

Trucks with a Ford Trailer Brake Controller

All 2017 F-Super Duty vehicles equipped with a factory Trailer Brake Controller (TBC) utilize a Trailer Module (TRM) which initiates the trailer charging system. For trailer charging to operate, the TRM must detect a connected trailer and a brake pedal input before charging will be present at the trailer connector. Adding the trailer battery charge relay and fuse into the battery junction box are not required to operate trailer charging with a TRM.

Trucks not equipped with Ford Trailer Brake Controller

A service kit (**HC3Z-19H332-A**) is available for upfitters wishing to install the Ford Trailer Brake Controller on a vehicle that was not equipped with one from factory. The vehicle must be equipped with either Trailer Tow Package (option code 531) or Max Trailer Tow Package (option code 535) for the kit to be functional.

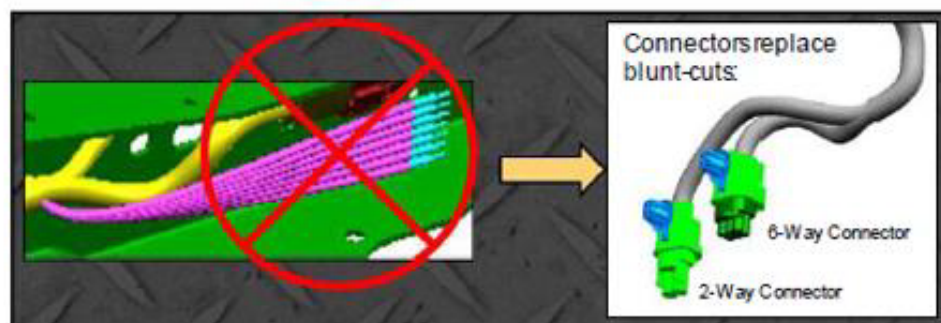
Upfitters Installing Additional Body Lighting

The trailer relays are controlled through BCM outputs. The trailer circuits have the following fuse ratings:

- Reverse Lamps: 10A
- Stop / turn signals: 30A (combined left and right)
- Trailer Battery Charge: 30A (only available with trailer brake controller service kit installed).

Aft Harness Connectors (Chassis Cab)

All Super-Duty harness now come with standard connectors (in lieu of blunt-cut wires) on the body trailer-tow harness at the aft end of the frame.



Service Part # **FU5Z-14489-A**
4/7-way Trailer-tow Connector



Service Part # **LC3Z-13A576-A**
5-ft Jumper Harness

(Compatible with added trailer-tow connectors)



Aft Harness Mating Connectors (Chassis Cab)

For utilization of the body harness connectors to power the lighting on an upfit body, see the mating part and pinout information below. All supplier parts are Yazaki.

2-Way Connector

Connector:

Ford Part

JU5T-14A624-YA

Yazaki Part

7286-9860-10

Terminal:

97BG-14421-CFA

7114-4142-02

[Wire size/type: 3.0mm² / 3TAE]

Cable Seal:

97BG-10C930-LA

7158-3083

6-Way Connector

Connector:

Ford Part

XW4T-14A624-CAA

Yazaki Part

7282-5577-10

Terminals:

97BG-14421-BEA

7114-4151-02 (1.0 mm)

97BG-10C930-FA

7158-3112-70 (1.0 mm)

97BG-14421-BFA

7114-4152-02 (2.5 mm)

97BG-10C930-GA

7158-3113-40 (2.5 mm)

FU5T-14421-CA

7114-4153-02 (3.0 mm)

F8ZB-14603-AA

7158-3110-40 (3.0 mm)

Cable Seal:

97BG-10C930-EA

7158-3111-60

97BG-10C930-FA

7158-3112-70

97BG-10C930-GA

7158-3113-40

Cavity Plug:

97BG-10C930-HA

7158-3114-90

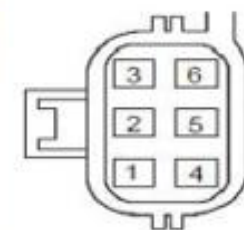
JU5T-14A624-YA (2-Way)

Chassis Cab JU5T-14A624-YA Circuit Info			
Circuit #	Cavity #	Color	Function
CAT19	1	BU	TRAILER BRAKE CONTROL OUT
GD477	2	BU/GY	GROUND



XW4T-14A624-CAA (6-Way)

Chassis Cab XW4T-14A624-CAA Circuit Info			
Circuit #	Cavity #	Color	Function
CAT06	1	YE	LH TURN/STOP
CAT11	2	BN	TAIL/PARK LAMPS
CAT03	3	GY/BN	REVERSE LAMPS
CAT09	4	GN	RH TURN/STOP
CAT14	5	OG	12V BATTERY PWR
	6		NOT USED



NOTE: Check with dealer / supplier for latest part levels.