



PROPANE FUEL SYSTEM 2017+ Ford E350/450

P18JC-01F003-AA

2017+ Ford E450

Gen 4 Liquid Propane Autogas Fuel System

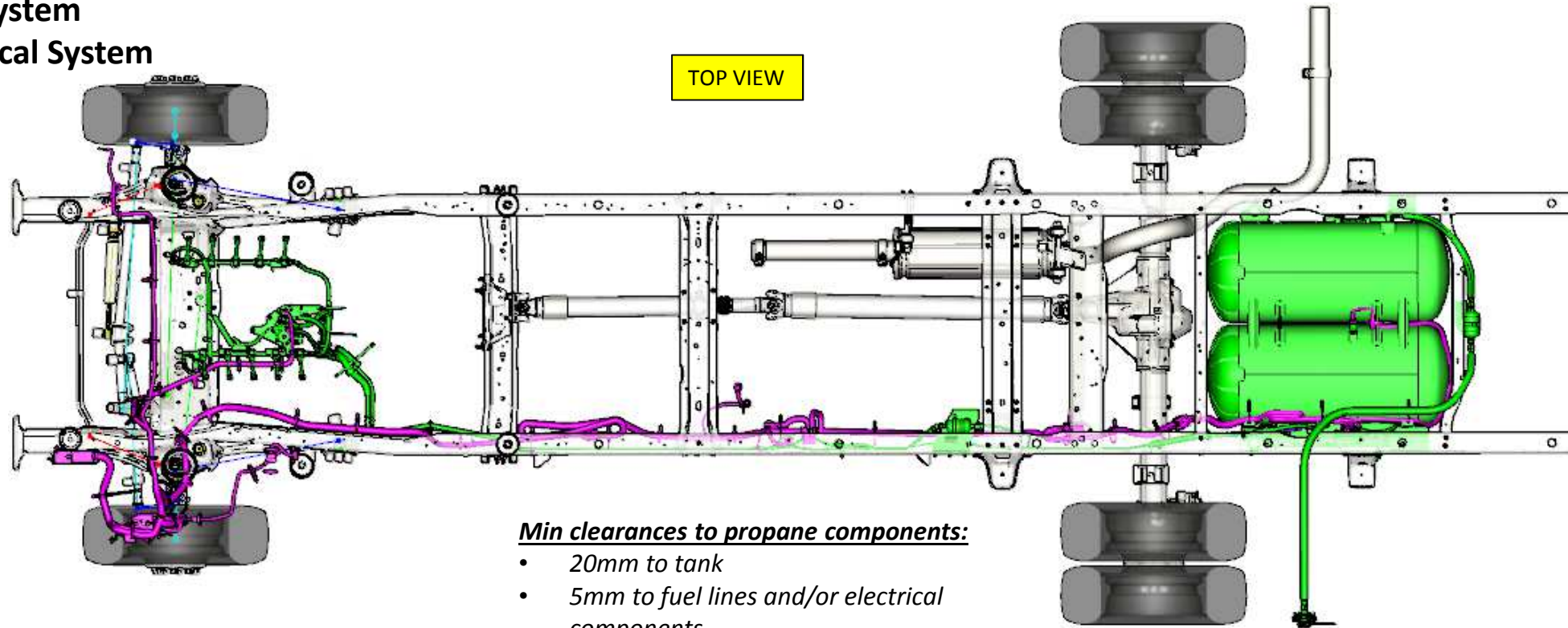
BODY BUILDERS GUIDE



Contact 800-59-ROUSH for any inquiries

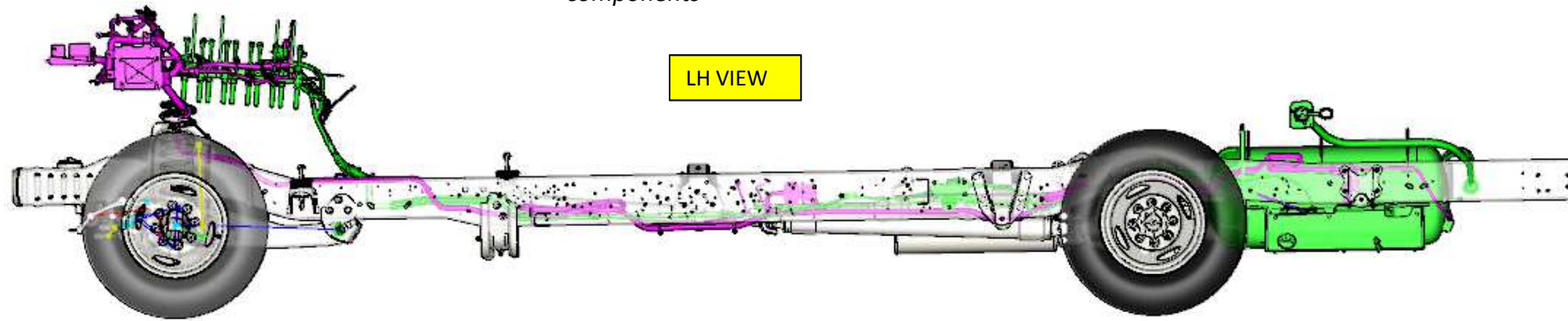
158" Wheelbase w/39" Tank shown

-  = Fuel System
-  = Electrical System



Min clearances to propane components:

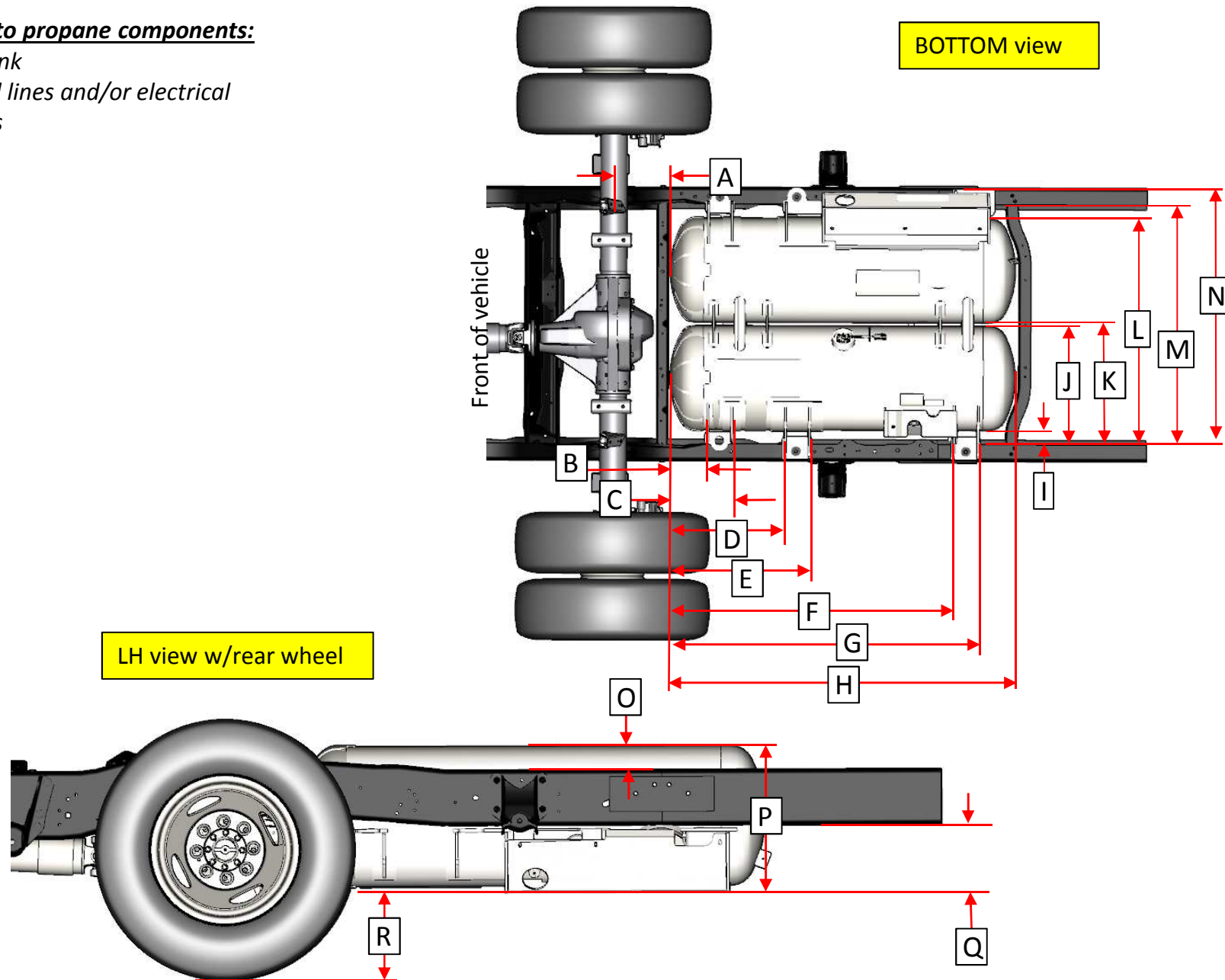
- 20mm to tank
- 5mm to fuel lines and/or electrical components



Wheelbase /CA	39" Tank		53" Tank	
	158" /100"	176" /118"	158" /100"	176" /118"
A	8.8		8.8	
B	5.60		5.6	
C	9.7		9.7	
D	29.5		17.60	
E	33.5		21.6	
F	---		43.55	
G	---		47.50	
H	39.00		53.00	
I	2.2		2.2	
J	18.2		18.2	
K	18.8		18.75	
L	34.8		34.8	
M	37		37	
N	39.5		38.7	
O	2.75		2.75	
P	16.00		16.00	
Q	7.7		6.90	
R	9.9		9.8	

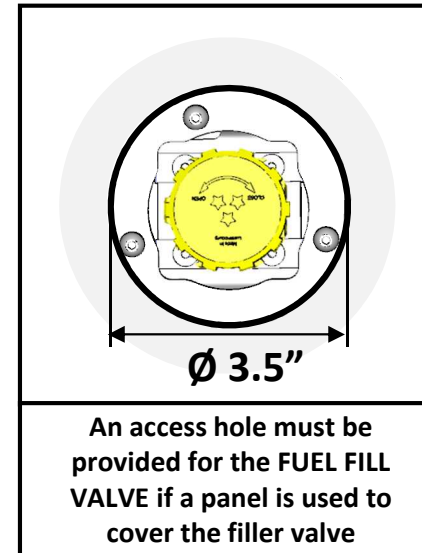
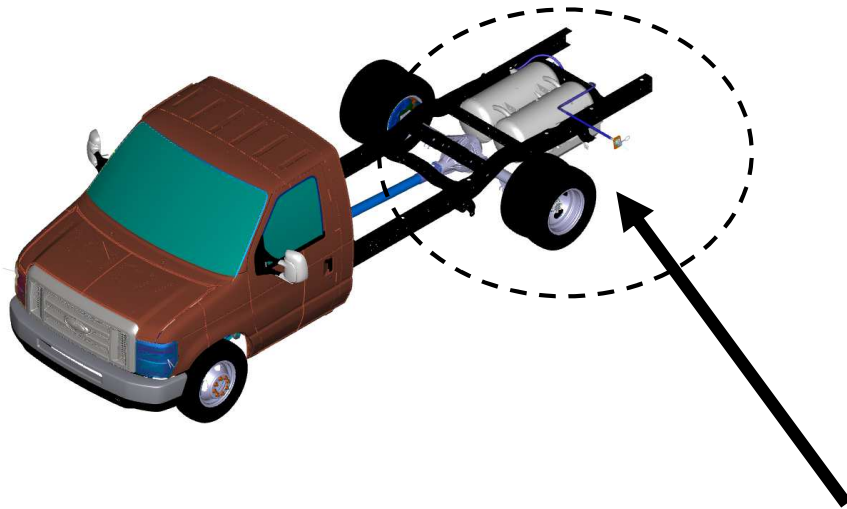
Min clearances to propane components:

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*ALL UNITS IN INCHES

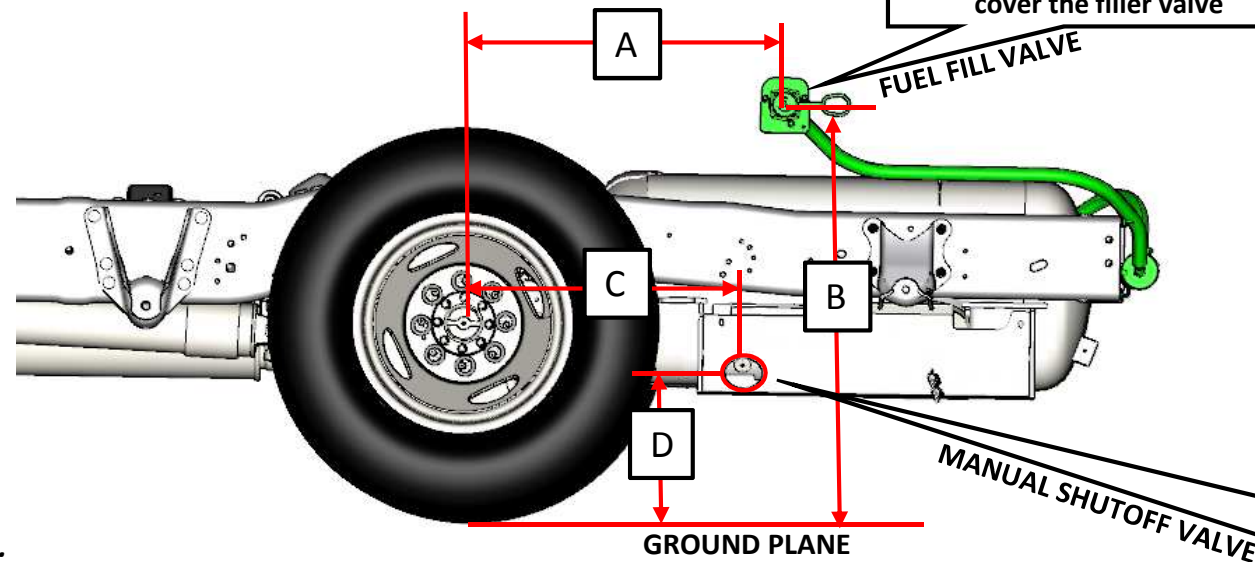
Link to ROUSH CLEANTECH portal: <http://service.roushcleantech.com/>



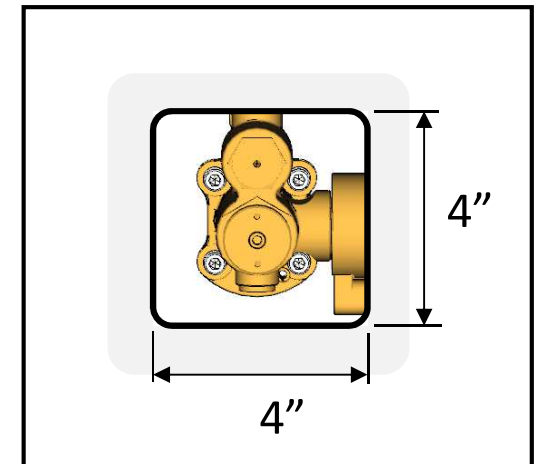
#	158" WB	176"WB
A	17.1	
B	32	
C	21.5	
D	11.5	

*ALL UNITS IN INCHES

Access to manual shutoff valve MUST NOT be impeded.

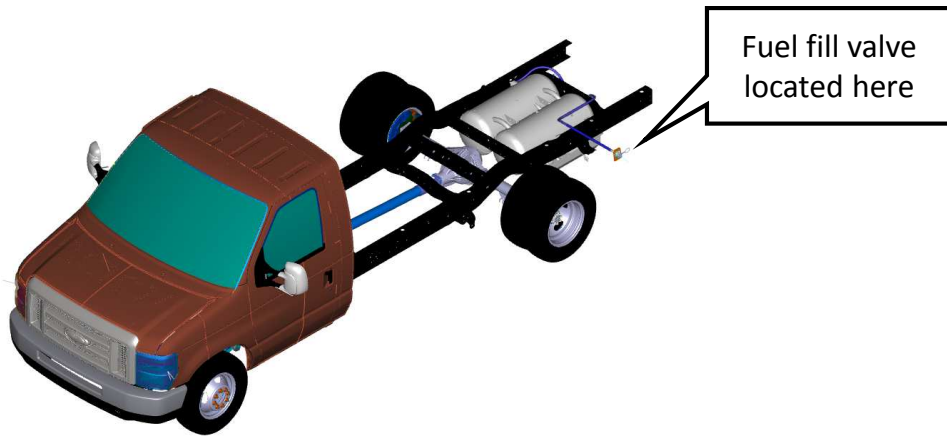


LH View w/rear wheel

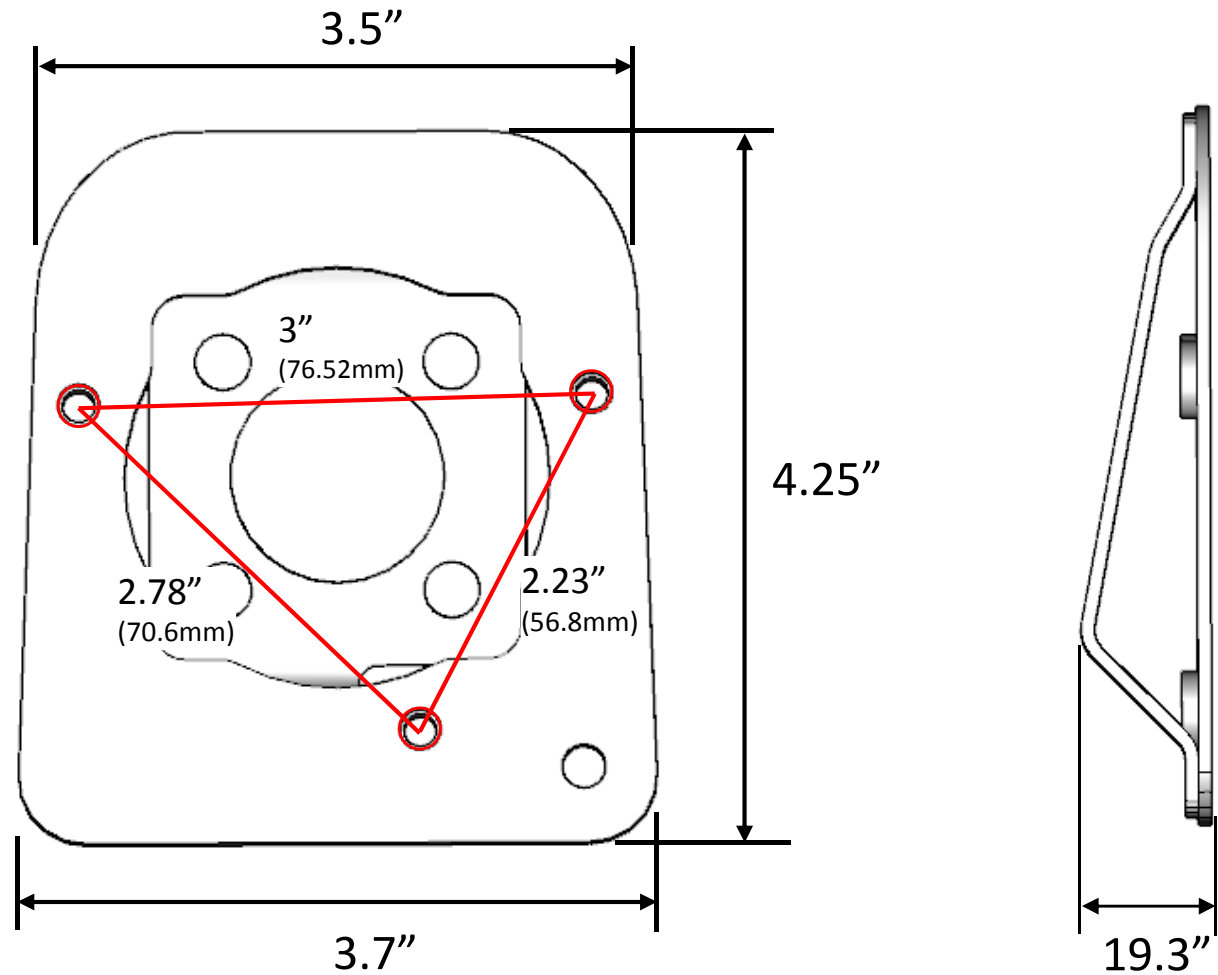
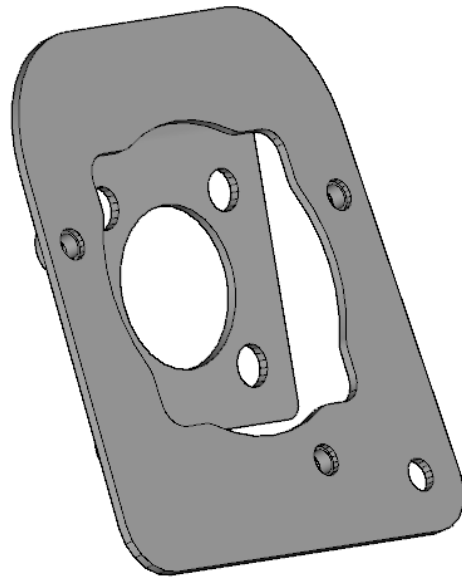


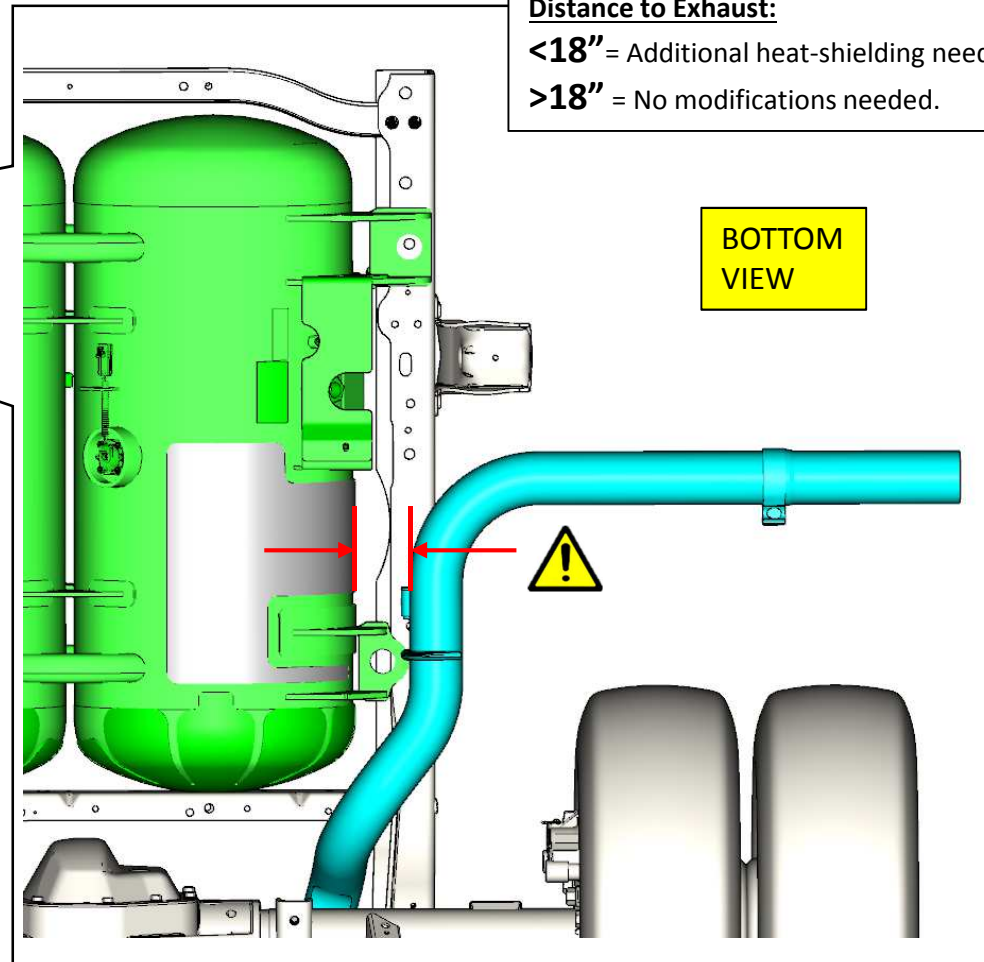
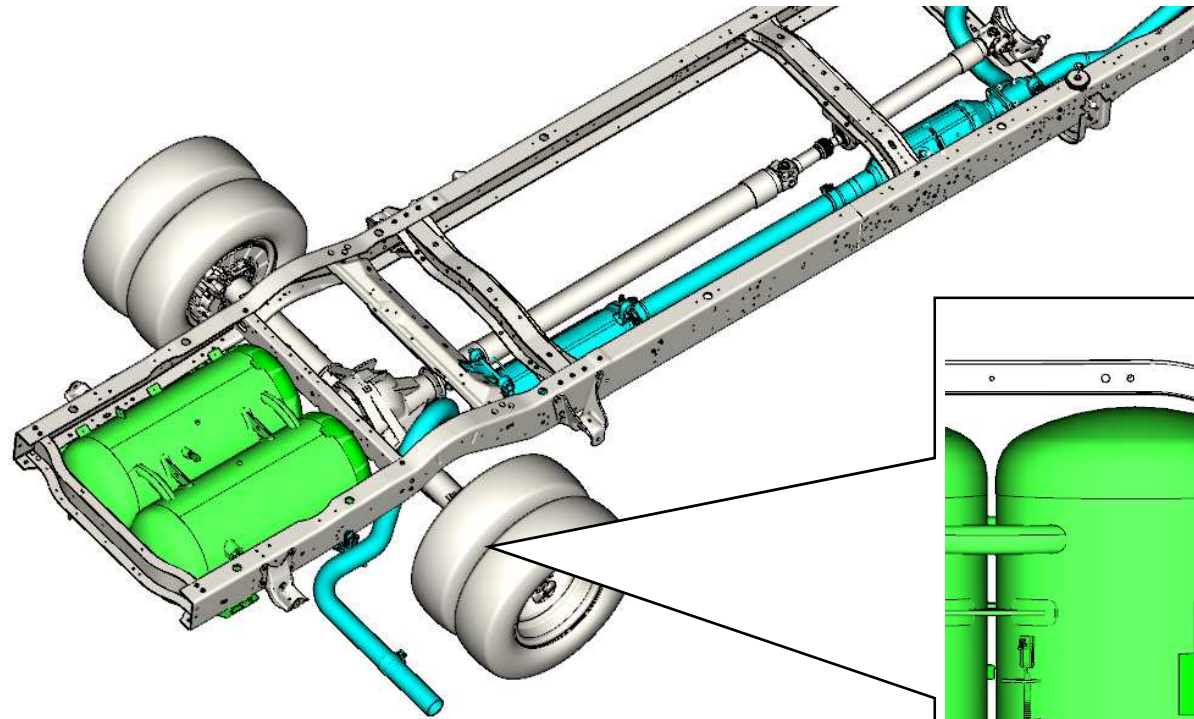
Min clearances to propane components:

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



Every kit will include a fill valve bracket, with the dimensions seen below. This will need to mount securely to your vehicle using the three bolt holes shown below





Distance to Exhaust:
<18" = Additional heat-shielding needed. ⚠
>18" = No modifications needed.

Exhaust Re-routing

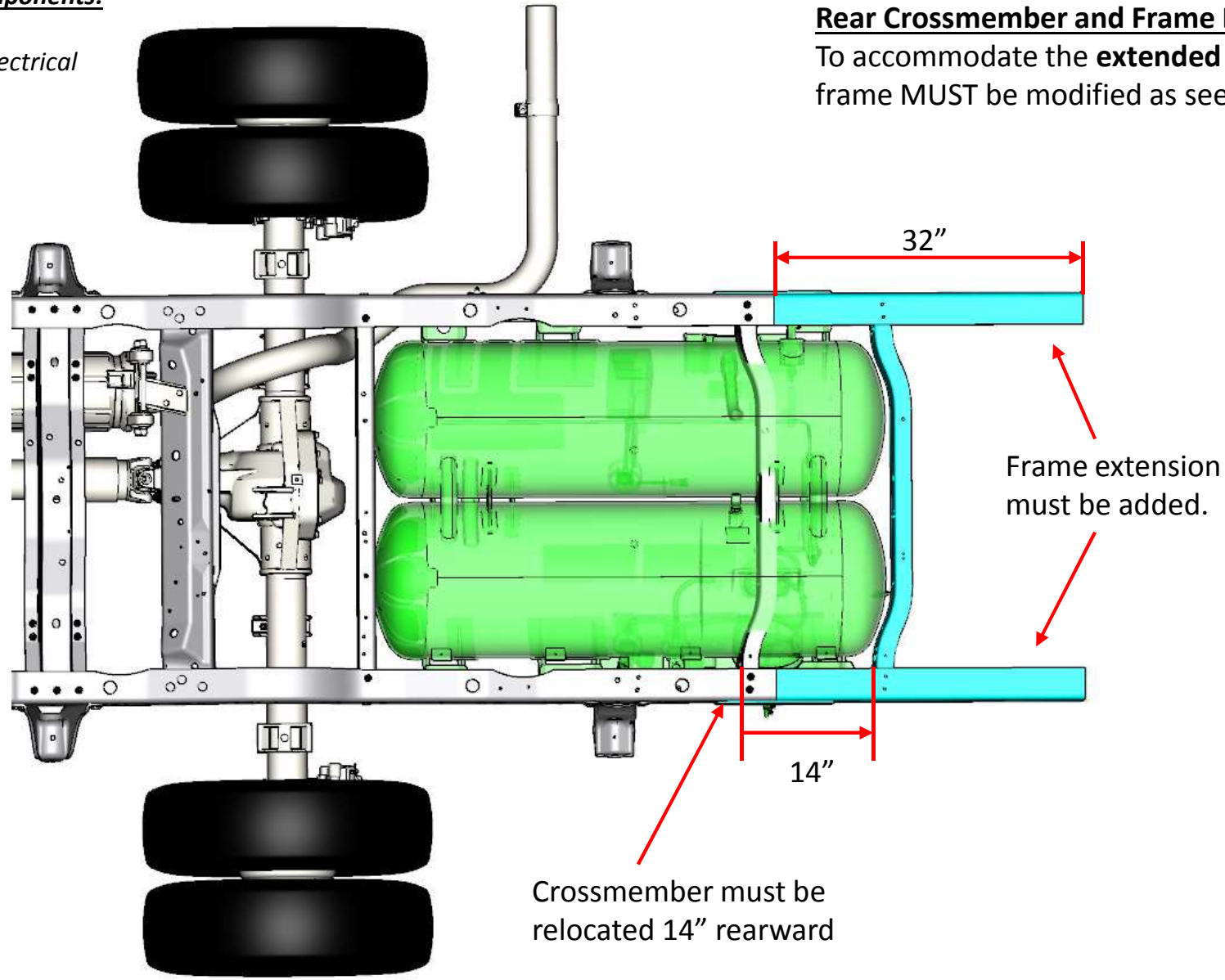
If exhaust is rerouted, distance of exhaust to fuel tanks must be no less than 18", or additional shielding is required.

Min clearances to propane components:

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

Rear Crossmember and Frame Extension

To accommodate the **extended range 53" Fuel tank with a 176" WB**, the frame **MUST** be modified as seen below.



**176" WB
shown**

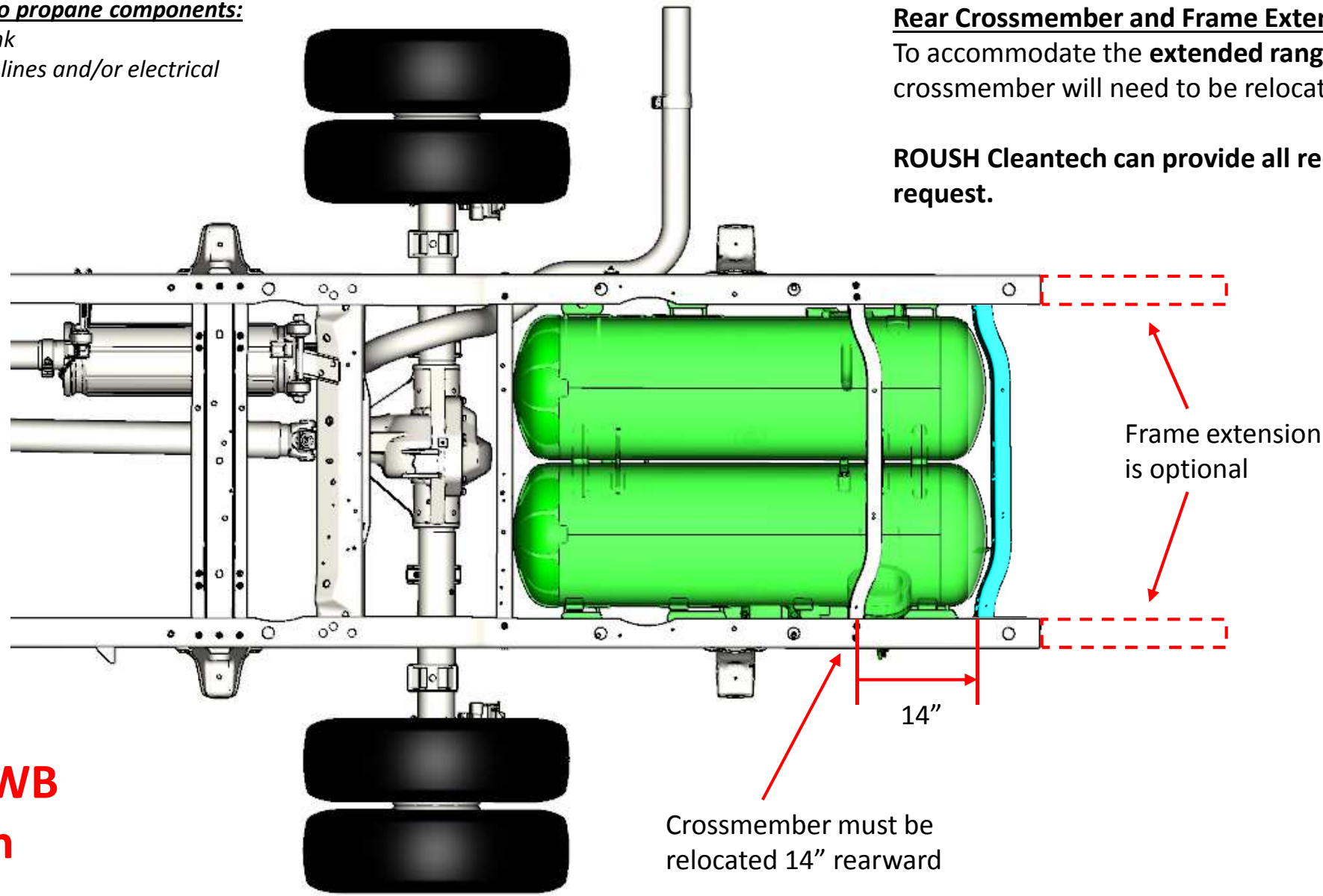
Min clearances to propane components:

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Rear Crossmember and Frame Extension

To accommodate the **extended range 53" Fuel tank with a 158" WB**, the crossmember will need to be relocated as seen below.

ROUSH Cleantech can provide all required documentation upon request.

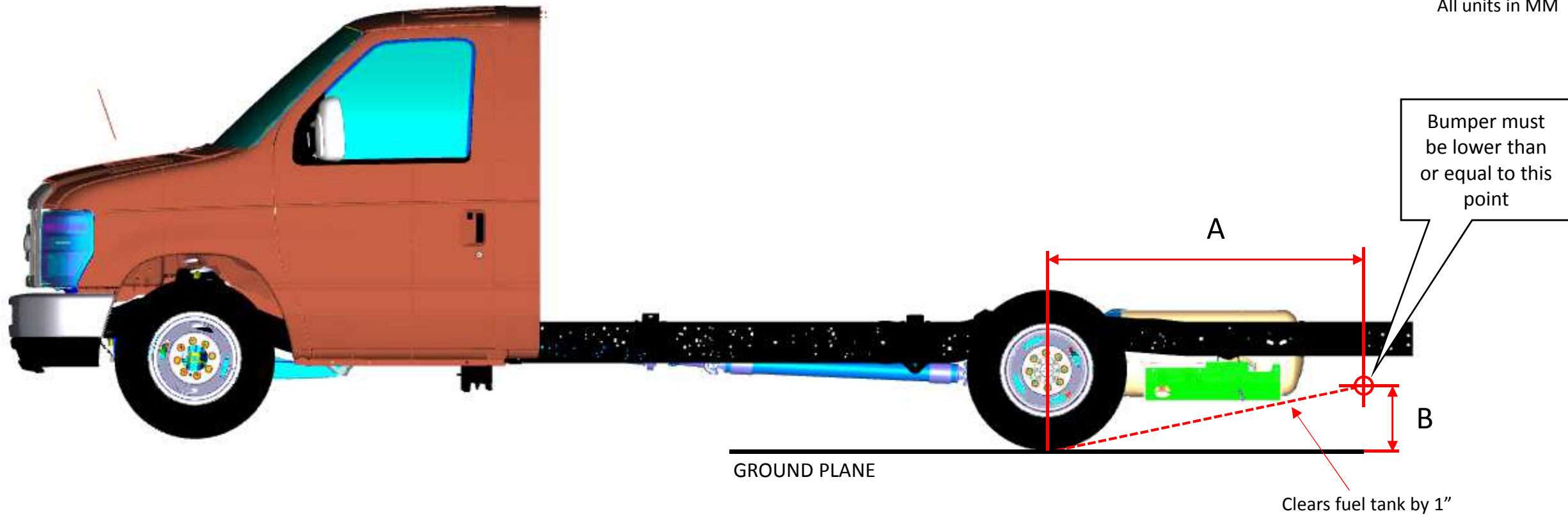


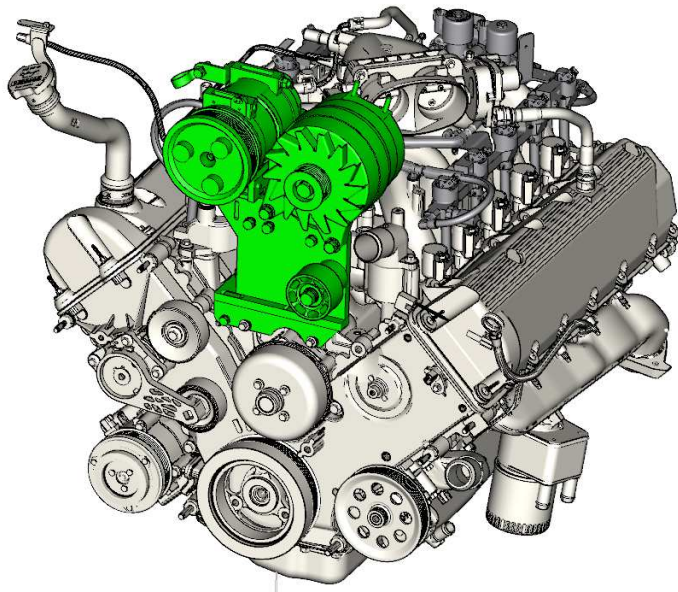
**158" WB
shown**

A bumper must be added such that the minimum departure angle requirement is met. **The lowest point of the bumper must be equal to, or lower than the point specified below**

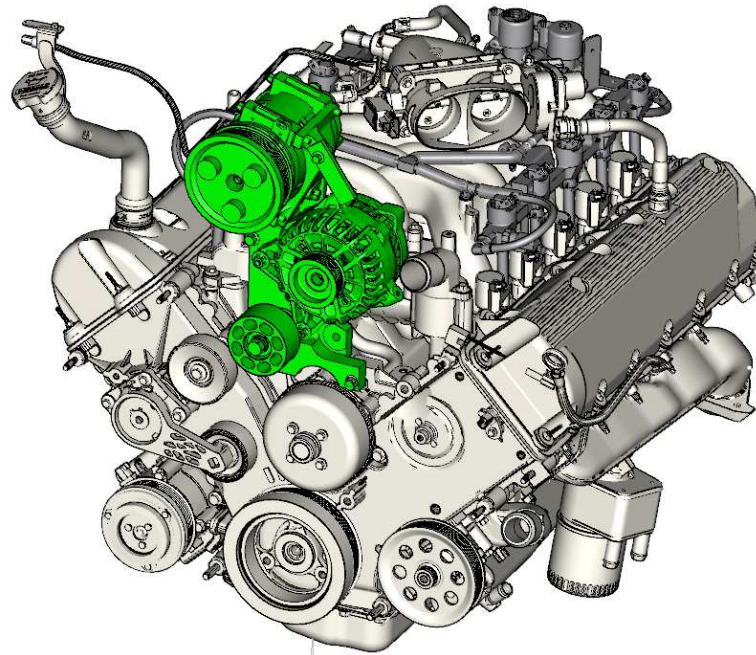
	39" Tank		53" Tank		
Wheelbase /CA	158" /100"	176" /118"	158" /100"	158" (Extended)	176" (extended) /118"
A	1734	1277	1730	2090	2090
B	320	237	241	291	294

All units in MM





Option 1: High capacity Dual AC.
Higher amperage alternator is
required (ProAir LLC Kit # 23168)



Option 2: Medium Capacity Dual AC.
OEM Alternator is reused.
(ProAir LLC Kit # 23068-1)

Propane fuel system supports an Aux AC system from ProAir LLC. Other manufacturer systems may not be compatible or may require additional modifications.

If an aux AC system from TransAir is used, modification may be necessary. Please refer to complete installation manual for details.