

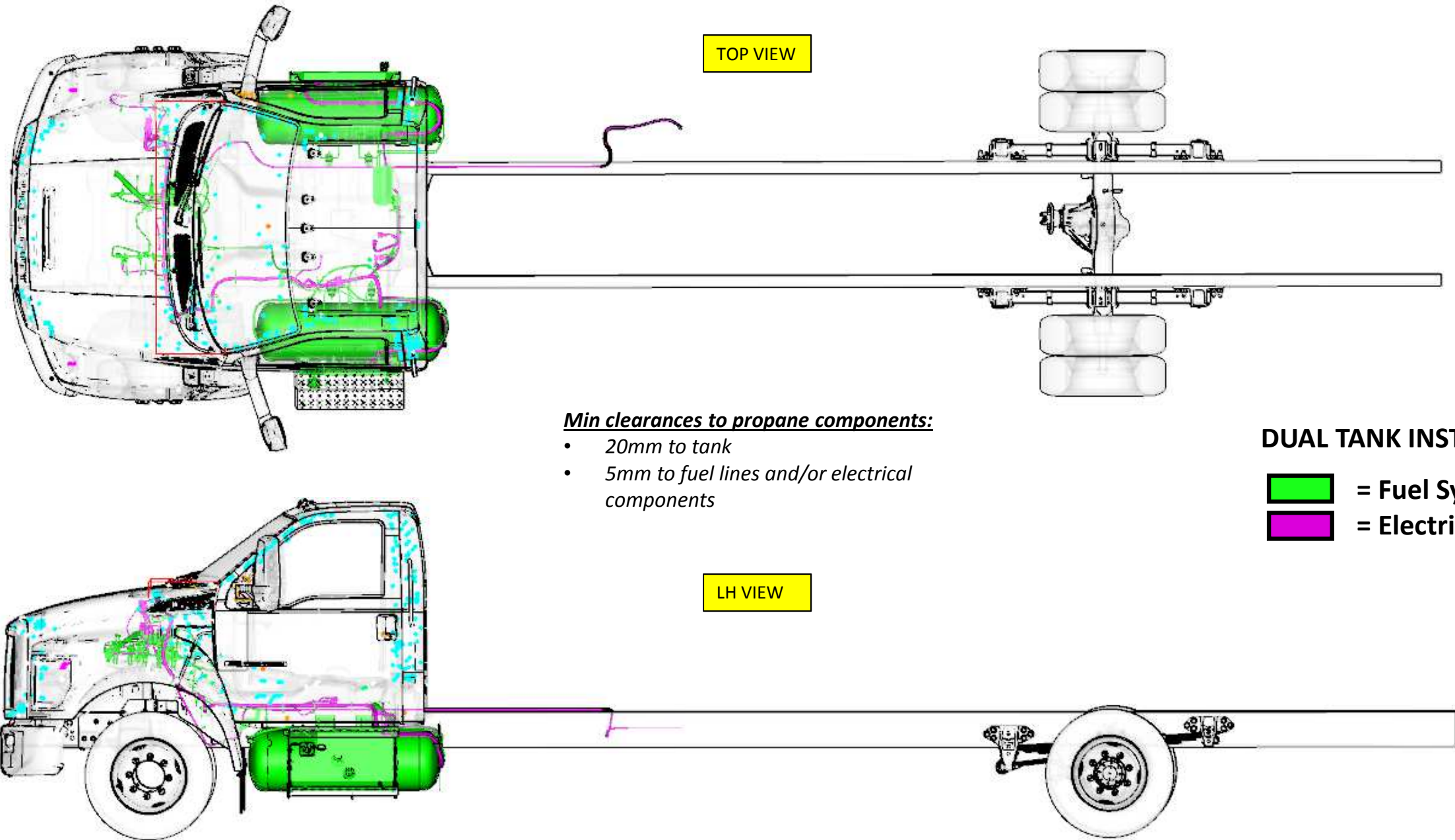
2017+ Ford F650/750

Gen 4 Liquid Propane Autogas Fuel System

BODY BUILDERS GUIDE



Contact 800-59-ROUSH for any inquiries



TOP VIEW

LH VIEW

- Min clearances to propane components:**
- 20mm to tank
 - 5mm to fuel lines and/or electrical components

DUAL TANK INSTALLATION

-  = Fuel System
-  = Electrical System

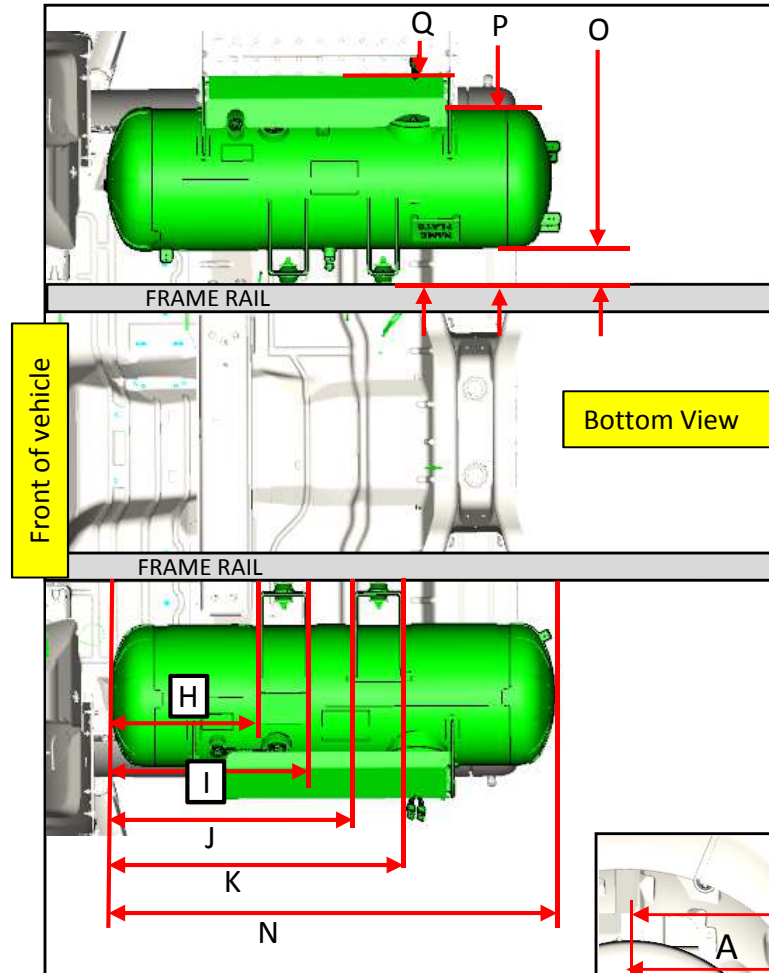
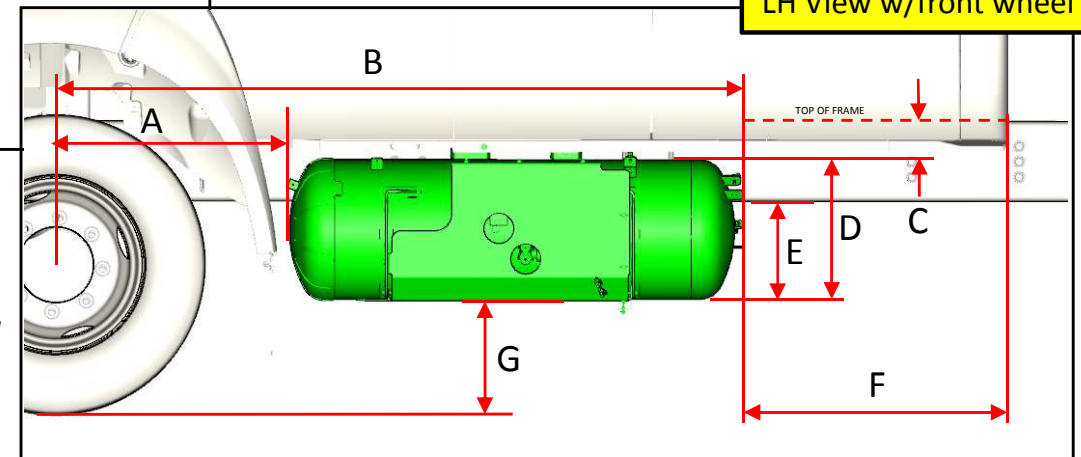
Link to ROUSH CLEANTECH portal: <http://service.roushcleantech.com/>

Applicable to:

- ALL Wheelbases/CA
- Regular Cab
- Super Cab
- Crew Cab



LH View w/front wheel

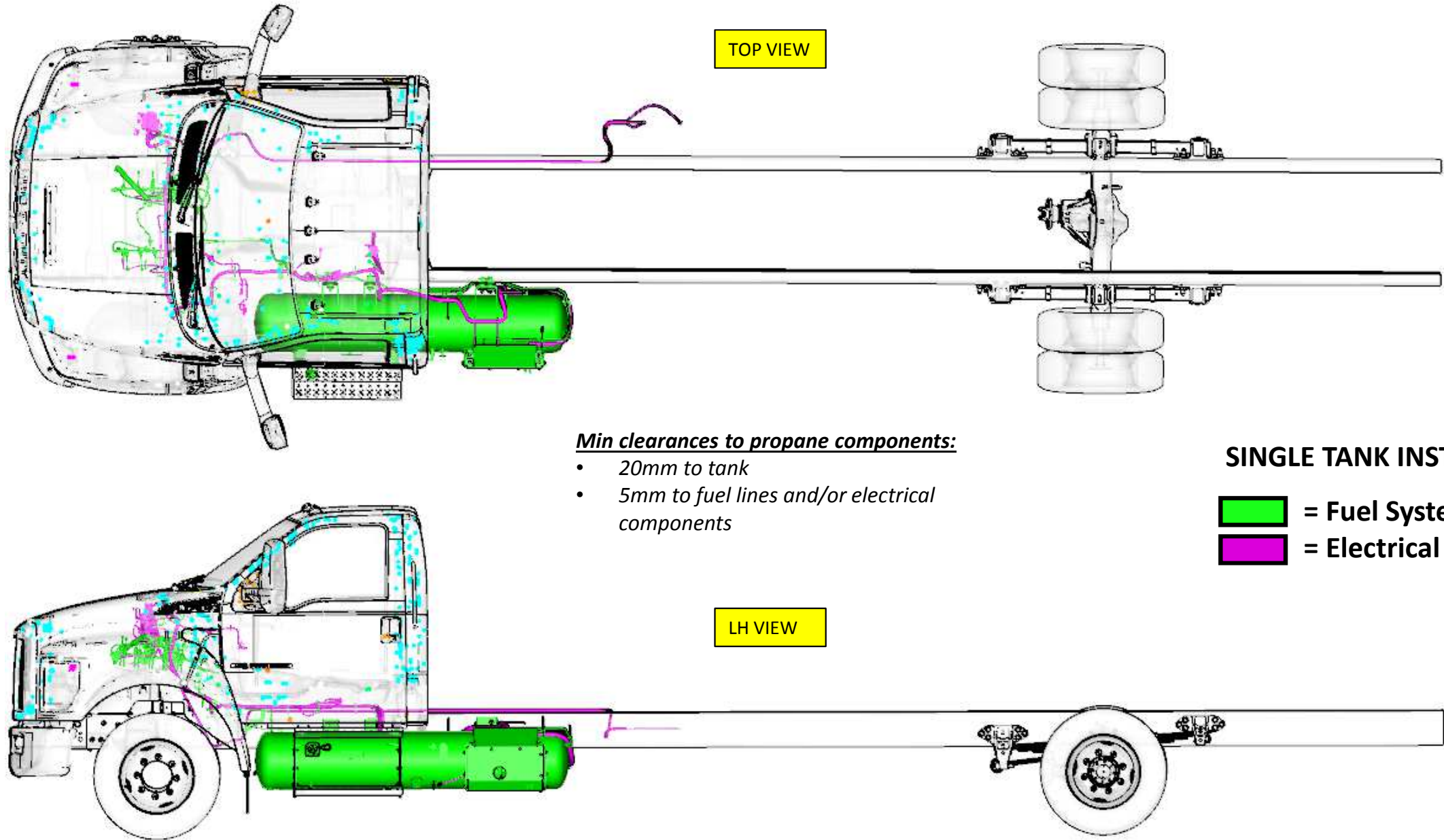


Min clearances to propane components:

- 20mm to tank
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*ALL UNITS IN INCHES

Dual 47" Tank				Dual 51" Tank		
#	Regular Cab (RC)	Super Cab (SC)	Crew Cab (CC)	Regular Cab (RC)	Super Cab (SC)	Crew Cab (CC)
A		27.1			27.1	
B		74			78.2	
C		4.5			4.5	
D		16.0			16.0	
E		11.3			11.3	
F	1.0	21	35.4	4.9	16.9	31.3
G		13.2			13.1	
H		18.5			18.5	
I		22.9			23.0	
J		28.3			30.0	
K		33.8			33.5	
L		---			---	
M		---			---	
N		47			51.2	
O		5.2			4.3	
P		21.1			20.3	
Q		24.1			24.2	



Single 86" Tank

#	Regular Cab (RC)	Super Cab (SC)	Crew Cab (CC)
A		26.9	
B		113	
C		3.6	
D		15.9	
E		11.3	
F	40	19	4.6
G		13.3	
H		18.6	
I		23.1	
J		30.0	
K		33.5	
L		60.7	
M		66.6	
N		86.0	
O		4.3	
P		20.2	
Q		24.2	

Applicable to:

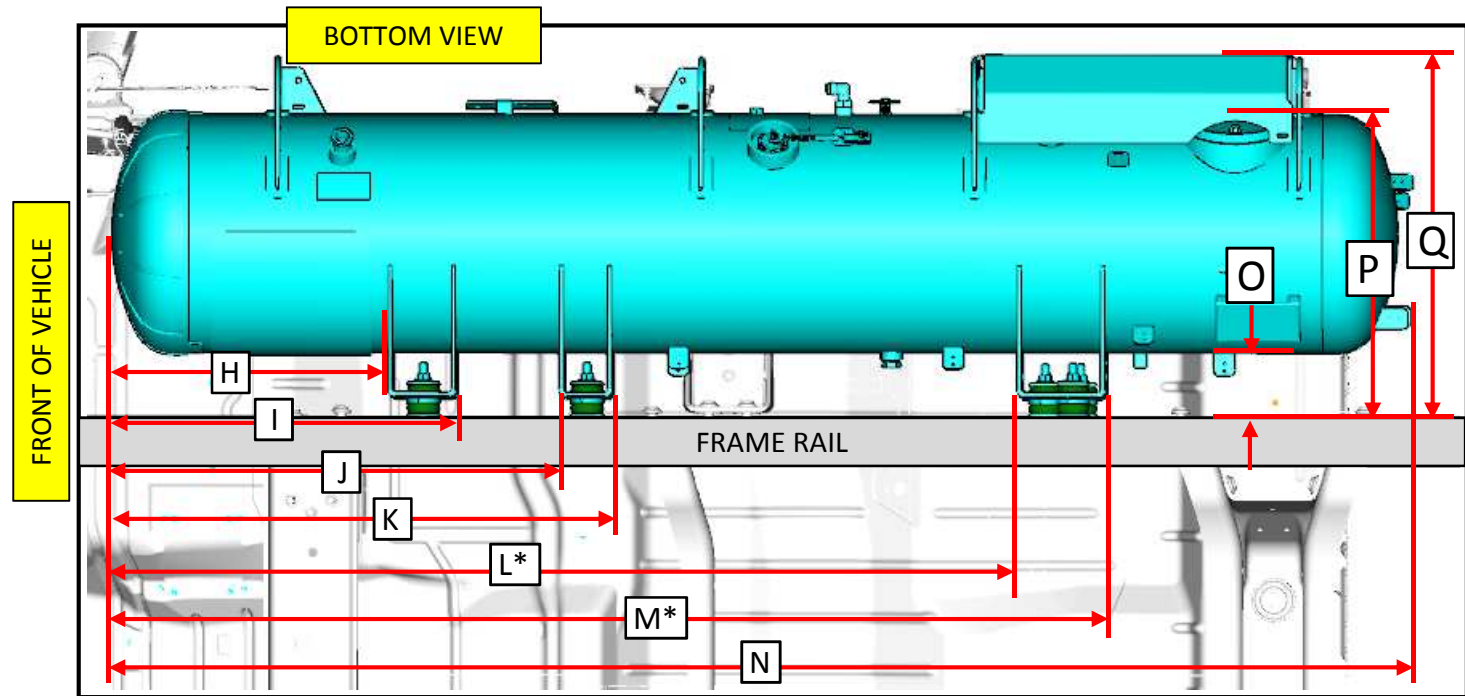
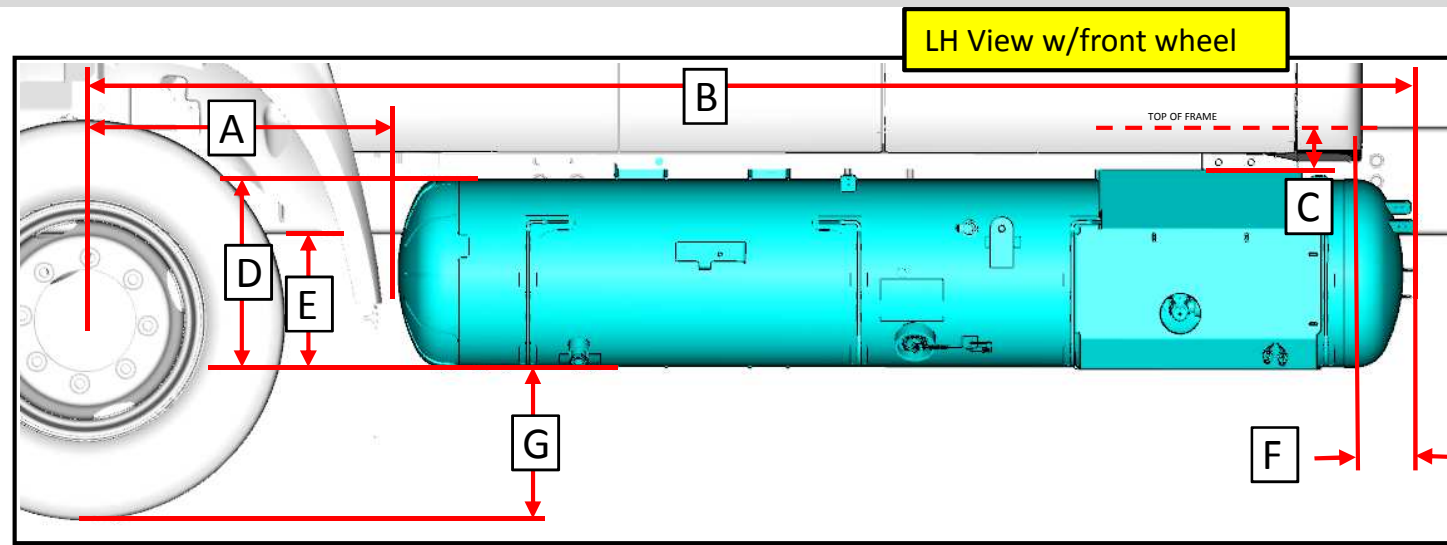
- ALL Wheelbases/CA
- Regular Cab
- Super Cab
- Crew Cab



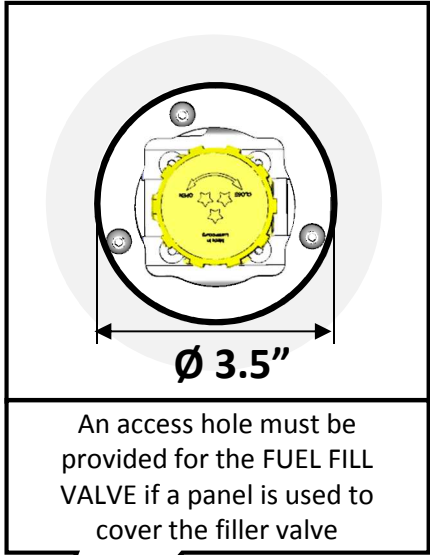
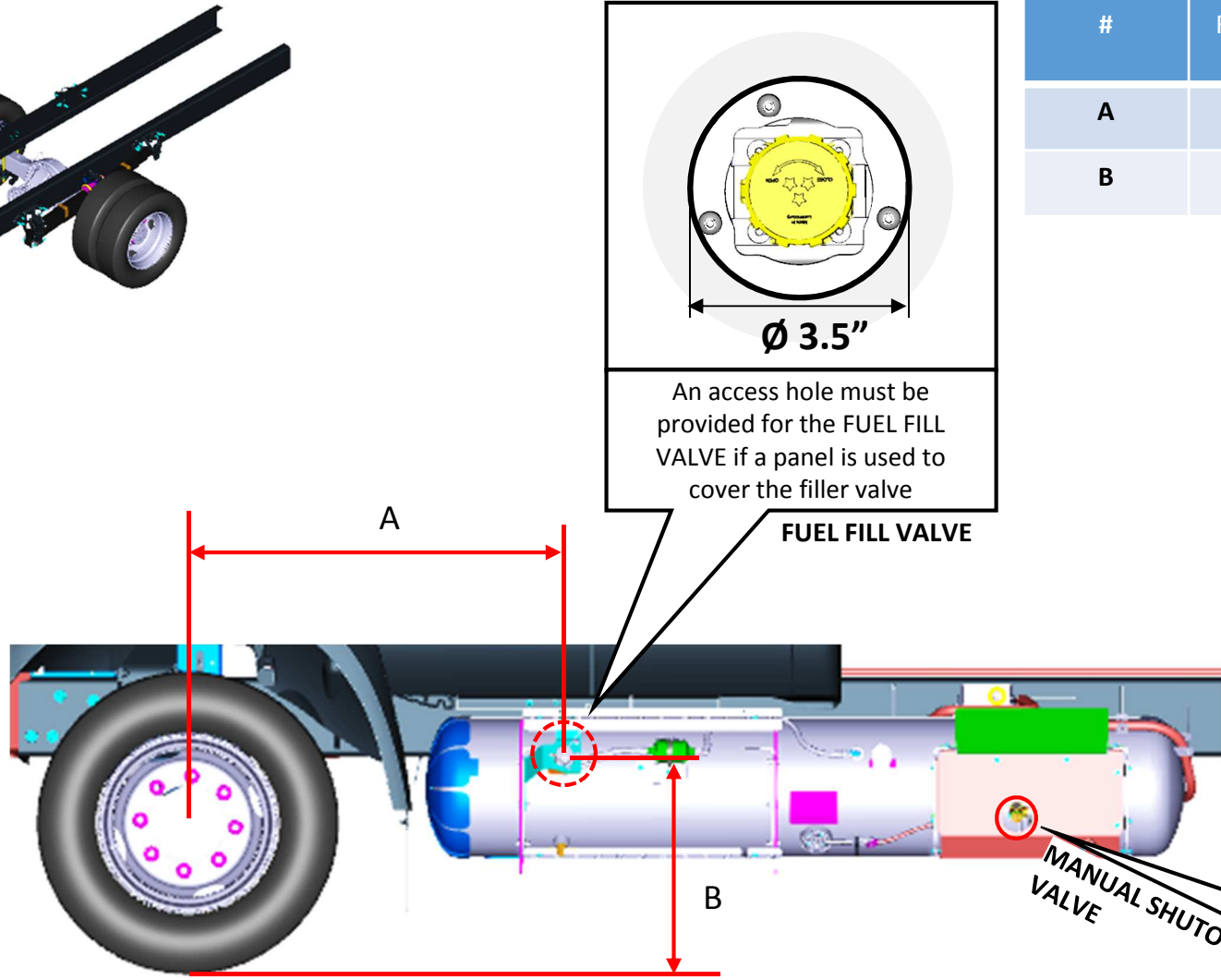
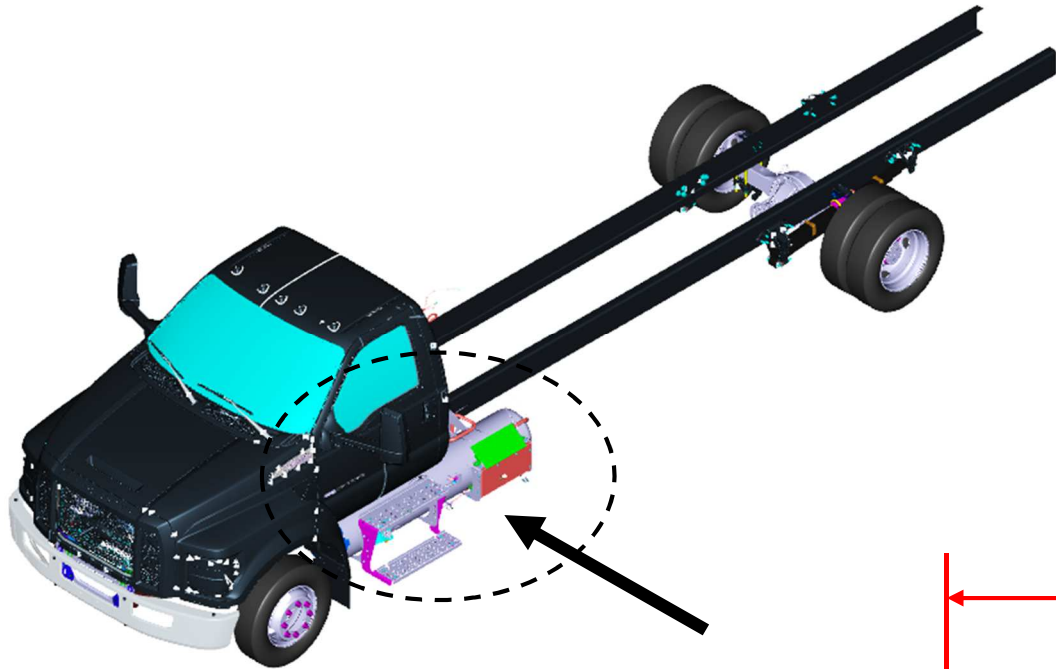
Min clearances to propane components:

- 20mm to tank
- 5mm to fuel lines and/or electrical components

*ALL UNITS IN INCHES



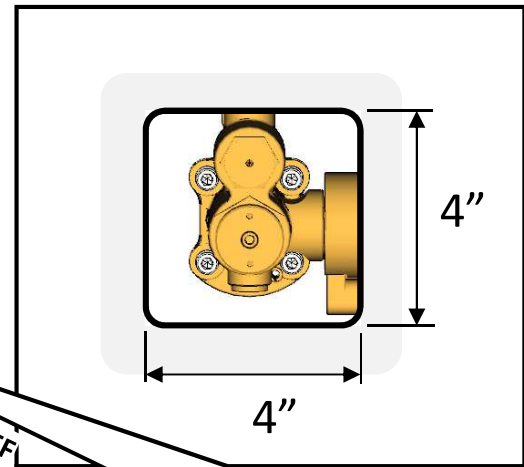
*Note: Only applicable to 86" Tank



#	Regular Cab All Tanks	Super Cab All Tanks	Crew Cab All Tanks
A		42.7	
B		25.2	

*ALL UNITS IN INCHES

Access to manual shutoff valve MUST NOT be impeded.

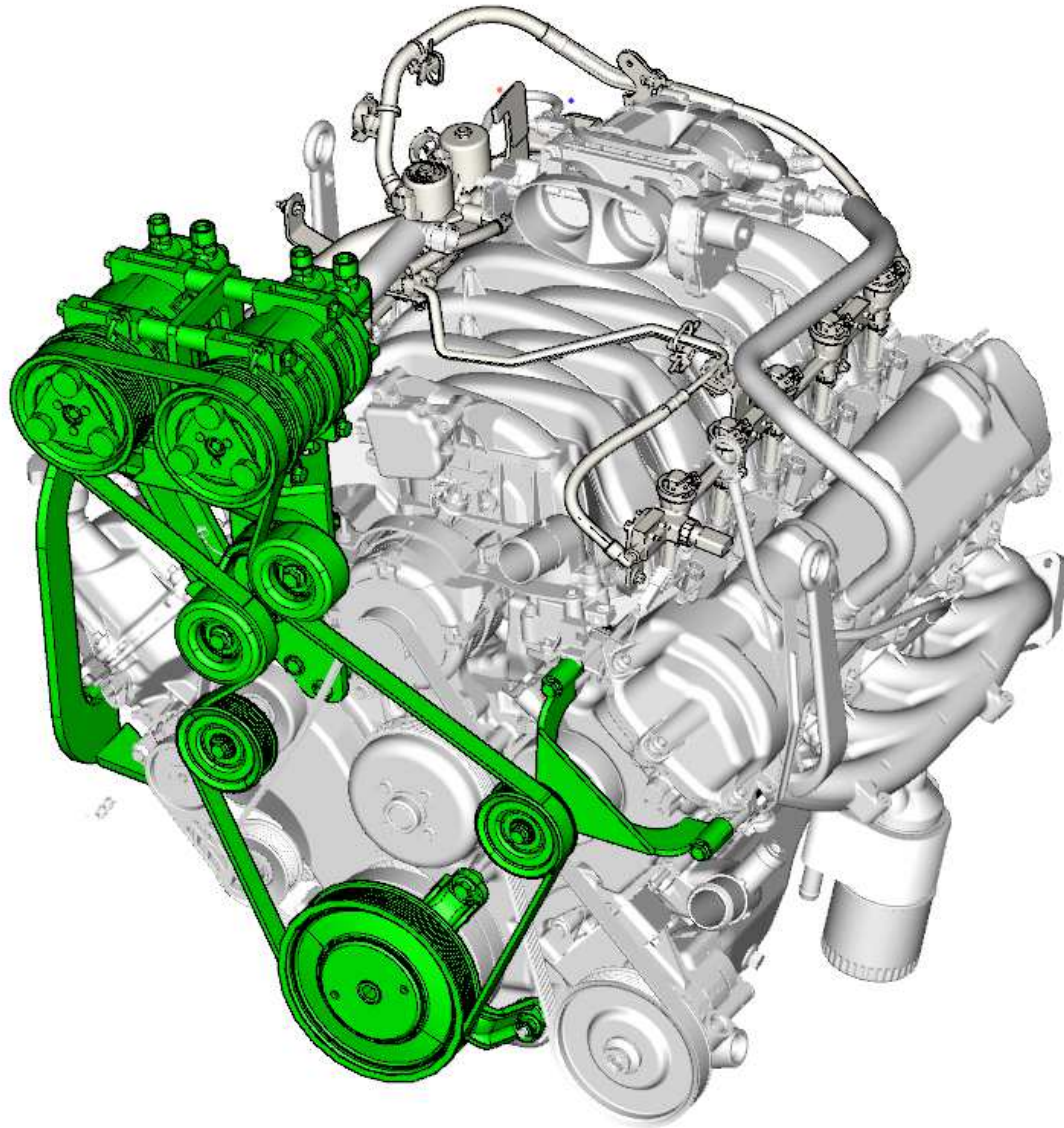


If a panel is to cover the side of the tank, an access hole must be provided for the shutoff valve

Min clearances to propane components:

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LH VIEW W/FRONT WHEEL



Dual AC System from TRANSAIR (Kit #4013447) is the only system verified to be compatible with the Roush Propane fuel system. Other manufacturer systems may not be compatible or may require additional modifications.

Propane fuel system as installed on the Ford 6.8L 3V is highlighted in green.

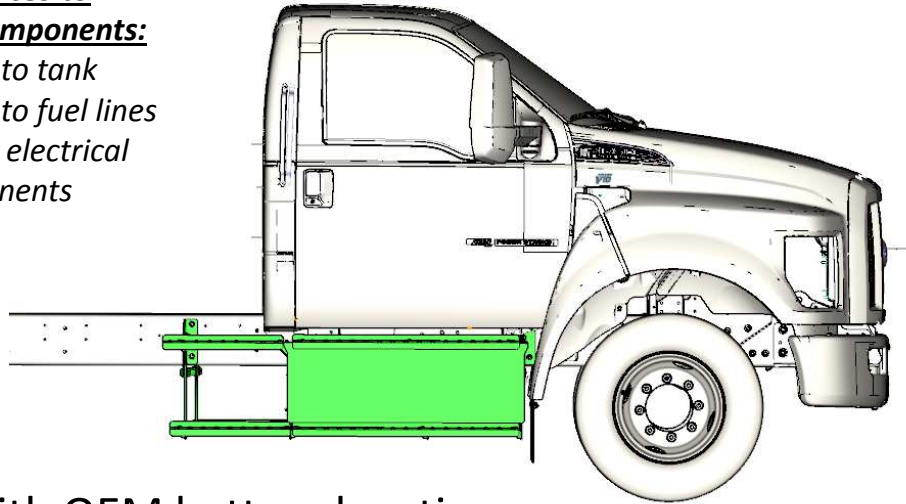
Propane fuel system supports a **DUAL** AC system.

Note: does not support a triple AC system

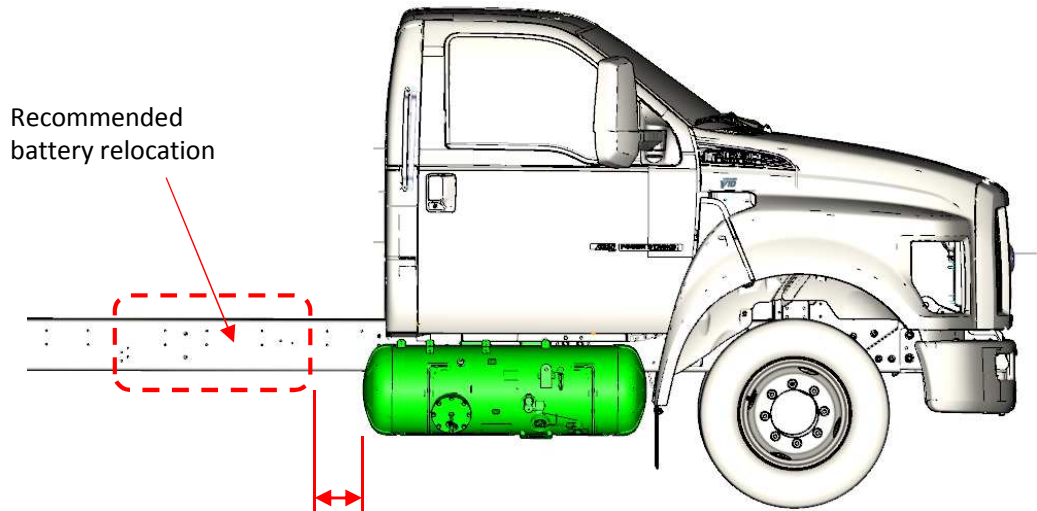
Manufacturer: TransAir (Kit# 4013447)

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F650 with OEM battery location



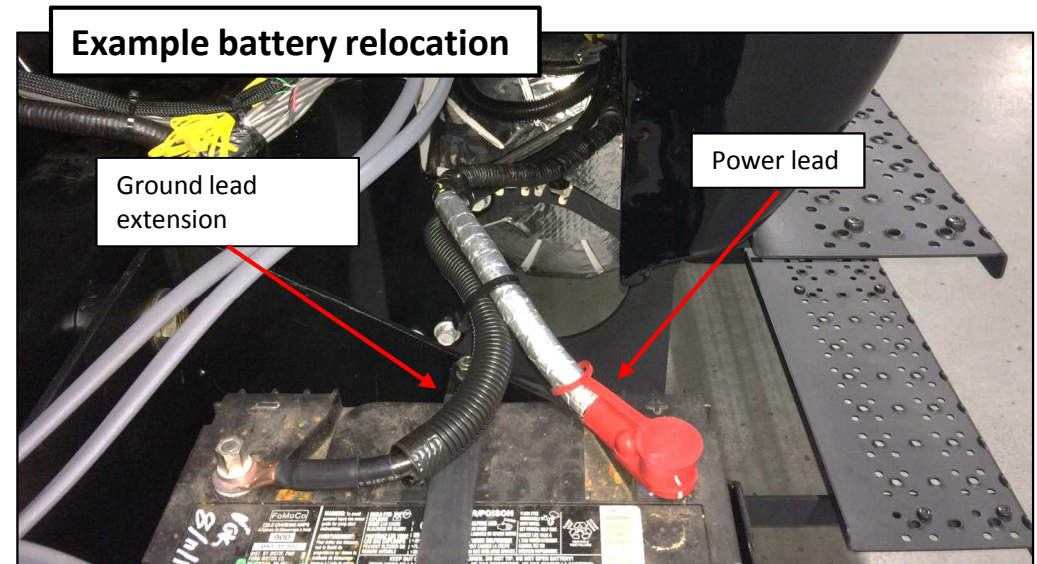
Min 20mm from tank, or
24.9mm from back of cab (RC)

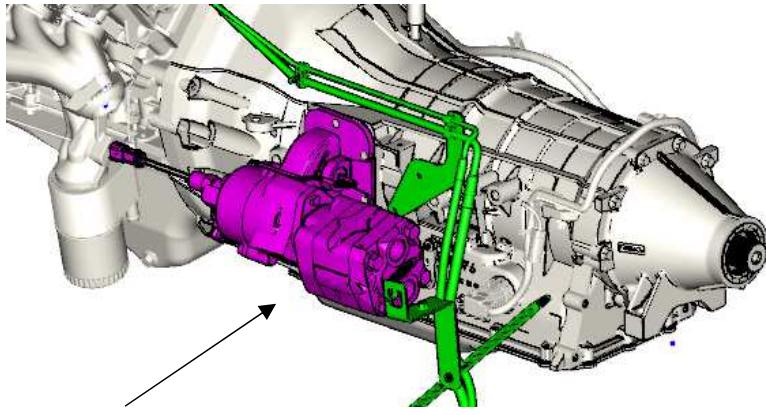
F650 with Propane, 51" tank.

On Dual tank propane fuel systems, the batteries will need to be relocated.



The following modifications are recommendations, and may differ based on the vehicle body being used.

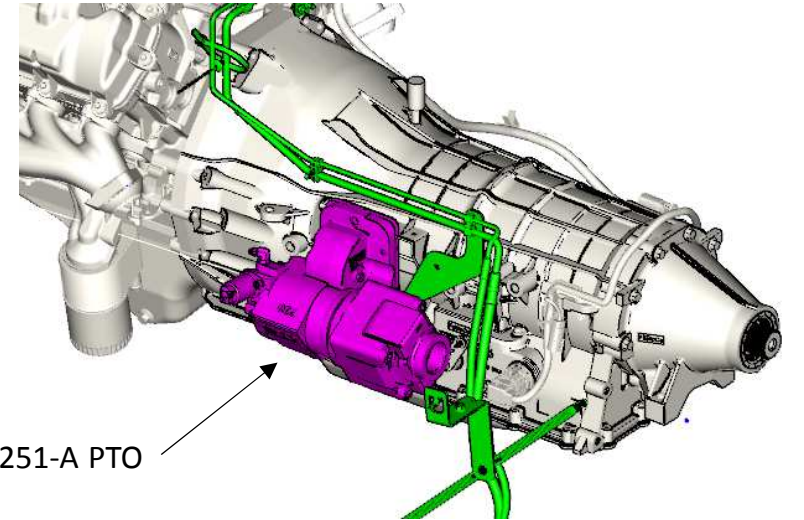
- Relocate battery box directly behind the cab
Note: OEM power lead can be reused if battery box is directly at the back of the cab on the RH side.
- Ground lead must be extended (2/0 AWG Wire)
- Power stud can be used to facilitate wire extension (QTY:2)



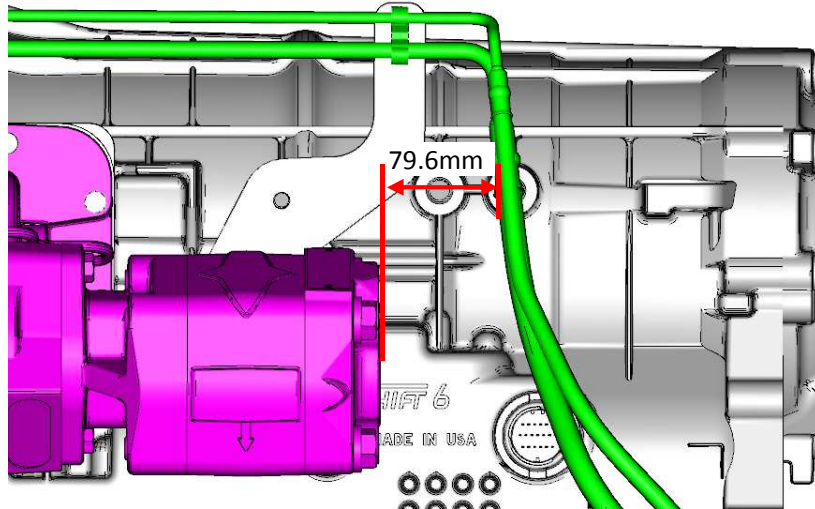


MUNCIE HC3P 7251-D PTO

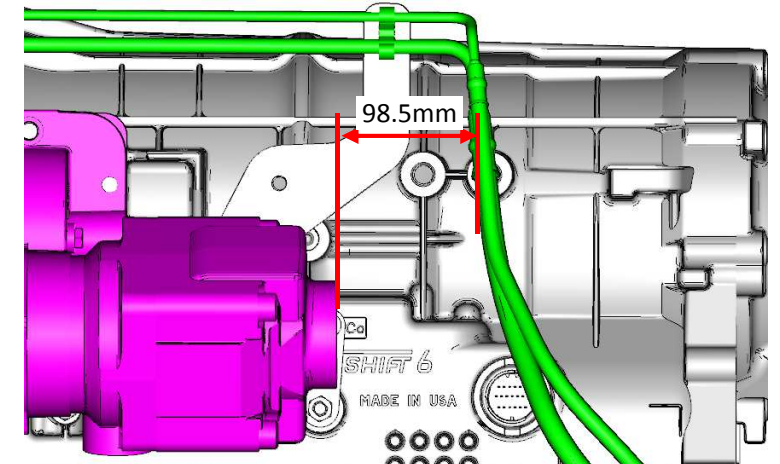
 = Fuel System
 = PTO



CHELSEA HC3P-7251-A PTO



79.6mm Between the MUNCIE PTO and the Propane fuel lines



98.5mm Between the CHELSEA PTO and the Propane fuel lines

Modification may be needed to the routing of the PTO hydraulic lines due to the proximity of the propane fuel lines.

The following two PTO's have been evaluated, with no compatibility issues found. Re-routing of the hydraulic lines from the PTO may be necessary depending on your specific application.

- CHELSEA HC3P-7251-A PTO
- MUNCIE HC3P-7251-D PTO

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