



June 15, 2022

Revision 0

A division of Troy Sheet Metal Works, Inc.
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Part No: PS-21F1-BNCHST
Description: BENCH SEAT

Vehicle: Ford F150
Model year: 2021



Troy Products recommends reading through all installation instructions prior to installation to check that all necessary parts have been included. To comply with manufacturer's safety ratings, all OEM self-threading bolts that are removed must be discarded and replaced with unused bolts at manufacturer's torque requirement.

Tools Required

Wrenches: 5/32", 7/32" Allen wrench or driver
7/16", 9/16" & 5/8" socket
7mm, 13mm, 17mm & 18mm socket

Misc: Cordless or electric drill
2" wide Blue Painters Tape
1-1/4" Hole saw

The seat hardware pack is located in the PTS kit box.



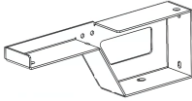
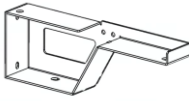
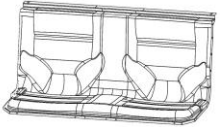
Seat Hardware Pack

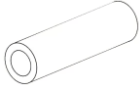
Quickstart Guide

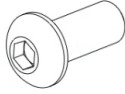
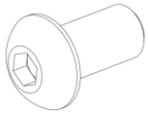
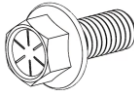
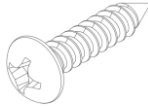
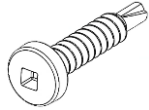
1. Using the C-Pillar drill template (P21F160DT) Mark and drill holes, in the C-Pillar for the top bar assembly. Remove the factory seat belt swivel from the C-pillar mount. Roll up, zip-tie and tuck the factor seat belts behind the C-Pillar trim.
2. Preassemble #tuba, #ld, #lp & screen assembly and Install the top bar assembly (make sure to keep the legs on the correct side). The assembly maybe heavy so a helper maybe required.
3. Install the seat support structure #cbpw, #fgp, #cb, #sgpp, #sgpd and the optional unseat storage boxes.
4. Install the seat belts, DC81 & P002 and seat PU141.

PS-21F1-BNCHST

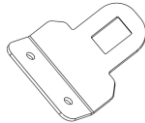
PS-21F1-BNCHST - BILL OF MATERIALS

PARTS	
Part number: PS-21F1-BNCHST-#tuba Description: Top Bar Assembly QTY: 1 	Part number: PS-21F1-BNCHST-#ld Description: LEG DRIVER SIDE QTY: 1 
Part number: PS-21F1-BNCHST-#cbpw Description: COMBINATION BRACKET -PS QTY: 1 	Part number: PS-21F1-BNCHST-#lp Description: LEG PASSENGER SIDE QTY: 1 
Part number: TP-20UV-DIV-#fgp Description: GAP PANEL BRACKET QTY: 1 	Part number: PS-21F1-BNCHST-#gpb Description: GAP PANEL BRACKET QTY: 2 
Part number: TP-21F1-SC-#ecdsw Description: EAR COVER DRIVER SIDE QTY: 1 	Part number: TP-21F1-SC-#ecpsw Description: EAR COVER PASSENGER SIDE QTY: 1 
Part number: PS-21F1-BNCHST-#cb Description: CROSS BAR QTY: 1 	Part number: TP-21F1-SC-#sgpp Description: SIDE GAP PANEL PASSENGER SIDE QTY: 1 
Part number: PS-21F1-BNCHST-#sgpd Description: SIDE GAP PANEL DRIVER SIDE QTY: 1 	Part number: PU141 Description: BENCH SEAT OS BELT QTY: 1 

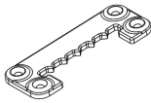
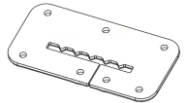
HARDWARE – P21F108H	
Part number: P110 Description: SPACER QTY: 2 	Part number: P211 Description: 10Mx1.5 x 90mm HH CAP SCREW QTY: 2 

Part number: 1-FST-06-60825 Description: ¼-20 x 5/8" BH SOCKET SCREW QTY: 32		Part number: 1-FST-06-00375 Description: 3/8-16 x ¾" BUTTON HEAD SOCKET SCREW QTY: 8	
Part number: P216 Description: 7/16-20 x 1" FLG'D HEX HEAD SCREW QTY: 4		Part number: 1-FST-35-31000 Description: ¼-20 NYLOCK NUT QTY: 2	
Part number: P057 Description: #6 x 5/8" PAN HEAD SHT METAL SCREW QTY: 22		Part number: P053 Description: #10 x 1" LG PH SQ DRIVE SHT MTL SCREW QTY: 4	

SEAT BELTS – SBF150BENCH

Part number: DC81 Description: HIP SIDE TONGUE QTY: 2		Part number: P002 Description: SLIDING BUCKLE QTY: 2	
Part number: P003 Description: STORAGE TONGUE QTY: 2			

TRIM – P21F1TRIM

Part number: P004 Description: C-TOOTHED RETAINER QTY: 2		Part number: P005B Description: BELT SLOT COVER QTY: 2	
Part number: P21F160DT Description: DRILL TEMPLATE C-PILLAR QTY: 1			

I.) Rear seat area preparation:

- 1.) Remove all of the factory rear seats (retain all fasteners),
- 2.) Remove the center upper seat belt housing and brackets. Roll up seat belt and tuck behind rear cover.

(1.)



(2.)



- 3.) Place blue painter's tape over the approximate location of the C-Pillar access holes. Align the provided C-Pillar Drill template over the c-pillar seat belt opening and mark hole location. Drill a 1-1/4" access hole with hole saw. Remove the OEM upper seat belt swivel zip tie and tuck the seat belt behind the C-Pillar trim. (Both driver and passenger sides)

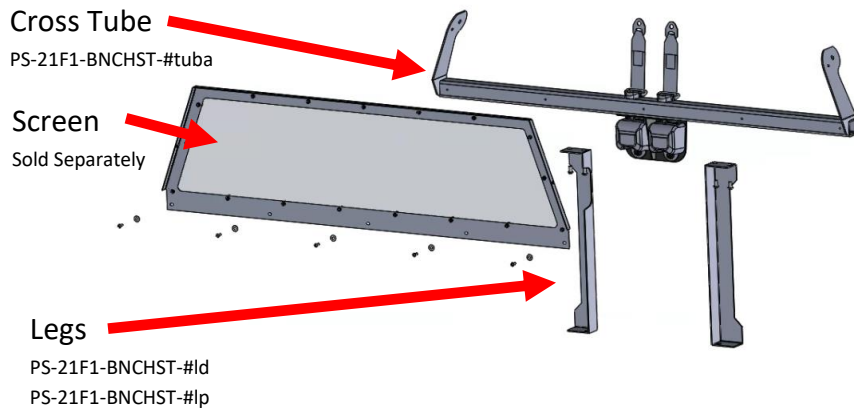


- 4.) Unfasten rear seat belt wire harnesses from the floor (driver and passenger sides). Plug in the factory seat belt buckles and tether and tuck them under the OEM flooring with the wire harnesses, this will avoid error messages on the dash. The two factory buckles will have to be removed from the OEM seats.



II.) Install Frame Work:

- 5.) Pre-assemble the frame work, Install the legs, #ld & #lp, with (4) 3/8-16 x 3/4" Button Head Socket Screw & screen with (5) 1/4-20 BHCS & 1/4" flat washers. Tools required will be a 7/32" & 5/32" hex drivers. Make sure the legs are on the correct side.



Optional light bar screen shown
not included

- 6.) Place assembly from step 5 into the rear seat area against the back wall. The assembly is heavy so it might require a helper.

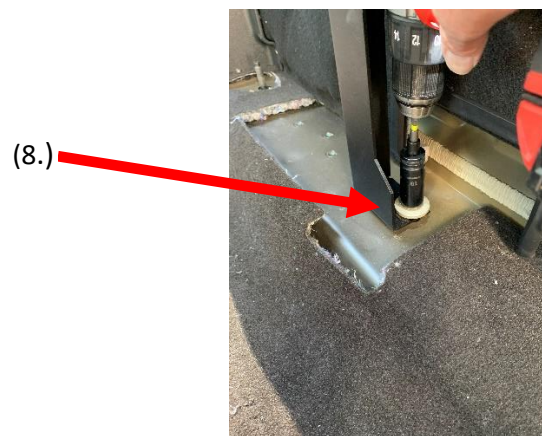
Top Bar Assembly



- 7.) Place the Spacers (P110) into the predrilled access hole and fasten the M10 Screws (P211). Tools required will be a 17mm wrench or socket.



- 8.) Install the factory seat nuts on the lower flange of the legs. Fasten both Driver and Passenger Sides. Tools required will be a 18mm wrench or socket.



III.) Install Seat Support Foundation:

- 9.) Install the driver and passenger side combination brackets. Fasten with the previously removed OEM Screws and Nuts from the OEM seats.

PS-21F1-BNCHST-#cbdw
TP-21F1-SC-#cbpw



OEM Nut

OEM Screw

- 10.) Install the cross bar (PS-21F1-BNCHST-#cb). Fasten with the provided 3/8-16 x 3/4"lg Button Head Socket Screws (1-FST-06-00375).

Cross Bar

PS-21F1-BNCHST-#cb



- 11.) Attach the Center Support Structure (Sold Separately) to the cross bar with the provided 1/4-20 x 5/8"lg Button Head Socket Screws (1-FST-06-60825). Screws mount from inside the Center Support Structure.

(Inside the box)



- 12.) Attach the Driver and Passenger Side Structure Pieces with the provided (6) 1/4-20 x 5/8"lg Button Head Socket Screws (1-FST-06-60825). (4) inside connecting to the Center Structure & (2) Outside from the Combination Brackets. If using the side drawer option, the drawer will need to be removed to access the gap panel PEM studs.



- 13.) Install the Driver Side and Passenger Side Gap Panel Brackets with the provided ¼-20 x 5/8"lg Button Head Socket Screws (1-FST-06-60825).

Gap Panel Brackets



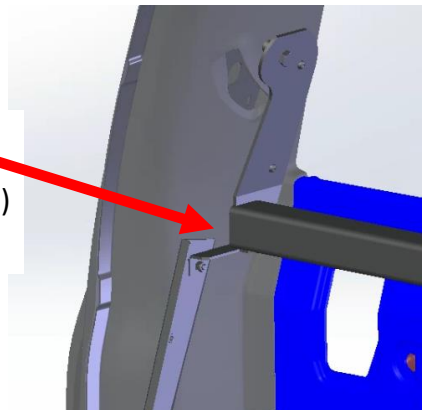
- 14.) Install the Driver and Passenger Side Seat Gap Panels with the provided ¼-20 x 5/8"lg Button Head Socket Screws (1-FST-06-60825) and ¼-20 Nylock Nuts (1-FST-35-31000).

Gap Panel



- 15.) Install the Driver and Passenger brackets (PS-21F1-BNCHST-#bp & PS-21F1-BNCHST-#bd) with the provided ¼-20 x 5/8"lg Button Head Socket Screws (1-FST-06-60825) and ¼-20 Nylock Nuts (1-FST-35-31000)

Bracket
(PS Shown)



IV.) Install the Safety Belts and Seat:

15.) Install the Driver and Passenger Side Hip Side Tongues (DC81) with the provided 7/16-20 x 1"lg Flg'd Hex Head Screws (P216), Make sure to angle the mounting direction outward at about a 45 degree angle (As shown in the picture below). Tools required will be a 5/8" wrench or socket.

Hip Side Tongue



16.) Set seat loosely into position over frame and structure. Drape the seat belts over the top of the seat and slip the Sliding Buckle (P002) over the seat belt ends (Both Driver and Passenger sides). Slip the seat belt ends through the center slot and fasten with the (2) 7/16-20 X 1"lg flg'd hex head screws (P216). Tools required will be a 5/8" wrench or socket.

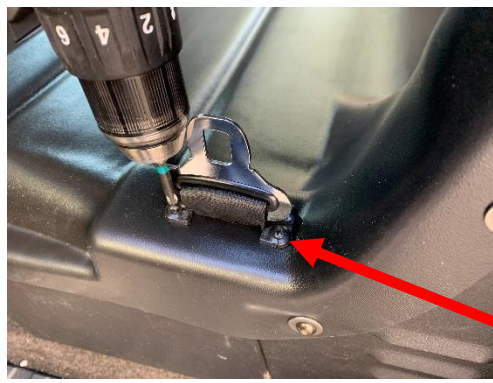
Sliding Buckle



17.) Push seat back into position and route the seat belts through the upper slots.



18.) Pull the Hip Side Tongues (DC81) up through the outer side slots. Place the C-Toothed Retainers (P004) around the belt and center over the slot. Secure with (8) #6 x 5/8" sheet metal screws (P057). Tools required will be a phillips screw driver.



C-Toothed Retainer

19.) Place the belt slot covers (P005B) around the seat belts and over the center seat belt slots. Secure with (14) #6 x 5/8" sheet metal screws (P057).



Seat Belt Slot Cover

20.) Secure the seat onto the structure with the provided 1/4-20 x 5/8"lg Button Head Screws (1-FST-06-60825).



21.) Install the Driver and Passenger Side Ear Covers with the provided 1/4-20 x 5/8" Button Head Socket Screw (1-FST-06-60825).

Ear Cover



Your installation is now complete. If you have any questions or suggestions for adding additional instructions, please call **Customer Service at (800) 700-8769**.

