Q-274R2

SVE BULLETIN

SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

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QVM BULLETIN: Q-274R2 DATE: 16 / SEP / 2020

2017 THROUGH 2019 F-SERIES SEPARATING STOP / TURN SIGNALS

REVISION	UPDATE	REVISION DATE
Q-274R2	Updated Bulletin with Model Year Cutoff Date	16SEP2020
Q-274R1	Added information on 2018 MY brake signal feed for added CHMSL.	23FEB2020
Q-274	INITIAL RELEASE	15JUN2017

MODEL(S) AFFECTED:
2017 - 2019 Model Year F-250/350/450/550

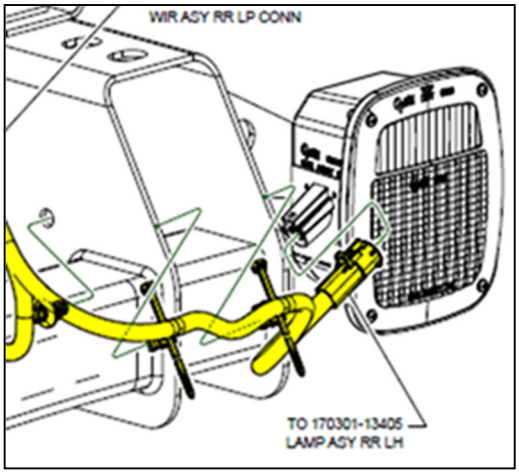
ISSUE / DESCRIPTION:
Some 2017 and later Model year Super Duty Chassis Cab vehicles require separate stop and turn signals. The following procedure should be followed in order to separate stop/turn signals.

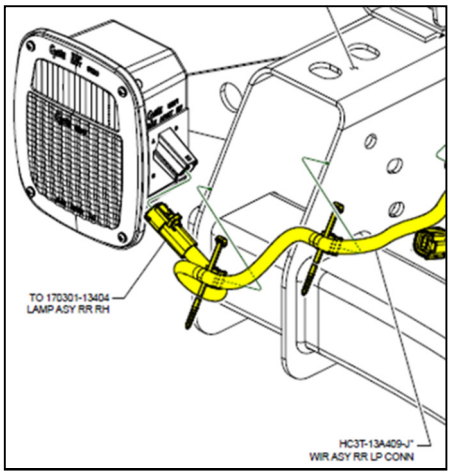
In order to separate stop/turn signals, the BCM must be reconfigured to change the stop/ turn signal output to the tail lamps from combined stop/turn to turn only. A stop signal is provided as part of the customer access circuits.

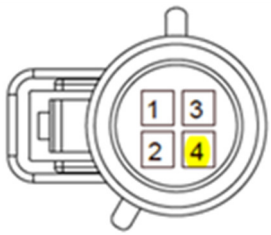
BCM Configuration Change:
Use an Integrated Diagnostic System (IDS) service tool with update version 105.04 or later to configure the Tail lamps. These settings can be found under *Toolbox > Module Programming > Programmable Parameters > Exterior Lighting > Rear Turn Lamp Configuration > Stop Turn >Turn Only*

Additionally, the rear lamp signal may be configured for use with either halogen or LED turn signals. These settings can be found under *Toolbox > Module Programming > Programmable Parameters > Exterior Lighting > Frequency Selection > Stop Turn > Halogen or LED*

The turn-only signal can be accessed at the tail lamp connector.



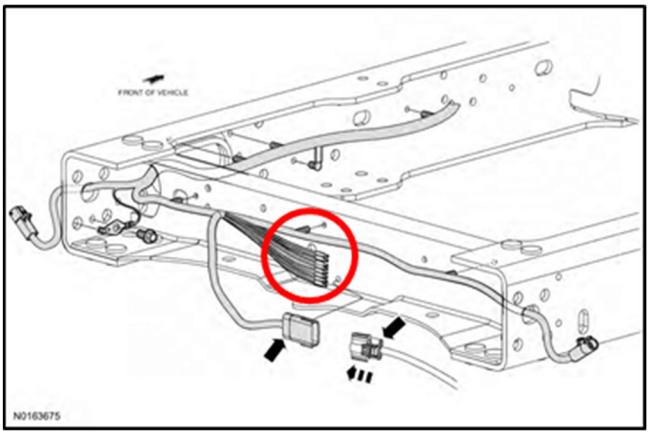


CLS27 (GN/VT) in Cavity 4, RH Lamp	 F3LB-14A624-GB
CLS23 (GY/BN) in Cavity 4, LH Lamp	

Each turn signal circuit is powered through the BCM and is Field Effect Transistor (FET) protected. Do not exceed a lamp load of 2.9 Amps, or BCM damage could result.

Stop Signal Access:

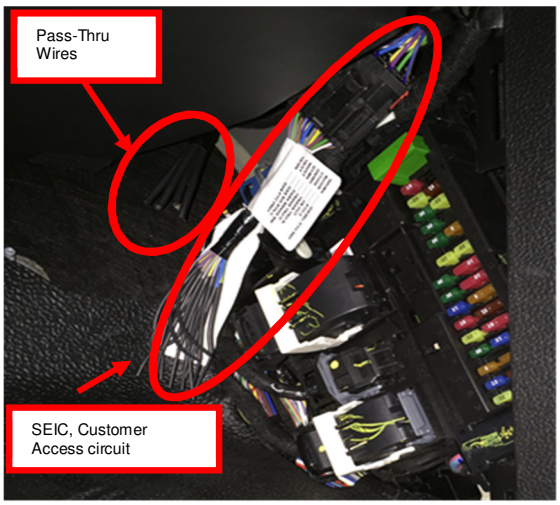
2018 Model Year and Later - A stop signal circuit is provided at the end of frame on the left hand (driver) side, in addition to the feed provided as part of the customer access circuits (located behind the passenger kick panel).



Wire Color	Circuit No.	Circuit Intent	Description
Violet	CBP04	High Mount Stop	**6.7L Diesel, 6.2L / 6.8L Gas – BCM Pin C2280G-7**
			Intended for upfitter added CHMSL. BCM fuse F4, 5 Amp – Blunt cut taped to harness at rear of frame on left hand side

2017 Model Year - A stop signal is provided as part of the customer access circuits. The feed is located behind the passenger kick panel in the customer access pigtail only.

The service brake output signal is fused at 5 Amps and may be used to control a relay. This signal can be passed through the firewall using the pass-through circuits. The upfitter will need to run a circuit to the rear of the vehicle. A relay may be used



Conn. Pin #	Wire Color	Wire Tag	Circuit No.	Circuit Intent	Description
1	Violet	CBP04	CBP04	Service Brake signal output	**6.7L Diesel, 6.2L / 6.8L Gas – BCM Pin C2280G-7**
					Intended for aftermarket Trailer Brake controller. BCM fuse F4, 5 Amp

Refer to the Body Builder Layout Book for additional guidelines and recommendations. If you have any questions, please contact the Ford Body Builders Advisory Service as shown in the header of this bulletin.