

F-SERIES SUPER CAB AND CREW CAB - #3 REAR FLOOR CROSSMEMBER INSTALLATION - SERVICE KIT INSTRUCTIONS

KIT		
Part Number	Description	Quantity
FL34-1610696-AB	#3 Rear Floor Crossmember	1
SKFL34-1610696-AA	Instruction Sheet	1

NOT INCLUDED IN KIT (PROCURE LOCALLY)		
Part Number	Description	Quantity
W702512-S900C	Blind Rivet	32
W707638-S900C	Blind Rivet	28
Motorcraft TA-1, 3M 8115 or Fusor 108B	Metal Panel Bonding Adhesive	1

SERVICE GUIDELINES:

- Aluminum repairs should be performed in an area protected from steel working areas, and tools used in aluminum repair should be quarantined from steel repair tools.
- Replacement Self-Piercing Rivets (SPRs) are the preferred replacement during repair for original SPR locations, where feasible. Blind rivets are the next preferred replacement for original SPRs. In some cases, solid rivets may also be used as a replacement for SPRs. The figures will explicitly call out which rivets are possible.
- Replacement SPRs are to be installed adjacent to original SPR location.

NOTE: Do not install replacement SPR in original SPR hole.

- Blind rivets may be installed in original SPR holes, after they are reamed out to 6.5mm. Be sure to grind all surfaces of the flange smooth prior to blind rivet installation in original SPR locations.
- Flow Drill Screws (FDS) are to be replaced by blind rivets only. The original location of the FDS is used, but reamed out to 6.5mm.
- Rivets may be removed by drilling, grinding, or SPR gun set up as a rivet removal tool.
- Using heat (not exceeding 425 °F) to loosen a rivet bonded panel should only be done when all panels in the joint will be replaced or separated and new adhesive applied.
- Flange preparation for adhesive is to grind to clean metal with 80-120 grit, clean, and then apply the adhesive, spreading it out with an acid brush, covering any exposed aluminum.
- Clecos are an excellent way to hold the panels into position when fitting and drilling rivet holes.

SKFL34-1610696-AA

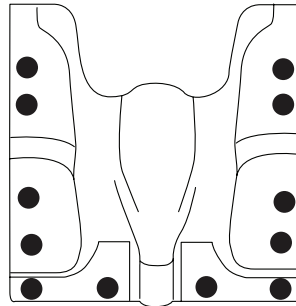
SHEET 1 OF 3



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- Black dots represent the location of the twenty-four (24) blind rivets (W702512-S900C). (Refer to Figure 1).
- Black triangle represent the location of the twenty-eight (28) blind rivets (W707638-S900C) rivets to the floor pan (Refer to Figure 1).
- Cross member can be sectioned to repair outboard ends. (Refer to Figure 2).



**FIGURE 1
(COMMON BETWEEN RIGHT AND LEFT HAND SIDES)**

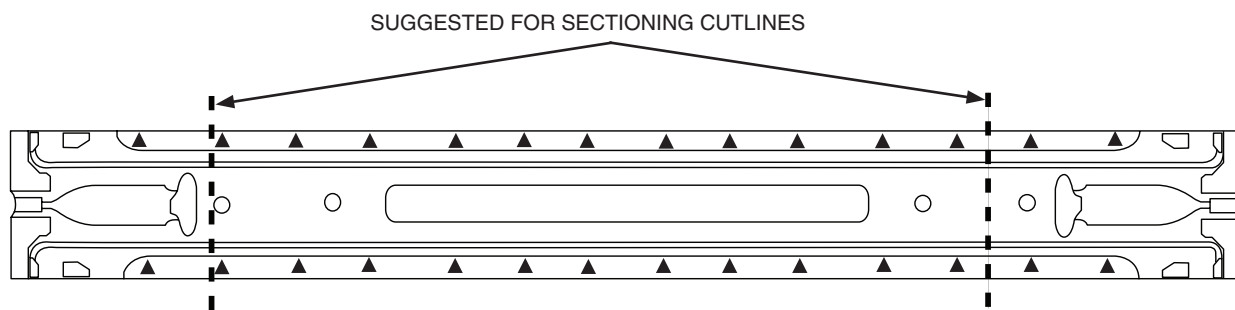
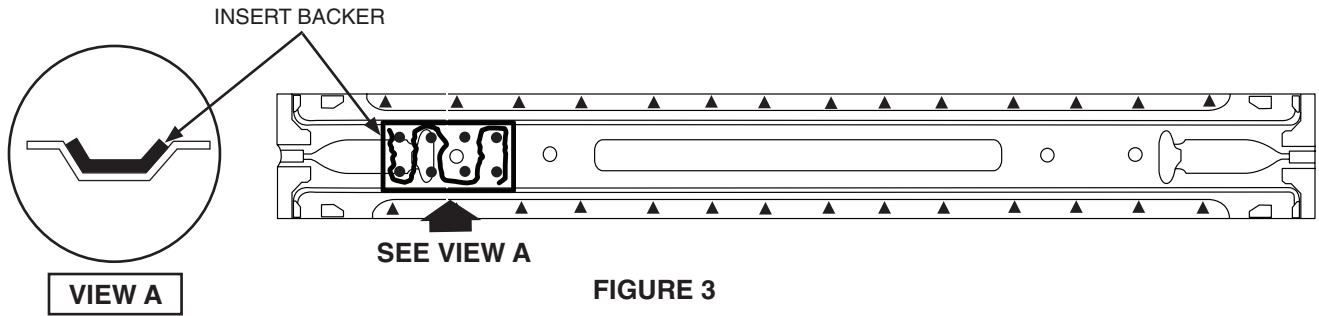


FIGURE 2

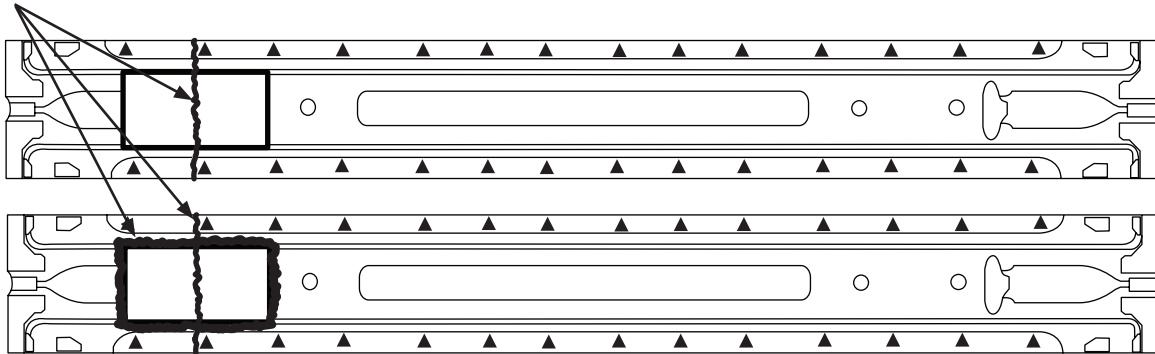


- Make cuts as outlined to remove damaged areas, then make a 4" long insert/backer for repair up to the floor pan flange. (Refer to Figure 3).
- **Option 1** - Insert/backer may be installed using eight (8) blind rivets (W702512-S900C) and adhesive. (Refer to Figure 3).



- **Option 2** - Insert/backer may be welded into section after MIG butt welding of cross member sections. Dress butt weld and fully weld insert/backer into position. (Refer to Figure 4).

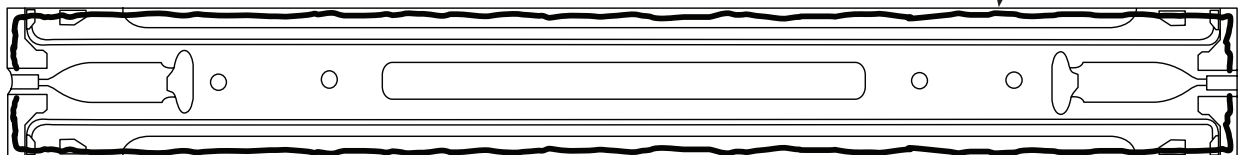
BLACK WAVY LINES
REPRESENT WELD



- (Refer to Figure 5) for location for adhesive material.

NOTE: The location of SPR and adhesive shown below are based on the original production drawings and should only be used as a guideline. (Refer to Figure 5).

BLACK WAVY LINES REPRESENT THE ADHESIVE IS BETWEEN THE CROSS MEMBER AND THE FLOOR PAN AND THE SIDE SILLS



SKFL34-1610696-AA

SHEET 3 OF 3



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