Q-311

SVE BULLETIN

SPECIAL VEHICLE ENGINEERING – BODY BUILDERS ADVISORY SERVICE

E-Mail via Website: www.FordBBAS.com (click "Contact Us")
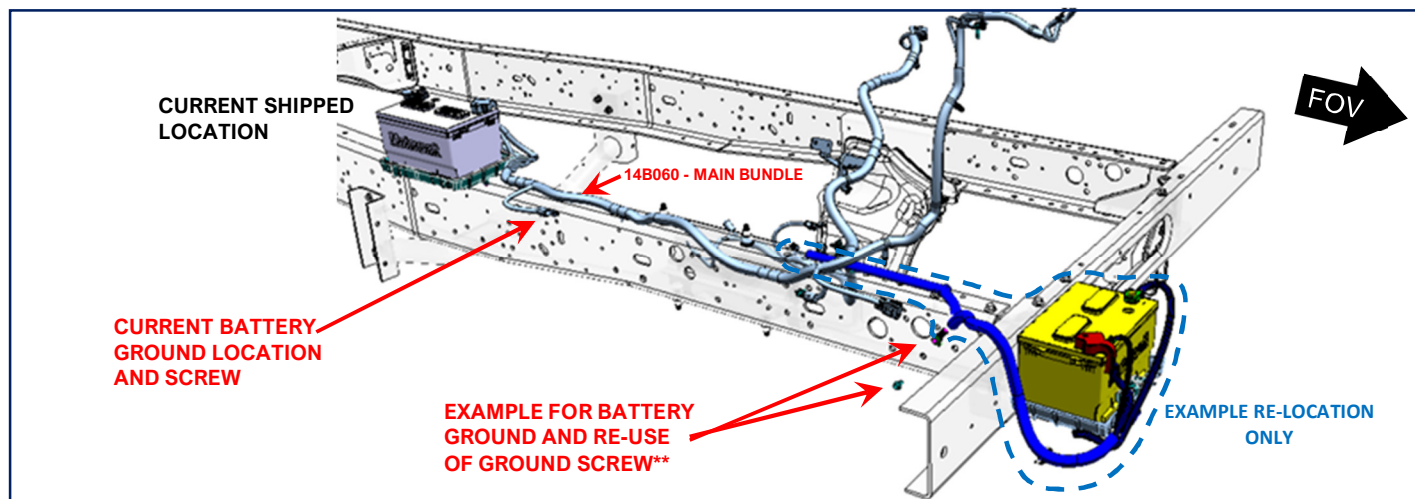
Toll-free: (877) 840-4338

Modification or Movement of Battery Ground Position

REVISION	UPDATE	REVISION DATE
	INITIAL RELEASE	

MODEL(S) AFFECTED:
2020 Model Year F53 Vehicles

DESCRIPTION:
Intermediate/Final Stage Manufacturer modification or movement of production ground location.

Procedure if Battery and Ground are moved from (F53) shipping location.
- No cutting or splicing allowed to the Battery Harness (14B060 - MAIN BUNDLE)
- Grounding of the harness must be done by newly drilled hole. Recommended hole size for ground is **Diameter 7.3 +/-0.25mm** (9/32" or 19/64" drill bit)**, into the right-side the frame. It is not recommended to use the crossmember or sheet-metal panels for ground secure location.
- Re-use of self-tap **M8** ground screw, Ford P/N W505261-S450L (TAPTITE 2000), Torque required 22.5 +/-3.4Nm. *Note: the use of nut and bolt to secure ground is not recommended.*
- If additional ground length is required; please separate the needed ground length from main bundle. Reference **Figure 1**.
- Convolute* protection required on all altered and exposed cable.
- Full tape* wrap required on altered harness.
- Battery Cable and Ground Cable must be rigidly retained at a minimum of every 300mm.
- Refer to General Notes in BBAS (Hose/Wiring Routing) for any additional information.
- GROUND EYELET:
    - Ground Eyelet must maintain 25mm minimum clearance to other wiring bundles.
    - Acceptable eyelet orientation is defined as no greater than +/- 45° on the horizontal; however, +/-22.5° is considered optimal, Reference **Figure 2**.
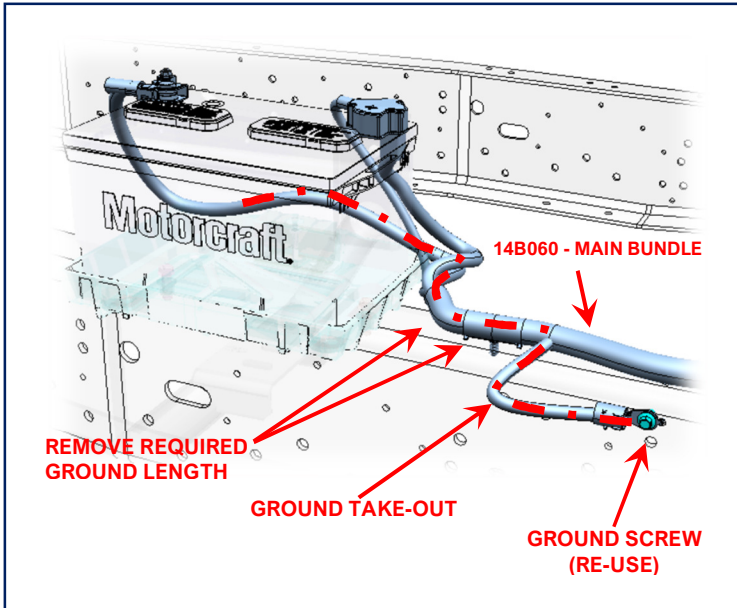
Figure 1

*Convolute: ID: 9.00 mm Temp rating: 150C or better)
*Overlap Abrasion Tape:
- Tape Temp Rating: 150C or better
- Abrasion Wear Rating (3 Min) High Wear Protection (1000-4999 double strokes)
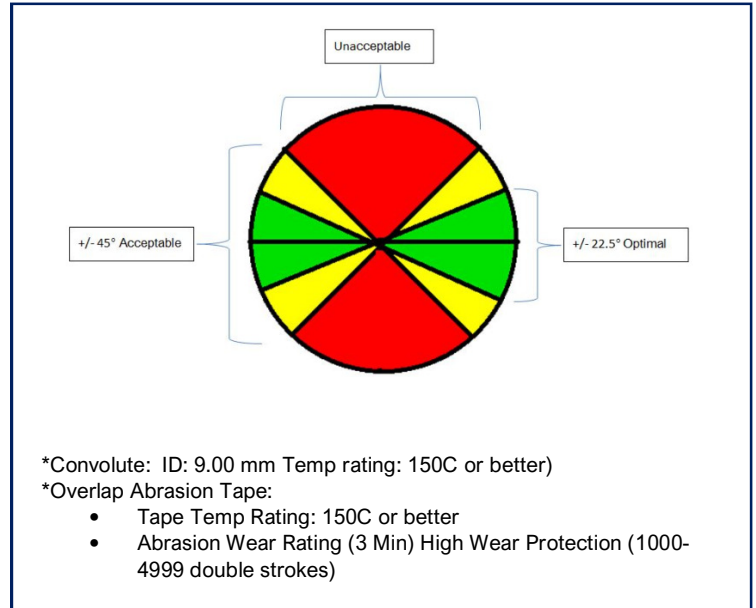
Figure 2

Refer to the Body Builder Layout Book for additional guidelines and recommendations. If you have any questions, please contact the Ford Body Builders Advisory Service as shown in the header of this bulletin.