

## 4.23 Grounding

### 4.23.1 Ground Points

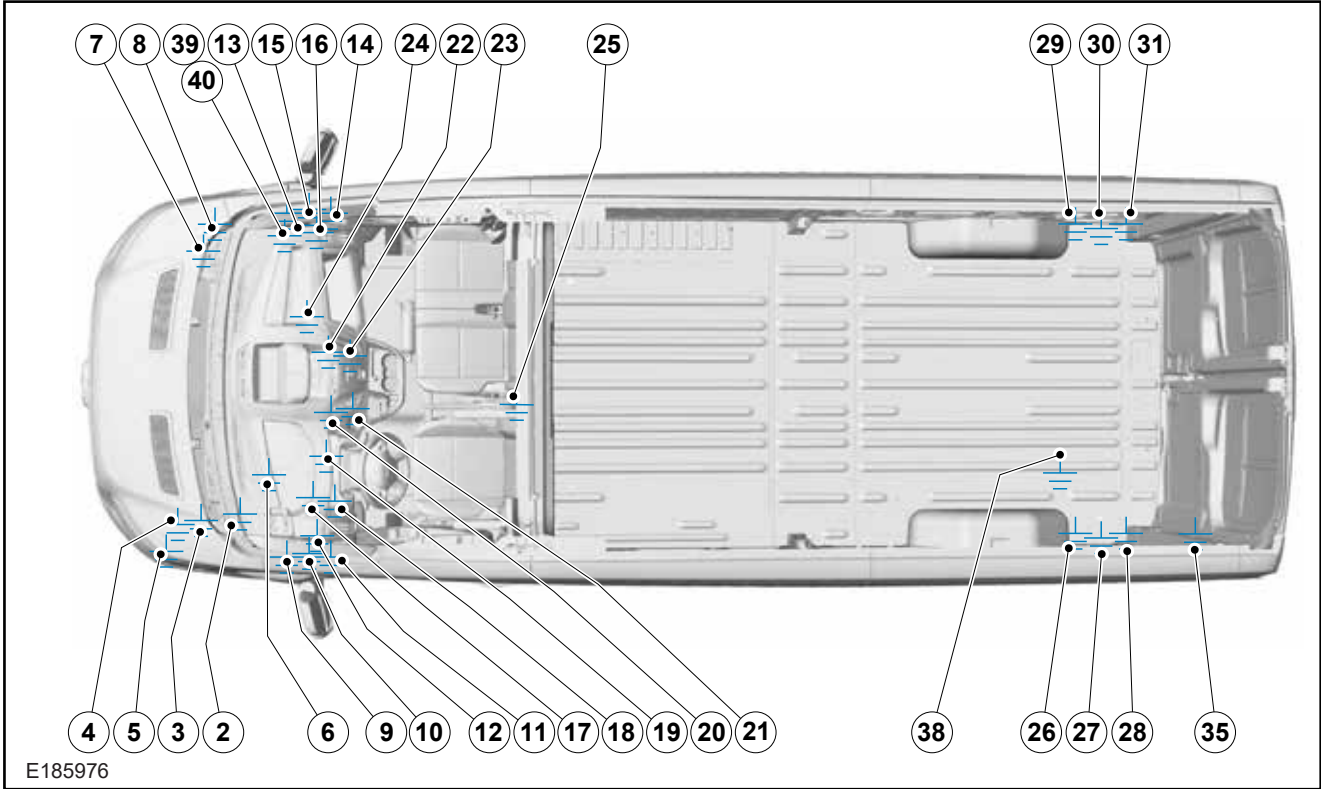
**!** Make sure that all ground points are tightened to the correct torque.

**CAUTIONS:**

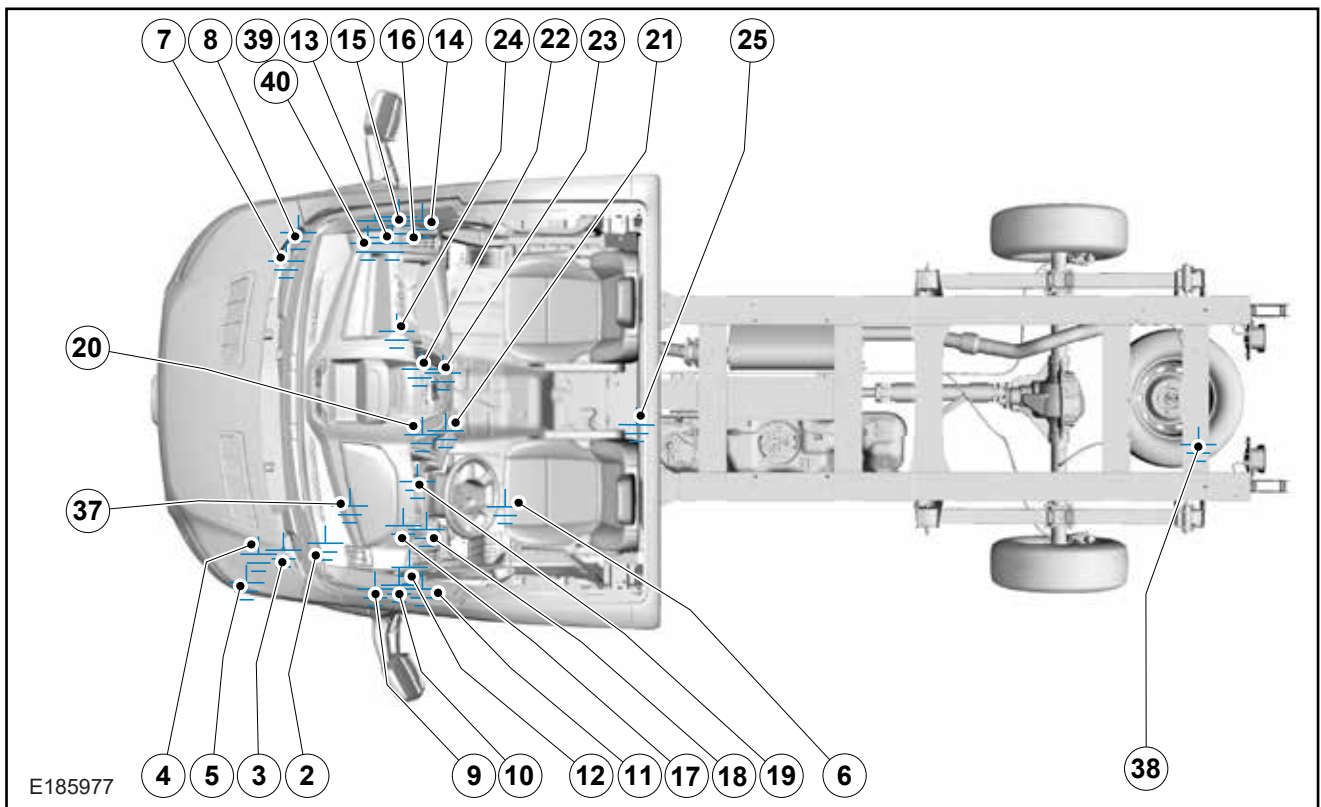
**!** Only use the ground points indicated. Using alternative points may affect the vehicle integrity.

Ground wires should be brought back to the Ford ground points provided, please refer to the following figures.

#### Van, Wagon Ground Points



#### Chassis Cab Ground Points

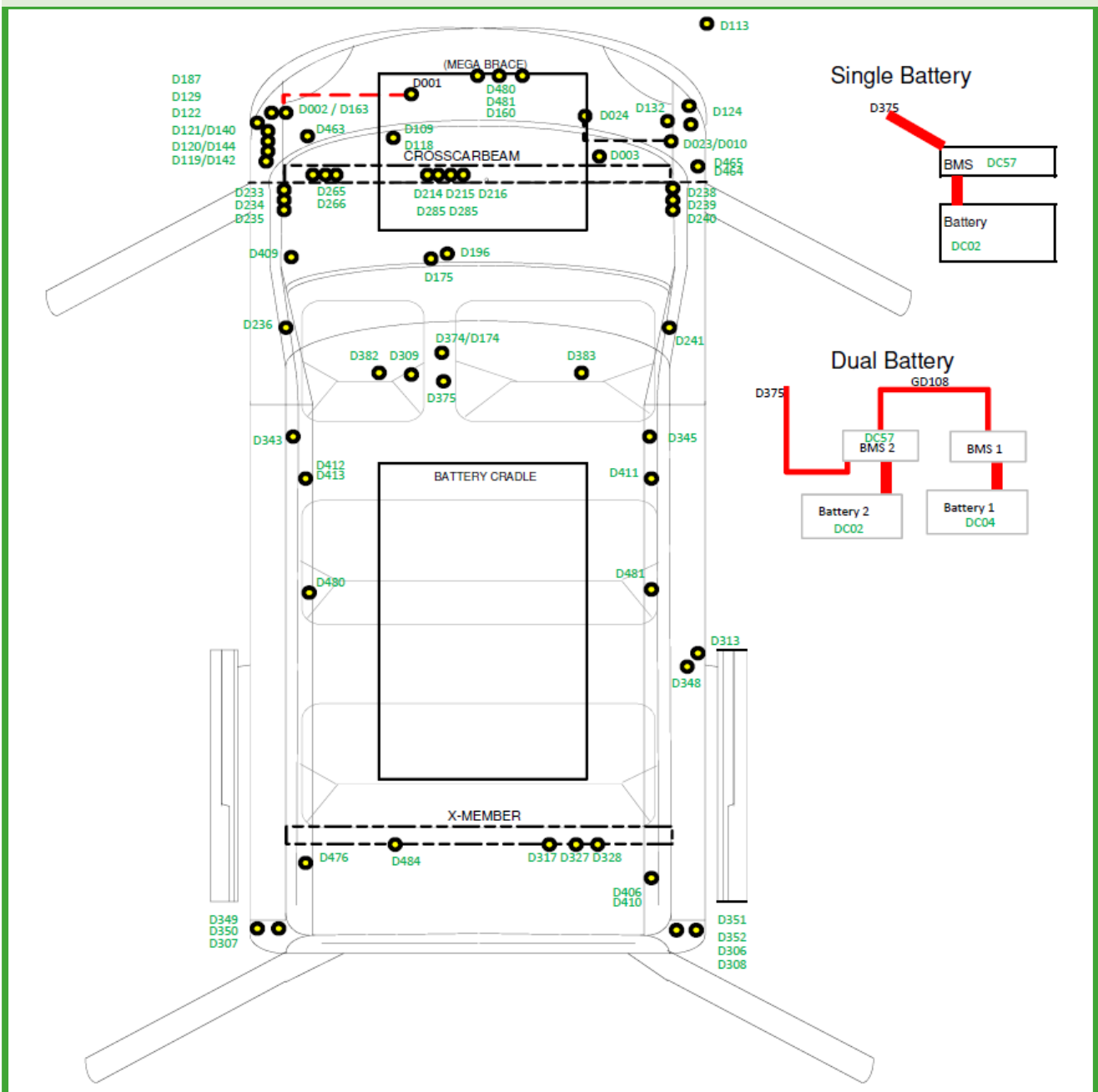


**⚠ WARNING: Electrical ground paths (case grounds and/or ground straps and/or low voltage wiring) for High Voltage components on the E-Transit BEV must not be altered or modified in any way.**

**NOTE:** On E-Transit BEV, for Low Voltage (12V) applications, upfitters/convertors need to create a ground point on the body (preferable) or chassis. This may be the use of a welded on stud/nut secured to body sheet metal – requirements for a clean surface to weld to and for corrosion protection afterwards should be followed.

Refer to:  
[5.1.2 Welding](#)  
[5.14 Corrosion Prevention](#)

**E/E System Ground Attachment Points - V3 E-Transit BEV Commercial Van**



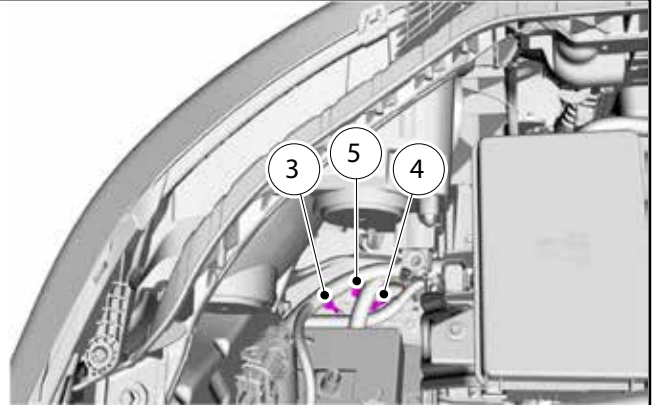
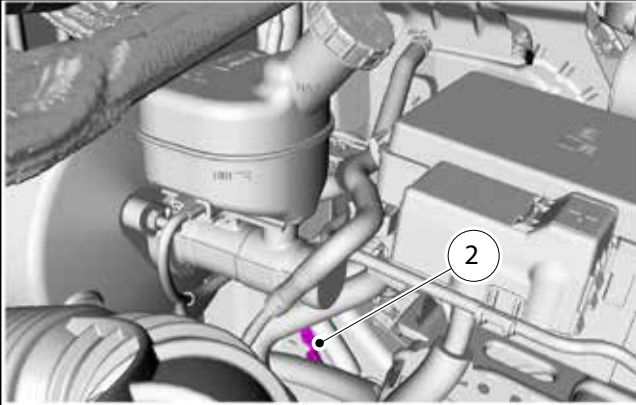
Ground location topology (V3) that is used for Commercial Van style vehicles. The ground number refers to the location of the ground point in the vehicle (see ES-KU5T-1274-AA).

Ground Point	Location	Type	Harness
<b>Ground Points - Chassis Cabs and Van, Bus, Kombi</b>			
GP2	Engine Bay LHS	Misc Power Electric	14401
GP3	Engine Bay LHS	Exhaust Emissions Control	9K499
GP4	Engine Bay LHS	Exhaust Emissions Control	9K499
GP5	Engine Bay LHS	Exhaust Emissions Control	9K499
GP6	Engine Bay LHS	Fuel Tank Sender	14406
GP7	Engine Bay RHS	Misc Power Electric	14401
GP8	Engine Bay RHS	Misc Power Electric	14401
GP9	A Pillar LHS Upper	Misc Power Electric	13A409
GP10	A Pillar LHS Lower	Misc Power Electric	14401
GP11	A Pillar LHS Lower	Rear Air Condition Control	14401
GP12	A Pillar LHS Lower	Misc Power Electric	14401
GP13	A Pillar RHS Upper	Misc Power Electric	14659
GP14	A Pillar RHS Lower	Misc Power Electric	14401
GP15	A Pillar RHS Lower	Misc Power Electric	14K024
GP16	A Pillar RHS Lower	Misc Power Electric	14401
GP17	Cross Car Beam LHS	Misc Power Electric	14K024
GP18	Cross Car Beam LHS	Misc Power Electric	14K024
GP19	Cross Car Beam LHS	Misc Power Electric	14K024
GP20	Cross Car Beam LHS	Misc Power Electric	14K024
GP21	Cross Car Beam LHS	Misc Power Electric	14K024
GP22	Cross Car Beam LHS	Misc Power Electric	14K024
GP23	Cross Car Beam LHS	Misc Power Electric	14K024
GP24	Cross Car Beam RHS	Misc Power Electric	14K024
GP25	Passenger Compartment	Misc Power Electric	14401
GP26	Bodyside Rear LHS	Misc Power Electric	13A409
GP38	Rear Cross Member	Trailer Tow Socket	13B576
GP39	RHS Wheel Arch	Exhaust Emissions Control	14D469
GP40	RHS Wheel Arch	Exhaust Emissions Control	14D469
<b>Ground Points - Van, Wagon Only</b>			
GP27	Bodyside Rear LHS	Misc Power Electric	13A409
GP28	Bodyside Rear LHS	Misc Power Electric	13A409
GP29	Bodyside Rear RHS	Misc Power Electric	13A409
GP30	Bodyside Rear RHS	Misc Power Electric	13A409
GP31	Bodyside Rear RHS	Misc Power Electric	13A409
GP35	D Pillar LHS middle	Misc Power Electric	14659
<b>Ground Points - Chassis Cabs/Cutaways Only</b>			
GP37	Engine Bay LHS	Chassis Cab Lighting	14406

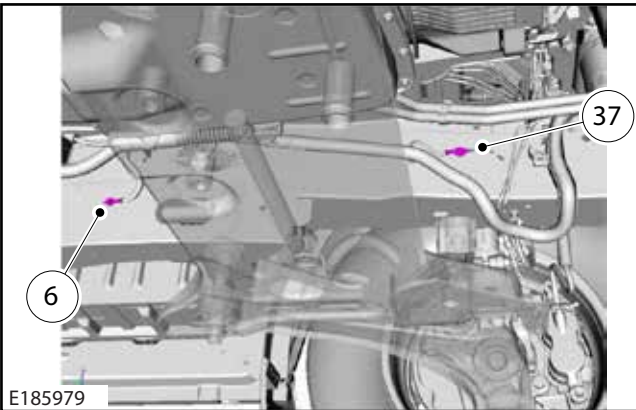
Ford M6 x 1.0, 20mm thread rolling screw - torque 8.85 ft lb (12Nm) ± 1.3 ft lb (± 1.8Nm)

Abbreviations used in table: LHS - Left Hand Side, RHS - Right Hand Side, Misc - Miscellaneous.

**Engine Bay**



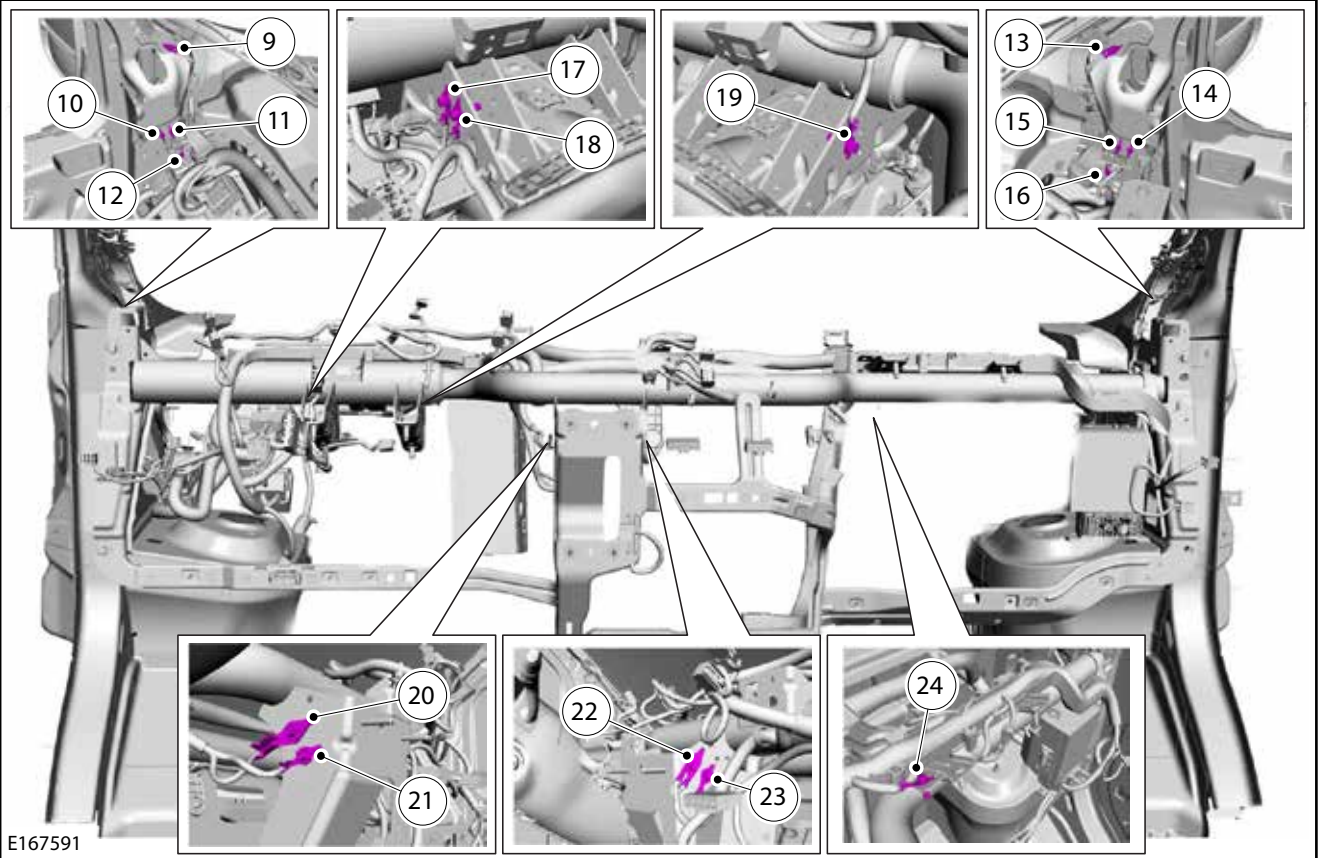
E185978



E185979

E167590

**A Pillar/Bulkhead**

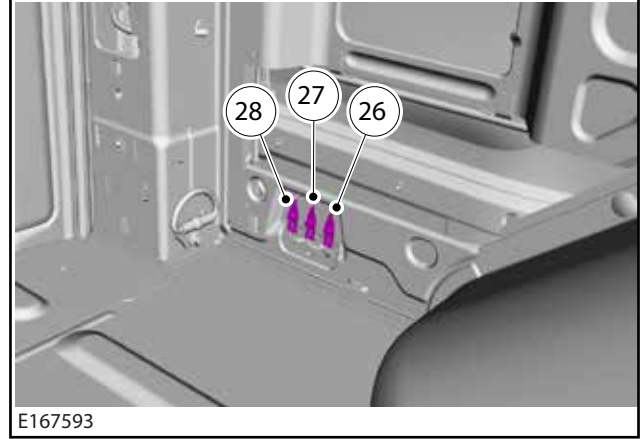
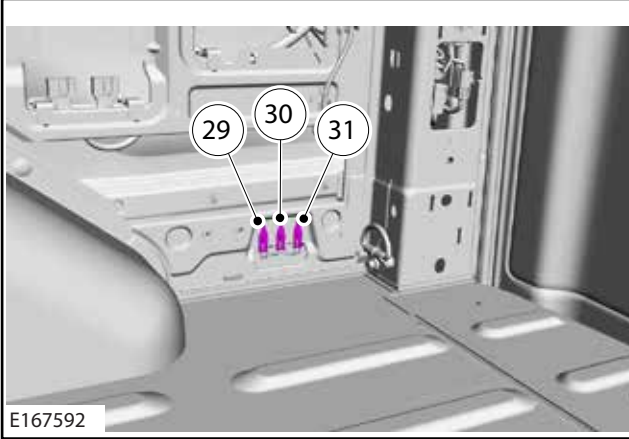
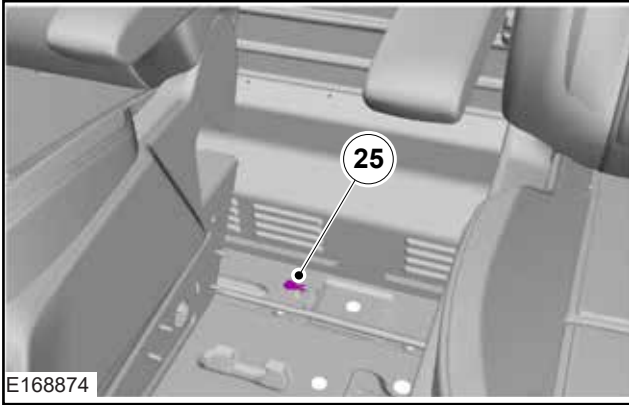


E167591

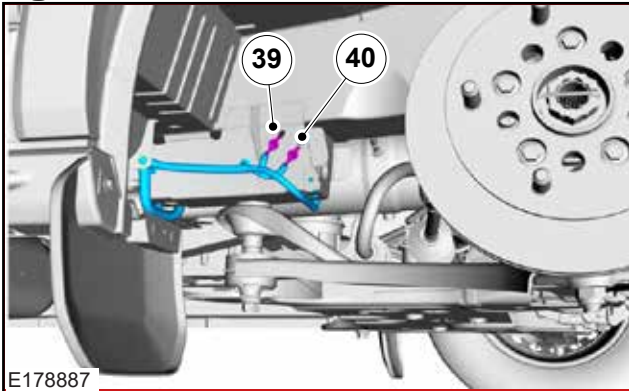
Abc = BEV Only

Abc = ICE Only

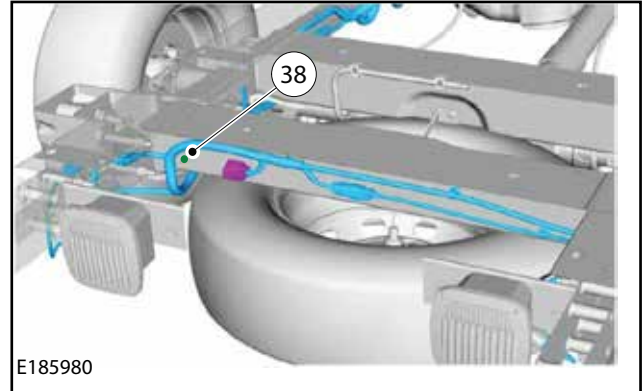
### Cabin/Cargo Area



### Right Hand Side Wheel Arch



### Trailer Tow Socket - Chassis Cab



### Trailer Tow Socket - Van/Wagon

