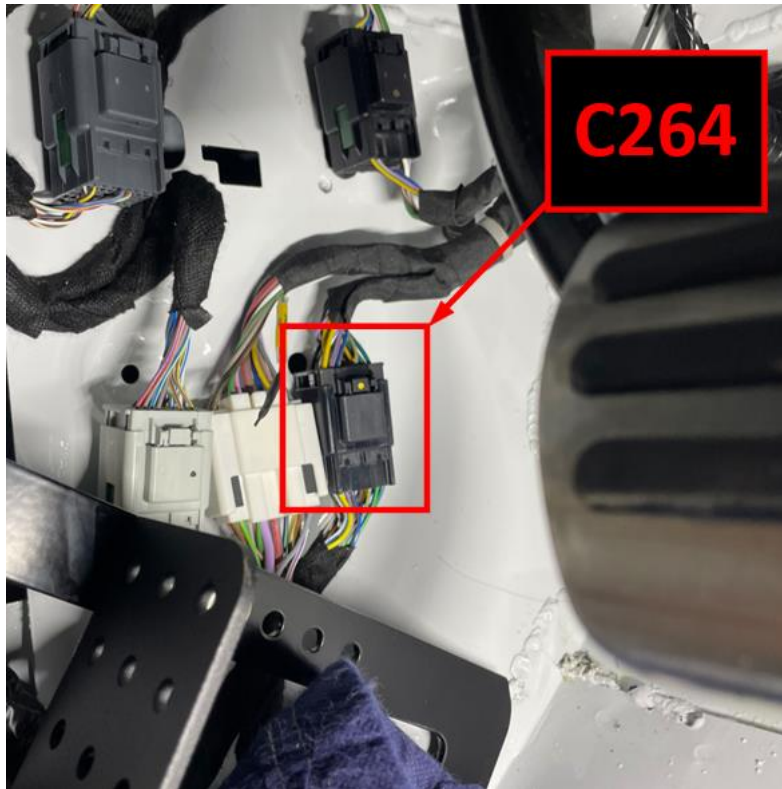
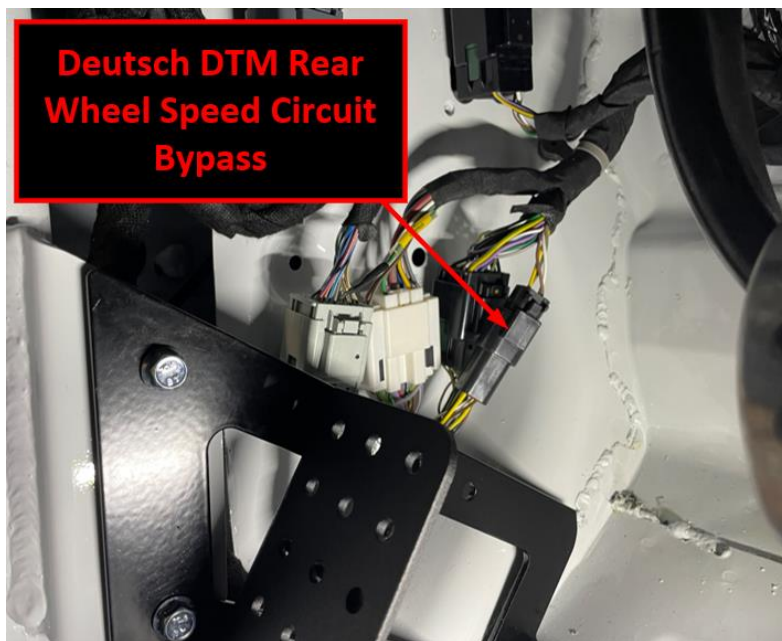


Figure (C)



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Step 2:

Supplies needed are listed below in Figure D. Items are grouped by each mating connector. *Items listed in blue will build one complete connector with socket (female) contacts. Items listed in green will build one complete connector with pin (male) contacts.*

Figure (D)

Description	Part Number	Quantity
Connector Body	DTM06-4S	1
Contact Lock	WM-4S	1
Socket Contact	M39029/5-115	4
Connector Body	DTM04-4P	1
Contact Lock	WM-4P	1
Pin Contact	M39029/4-110	4

Modification Procedure:

- Using flush cut snips, cut the wires at inline connector C264 cavities 12 (YE), 13 (BN-GN), 27 (WH) & 28 (BN) flush with the connector bodies on both sides of inline connector C264 as seen in Figure F. *Connector view for C264 can be seen in Figure E. Cavities highlighted in red.*

Figure (E)

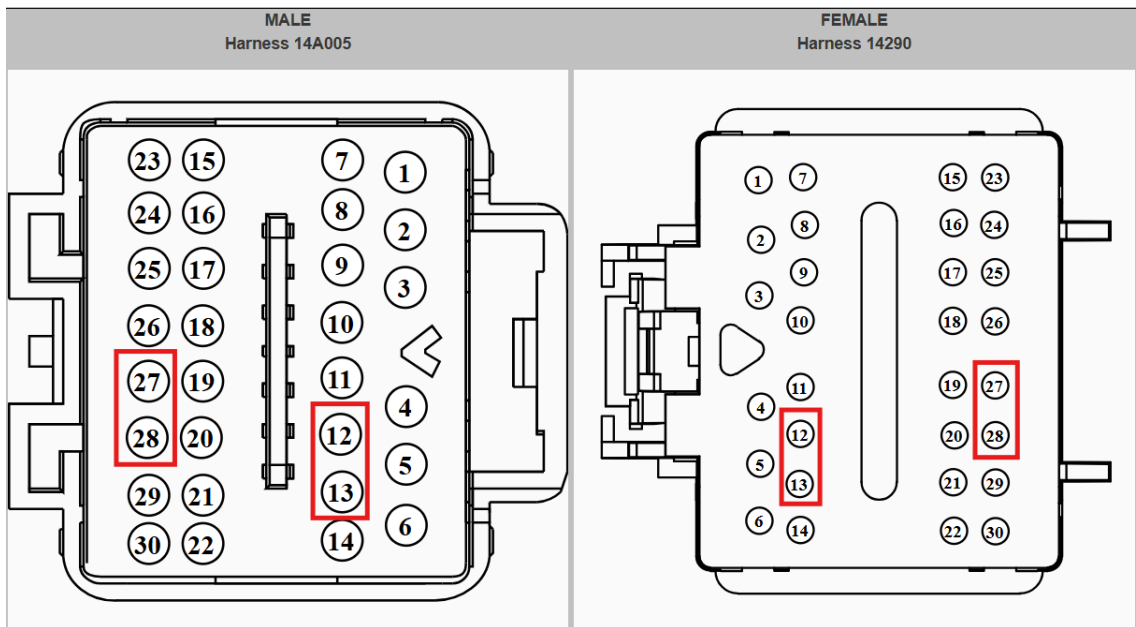
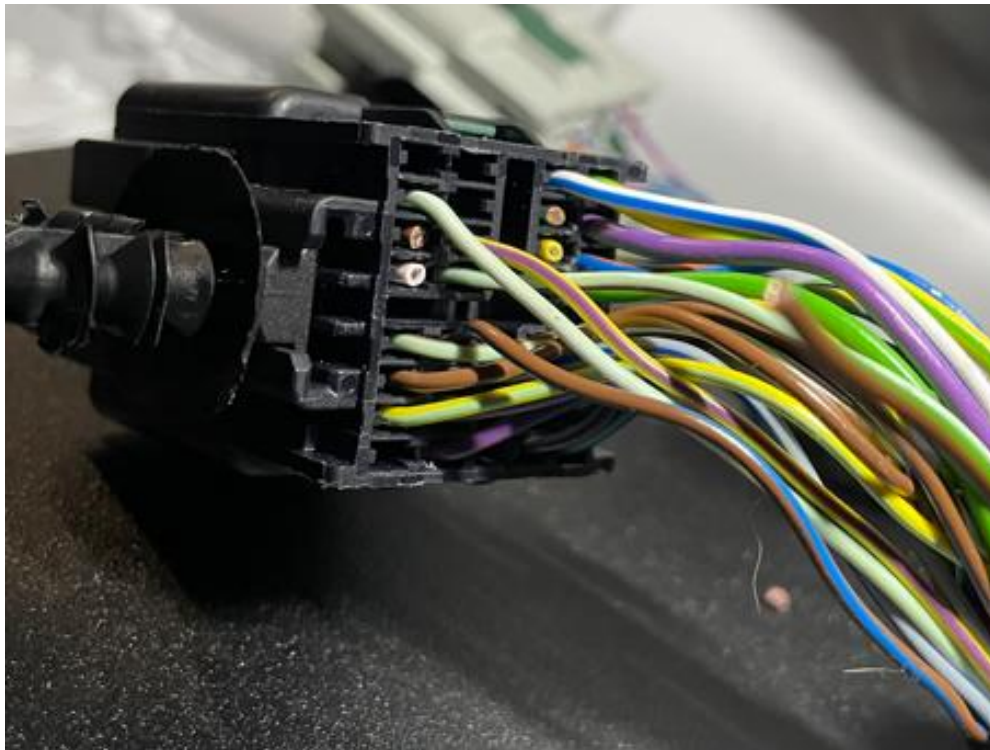


Figure (F)



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- b) Strip enough insulation from all 8 wires removed from connector C264 to accept the contacts listed in Figure D.
- c) Using proper crimp tool (AF8 crimp tool w/ TH1A locator [*or other applicable crimp tool designed for size 20 mil-spec solid contacts*]), crimp [socket contact\(s\) \(M39029/5-115\)](#) on one YE, one BN-GN, one WH & one BN wire removed from C264. Crimp [pin contact\(s\) \(M39029/4-110\)](#) on the remaining YE, BN-GN, WH & BN wires.
- d) Assemble DTM connectors as shown in Figure G (Pinout Chart).

Figure (G)

Connector Body	Cavity	Wire Color	Removed From
DTM06-4S (Socket Contacts)	1	YE	C264-12
	2	BN-GN	C264-13
	3	WH	C264-27
	4	BN	C264-28
DTM06-4P (Pin Contacts)	1	YE	C264-12
	2	BN-GN	C264-13
	3	WH	C264-27
	4	BN	C264-28

- e) After crimped contacts are in their appropriate cavities as outlined in Figure G, continue with inserting appropriate contact lock(s) into each connector body.
- f) Connect and store mating DTM connectors as part of this modification near C264. Completed modification will look similar to Figure C.

TSB Complete