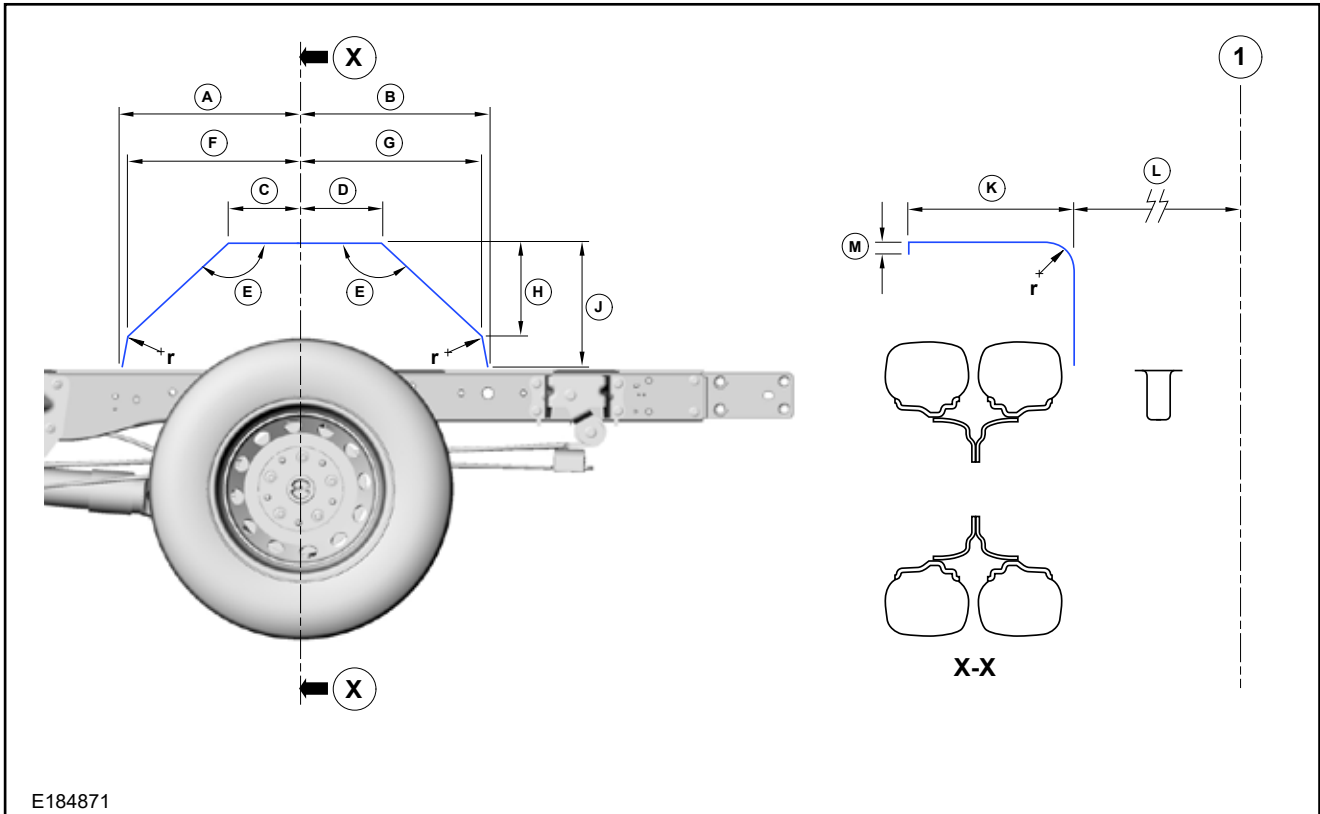


Chassis Cab/Cutaway with Dual Rear Wheel Axle



E184871

Wheelhouse Dimensions for Chassis Cab/Cutaway with Dual Rear Wheel Drive Axle

A	16.5" (418mm)	G	17.2" (436mm)
B	17.6" (448mm)	H	7.7" (197mm)
C	6.5" (165mm)	J	10.4 (265mm)
D	7.6" (194mm)	K	15.9" (403mm)
E	14 ^o	L	22.7" (577mm)
F	16" (406mm)	M	1.1" (27mm)
1	Center line of Vehicle	r	2.9" (75mm)
X	Section through Center of Wheelhouse		

5.1.8 Chassis Cab/Cutaway

WARNING: Excessive heat can build up from the exhaust system, in particular from the catalytic converter. Ensure adequate heat shields are maintained.

CAUTION: Uneven load distribution could result in unacceptable handling and braking characteristics.

For E-Transit Battery Electric Vehicle Chassis Cab, conversions behind the B-pillar may exhibit low mass inertia, resulting in longitudinal vibrations of the cabin (nodding). These can be addressed by applying a Tuned Mass Damper, please consult your dealer for availability.

NOTE: E-Transit BEV Single Chassis Cab Variant

If fitting a platform/float/stake style second unit body, Ford Motor Company **REQUIRES** a Tuned Mass Damper system to be fitted.

The required kit number is KTNK41-110867-A*

When carrying out vehicle conversions/modifications the following points should be considered:

- Make sure that all of the reinforced holes provided in the Chassis/Cutaway frame top surface are used for full length bodies or subframes, see figures E184867, E184868 and E184869
- Make sure that the vehicle structural integrity is maintained
- Do not drill into closed frame body members
- Make sure that the design for the body alterations or additional structure disperses the load evenly
- Re-paint metal edges after cutting or drilling. All metal edges must comply with exterior and interior protection legislation
- All fixings through the floor, sides or roof must be sealed

Refer to: [5.13 Corrosion Prevention](#)

- Ensure that any additional equipment in the vicinity of the fuel tank will not damage the tank in a crash condition

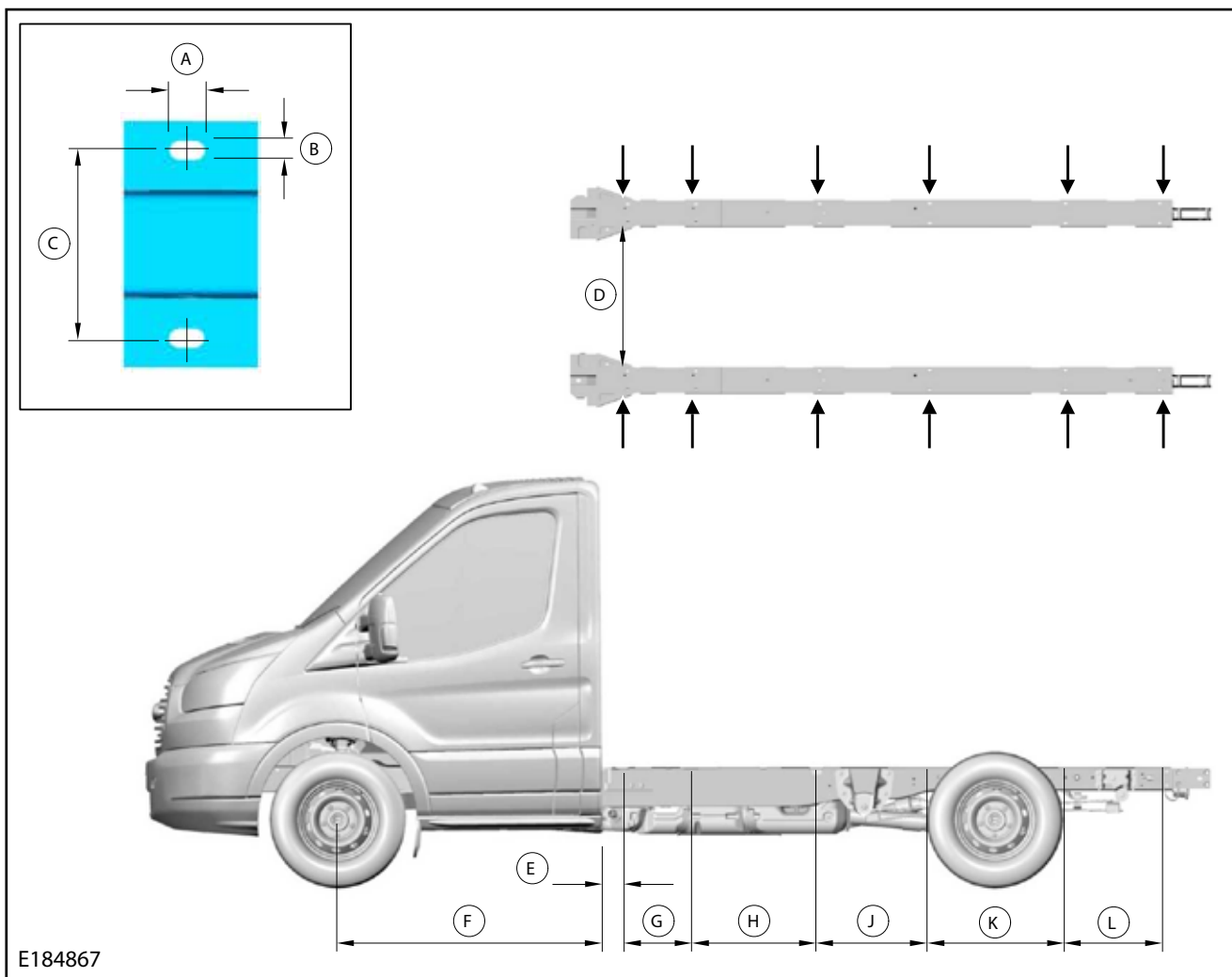
NOTE: The reinforcement plate in cab back panel to chassis member area must be maintained. Do not drill or cut into this area, see figure E167672 later in this section.

For additional information: [Refer to: 5.14 Frame and Body Mounting \(page 180\)](#)

For any conversion structure attached to - or mounted onto - the base vehicle cab structure, the following applies:

- Ensure that neither the conversion structure nor the existing vehicle structure get pre-loaded by the assembly process
- Adhesive jointing is recommended but should be supplemented with mechanical fasteners to prevent initial peel and long term failure
- Spread bolt loads to minimize local stress

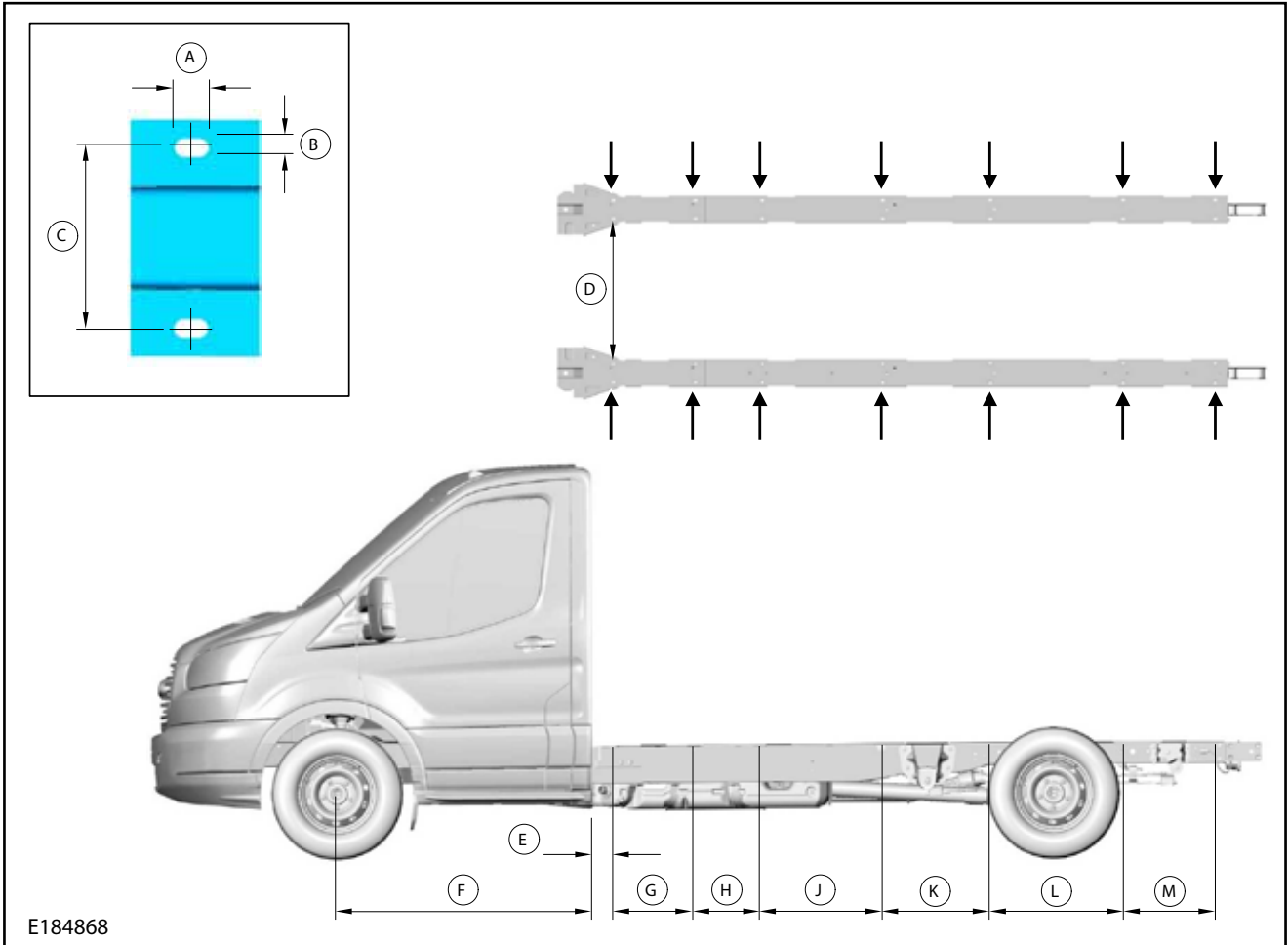
Body Attachment Holes - Chassis/Cutaway Frame Top Flange 138" Wheelbase



Body Attachment Holes -Chassis/Cutaway Frame Top Flange 138" Wheelbase			
A	0.7" (19mm)	G	14.5" (367mm)
B	0.4" (11mm)	H	26.2" (665mm)
C	3.9" (100mm)	J	23.3" (592mm)
D	31.5" (800mm)	K	28.7" (730mm)
E	4.2" (108mm)	L	19.9" (506mm)
F	55.4" (1407mm)	-	-

[Refer to: 1.10 Package and Ergonomics \(page 16\)](#) Vehicle Dimensions for wheelbase dimensions
See Incomplete Vehicle Manual (Standard F/CMVSS 301) for more information

Body Attachment Holes - Chassis/Cutaway Frame Top Flange 156" Wheelbase



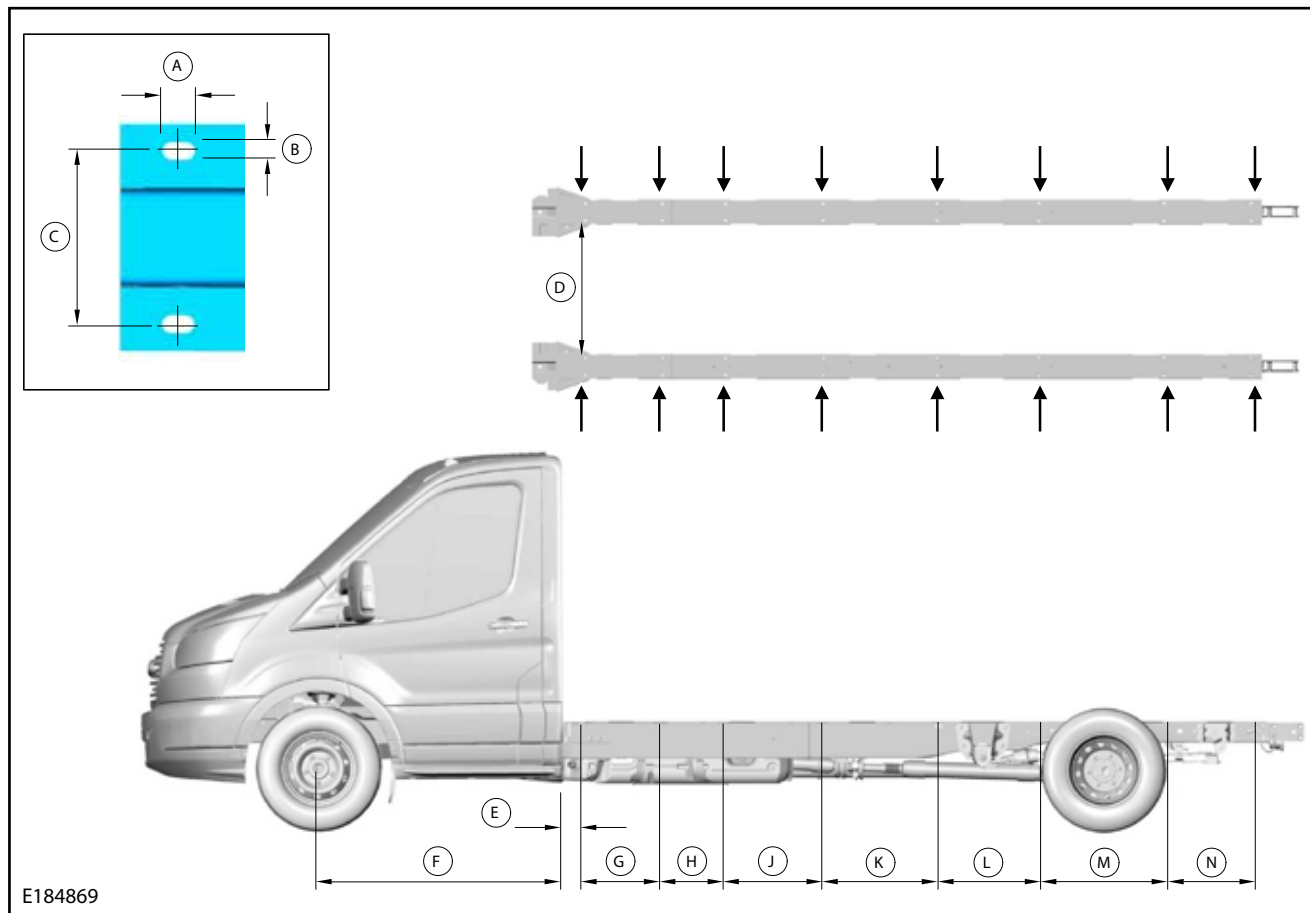
E184868

Body Attachment Holes - Chassis/Cutaway Frame Top Flange 156" Wheelbase

A	0.7" (19mm)	G	17.7" (450mm)
B	0.4" (11mm)	H	14.5" (367mm)
C	3.9" (100mm)	J	26.2" (665mm)
D	31.5" (800mm)	K	23.3" (592mm)
E	4.2" (108mm)	L	28.7" (730mm)
F	55.4" (1407mm)	M	19.9" (506mm)

Refer to: [1.10 Package and Ergonomics \(page 16\)](#) Vehicle Dimensions for wheelbase dimensions
 See Incomplete Vehicle Manual (Standard F/CMVSS 301) for more information

Body Attachment Holes - Chassis/Cutaway Frame Top Flange 178" Wheelbase

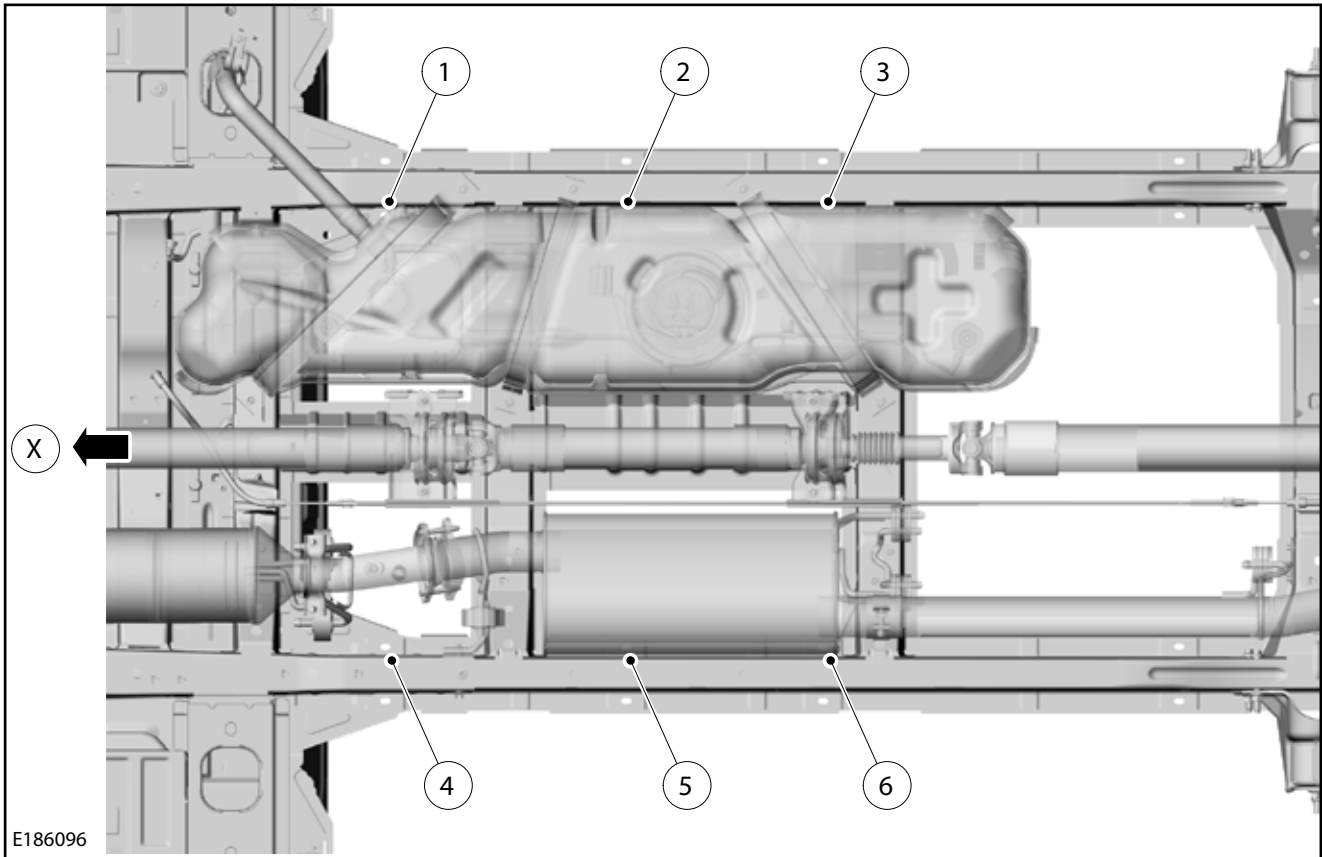


E184869

Body Attachment Holes Chassis/Cutaway Frame Top Flange 178" Wheelbase			
A	0.7" (19mm)	H	14.5" (367mm)
B	0.4" (11mm)	J	26.2" (665mm)
C	3.9" (100mm)	K	23.3" (592mm)
D	31.5" (800mm)	L	28.7" (730mm)
E	4.2" (108mm)	M	19.9" (506mm)
F	55.4" (1407mm)	N	22.1" (561mm)
G	17.7" (450mm)	-	-

[Refer to: 1.10 Package and Ergonomics \(page 16\)](#) Vehicle Dimensions for wheelbase dimensions
 See Incomplete Vehicle Manual (Standard F/CMVSS 301) for more information

Recommended Second Unit Body Fitting Strategy (Bottom View)

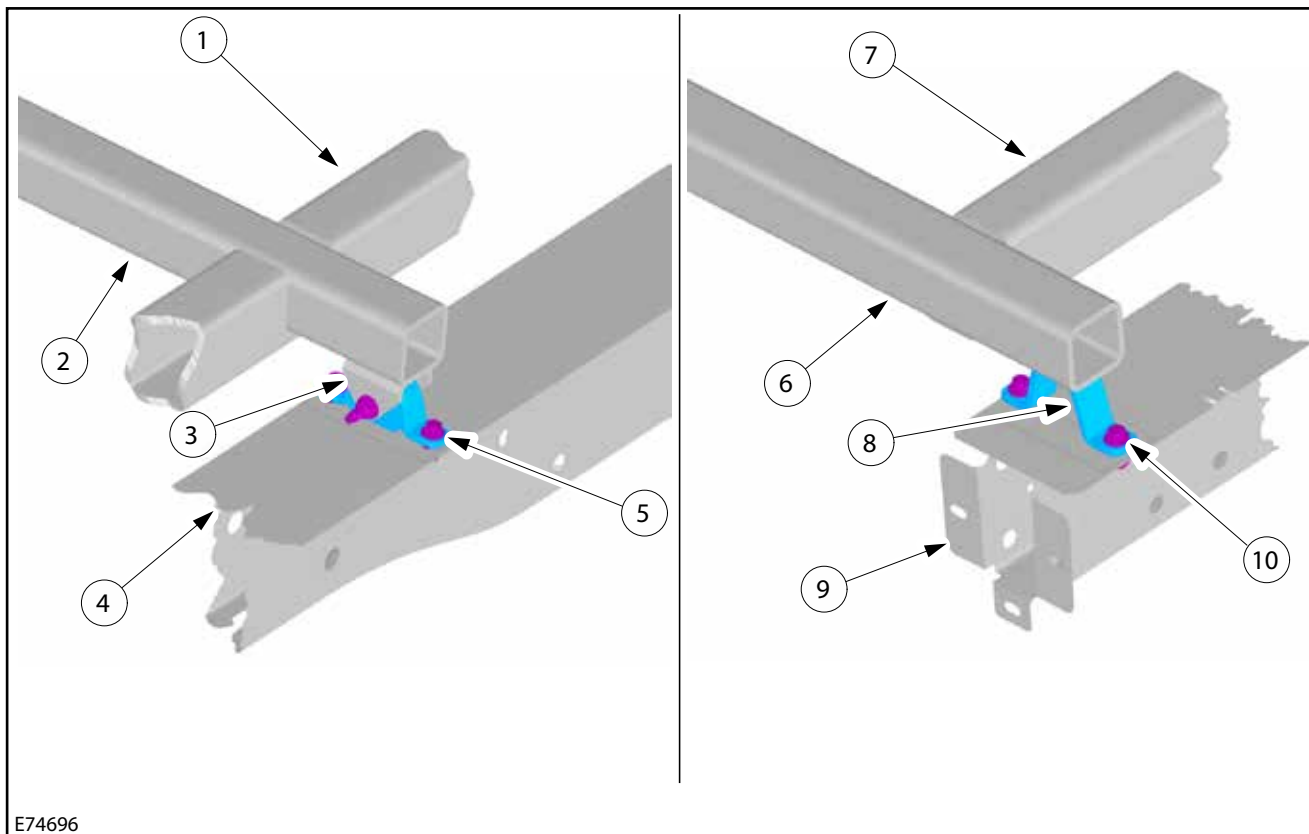


When mounting a Second Unit Body, the attachment holes shown in figures E184867, E184868 or E184869 should be used.

NOTE: Some of the attachment holes are difficult to reach or obscured by the fuel tank, see figure E186096. It is recommended that Inboard attachment points 1 and 4 should always be used, however, attachment points 2,3,5 and 6 can be omitted.

Consult Incomplete Vehicle Manual for further recommendations/requirements

Subframe Attachment to Chassis Frame



E74696

Item	Description
1	Subframe Longitudinal
2	Subframe Outriggers
3	Compliant Mount
4	Chassis Frame
5	M10 Bolts and Self Locking Nuts
6	Subframe Outriggers
7	Subframe Longitudinal
8	Solid or Fixed Mount
9	Chassis Frame
10	M10 Bolts and Self Locking Nuts

It is recommended to design subframes in the way that there is no adverse strain on the vehicle structure. Use compliant and fixed mounts to attach to the vehicle body.

Subframe ends must be relieved at forward end to minimize local contact stress concentrations.

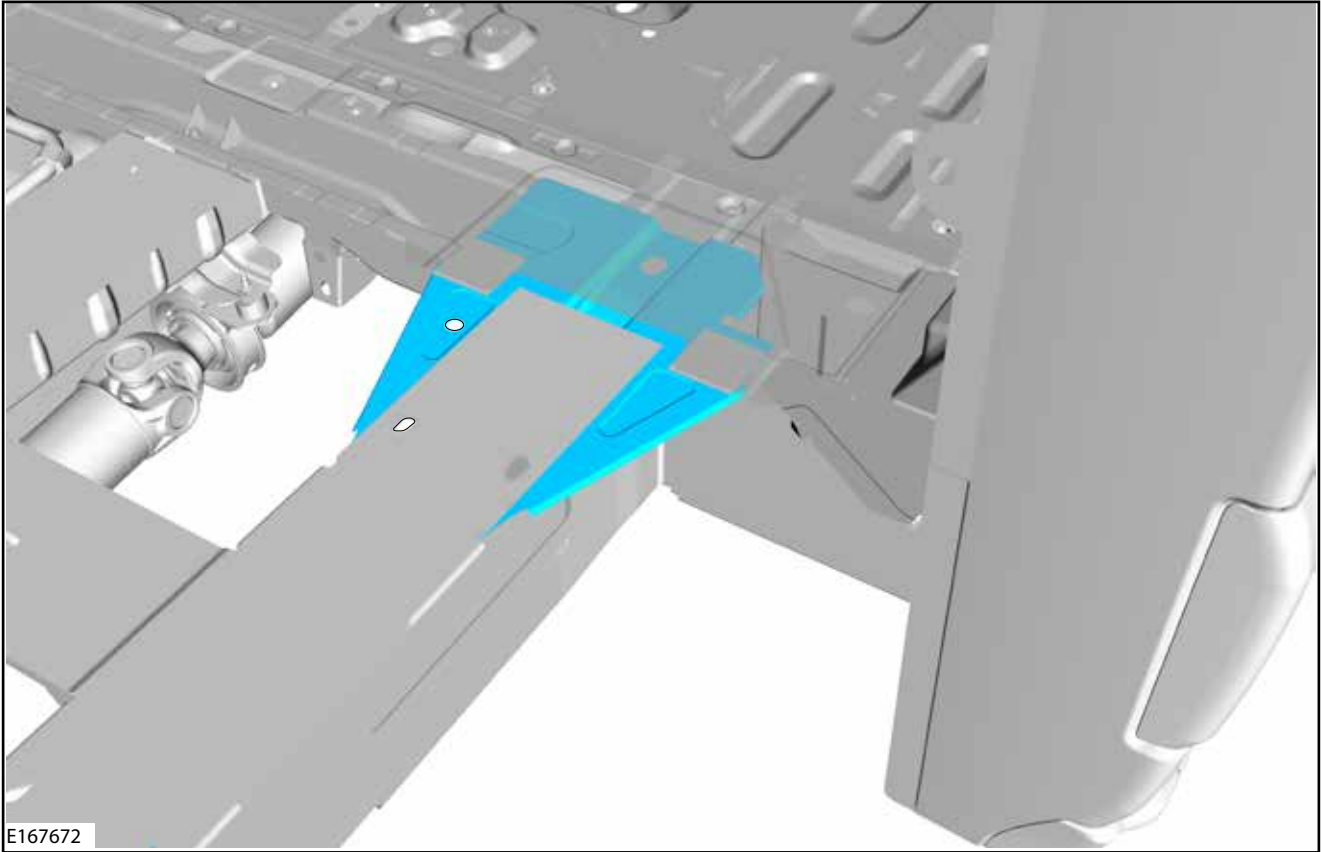
[Refer to: 5.14 Frame and Body Mounting](#)

It is recommended to mount the longitudinal brackets with a clearance to the chassis frame top surface.

Stiff subframes, for example closed section longitudinal rigidly connected with similar section cross members, may damage the chassis frame by preventing its natural flexing. Therefore appropriate compliant mounts should be used. Please refer to E74696.

Each set of brackets must use 2 x 10 bolt grade 8.8 minimum.

Reinforcement Plate on Single Chassis Cab Vehicles



E167672

Do not drill or cut in the reinforcement plate on single chassis cab/cutaway vehicles.