

**FORD F- Series MY2017 PTO Wiring**

As the new FORD MY2017 Super Duty trucks have rolled out, so have some changes regarding the wiring of the PTO. Chelsea has worked closely with the FORD Motor Co. to provide input and feedback regarding the new changes and features. This bulletin reflects the highlights of those changes and some notable features.

Super Duty (F250-550) Summary:

- New FORD wiring connector (pigtail) located at the passenger side kick panel.
  - See attached page for illustration
- Mobile Mode now available for Gas applications.
- Gasoline 6.2L and 6.8L share the same wiring instructions.
- PTO Relay Feedback wire (Chelsea Blue Wire) is no longer needed.
- See FORD Q-256 and Q-259 SVE Bulletins for more information.

Medium Duty (F650/750) Summary (Changes released in May 2016):

- Blunt-cut wires for SEIC are still located on the left-hand side of the driver's foot well behind the data link connector.
- See FORD Q248R1 SVE Bulletin for more information.

For the latest and most up-to-date information regarding FORD trucks, consult FORD

<https://www.fleet.ford.com/truckbbas/> for details.

If you have questions about this bulletin or other technical questions, contact us at:

US: Chelsea Customer/Technical Services **1-888-PH4-TRUK** (1-888-744-8785)  
Canada: Parker Hannifin Canada 1 905-693-3020  
Europe: Parker Hannifin Europe +49 (0) 371 3937 157



Curtis Dalton  
Product Sales Manager  
Chelsea Products

## 2017 FORD Super Duty (F250-550) Wiring location and details

### **Customer Access Circuit / SEIC Wire Locations**

SEIC circuits, Customer Access Signal Circuits, Pass-Thru Wires.

#### **F250/350/450/550**

Cabin /Passenger Kick Panel

- Blunt-cut access wires for SEIC, "Customer Access" signal circuits for CTO, VS\_OUT, TRO\_P, TRO\_N, and 4 pass-thru wires, are bundled together at this location behind the passenger side kick panel.



Above image taken from Ford SVE Bulletin Q-256 dated 8/29/2016

**NOTE:** 2017 FORD Medium Duty (F650/750) wiring location is still on the driver side and does not include a removable wiring harness.

# 2017 FORD Super Duty - F-250 thru F-550

**Wiring Location:**  
Passenger Side Kick Panel

6.2L or 6.8L GAS - STATIONARY				
Wiring Harness 75-P-39				
Function	Ford Circuits	Ford Pin Numbers	Ford Colors	Chelsea Color
PTO_VREF	LE424	18	Yellow/Green	Yellow/Green
PTO_RTN	RE407	16	Yellow/Violet	Yellow/Violet
PTO_RPM	CE914	09	Green	Green
12V IGN	CBP22 (CBB)	02	Green/Orange	Yellow/Gray
PTO_REQ1	CE912	07	Yellow/Green	Yellow/Blue
PTO_REQ2	CE933	11	Not Used	
PTO_RLY	CE326	04	Blue/White	Blue/White

6.2L or 6.8L GAS - MOBILE				
Wiring Harness 75-P-39				
Function	Ford Circuits	Ford Pin Numbers	Ford Colors	Chelsea Color
PTO_VREF	LE424	18	Yellow/Green	Yellow/Green
PTO_RTN	RE407	16	Yellow/Violet	Yellow/Violet
PTO_RPM	CE914	09	Green	Green
12V IGN	CBP22	02	Green/Orange	Yellow/Gray
PTO_REQ1	CE912	07	Not Used	
PTO_REQ2	CE933	11	Blue/Orange	Yellow/Blue
PTO_RLY	CE326	04	Blue/White	Blue/White

NOTE: Chelsea BLUE wire in the 75-P-39 Wiring Harness is not required for MY2017.

6.7L DIESEL - STATIONARY				
Wiring Harness 329616X				
Function	Ford Circuits	Ford Pin Numbers	Ford Colors	Chelsea Color
PTO_VREF	LE434	10	White/Brown	White
PTO_RTN	RE327	06	Gray/Violet	Gray
PTO_RPM	CE914	09	Green	Green
12V IGN	CBP22	02	Green/Orange	Purple
PTO_REQ1	CE912	07	Yellow/Green	Yellow
PTO_REQ2	CE933	11	NOT USED	
PTO_RLY	CE326	04	Blue/White	Blue/White

6.7L DIESEL - MOBILE				
Wiring Harness 329616X				
Function	Ford Circuits	Ford Pin Numbers	Ford Colors	Chelsea Color
PTO_VREF	LE434	10	White/Brown	White
PTO_RTN	RE327	06	Gray/Violet	Gray
PTO_RPM	CE914	09	Green	Green
12V IGN	CBP22	02	Green/Orange	Purple
PTO_REQ1	CE912	07	NOT USED	
PTO_REQ2	CE933	11	Blue/Orange	Yellow
PTO_RLY	CE326	04	Blue/White	Blue/White

NOTE: Gas and Diesel Applications - ONLY PTO REQ 1 (Stationary Mode) or PTO REQ 2 (Mobile Mode) is used for MY2017, not both.

Refer to FORD SVE Bulletins on <https://www.fleet.ford.com/truckbbas/> for more information regarding the wiring of your specific truck.  
SVE Bulletin Numbers Q-248R1, Q256, and Q259.

# 2017 Medium Duty - F-650 thru F-750

Wiring Location:  
Driver Side behind Data Link

6.8L GAS - STATIONARY			
Chelsea Wiring Harness 75-P-39			
Function	Ford Circuits	Ford Colors	Chelsea Color
PTO_VREF	LE424	Yellow/Green	Yellow/Green
PTO_RTN	RE407	Yellow/Violet	Yellow/Violet
PTO_RPM	CE914	Green	Green
12V IGN	CBB35	Yellow/Gray	Yellow/Gray
PTO_REQ1	CE912	Yellow/Blue	Yellow/Blue
PTO_REQ2	CE933	NOT USED	
PTO_RLY	CE326	Blue/White	Blue/White

6.8L GAS - MOBILE			
Chelsea Wiring Harness 75-P-39			
Function	Ford Circuits	Ford Colors	Chelsea Color
PTO_VREF	LE424	Yellow/Green	Yellow/Green
PTO_RTN	RE407	Yellow/Violet	Yellow/Violet
PTO_RPM	CE914	Green	Green
12V IGN	CBB35	Yellow/Gray	Yellow/Gray
PTO_REQ1	CE912	NOT USED	
PTO_REQ2	CE933	Blue/Red	Yellow/Blue
PTO_RLY	CE326	Blue/White	Blue/White

NOTE: Chelsea BLUE wire in the 75-P-39 Wiring Harness is not required for MY2017.

6.7L Diesel, STATIONARY			
Chelsea Wiring Harness 329616X			
Function	Ford Circuits	Ford Colors	Chelsea Color
PTO_VREF	LE434	White/Brown	White
PTO_RTN	RE327	Gray/Violet	Gray
PTO_RPM	CE914	Green	Green
12V IGN	CBB35	Yellow/Gray	Purple
PTO_REQ1	CE912	Yellow/Green	Yellow
PTO_REQ2	CE933	NOT USED	
PTO_RLY	CE326	Blue/White	Blue/White

6.7L Diesel, MOBILE			
Chelsea Wiring Harness 329616X			
Function	Ford Circuits	Ford Colors	Chelsea Color
PTO_VREF	LE434	White/Brown	White
PTO_RTN	RE327	Gray/Violet	Gray
PTO_RPM	CE914	Green	Green
12V IGN	CBB35	Yellow/Gray	Purple
PTO_REQ1	CE912	NOT USED	
PTO_REQ2	CE933	Blue/Red	Yellow
PTO_RLY	CE326	Blue/White	Blue/White

NOTE: Gas and Diesel Applications - ONLY PTO REQ 1 (Stationary Mode) or PTO REQ 2 (Mobile Mode) is used for MY2017, not both.

Refer to FORD SVE Bulletins on <https://www.fleet.ford.com/truckbbas/> for more information regarding the wiring of your specific truck. SVE Bulletin Numbers Q-248R1, Q256, and Q259.