

INSTALLATION GUIDE

P1000 PRO-CELL

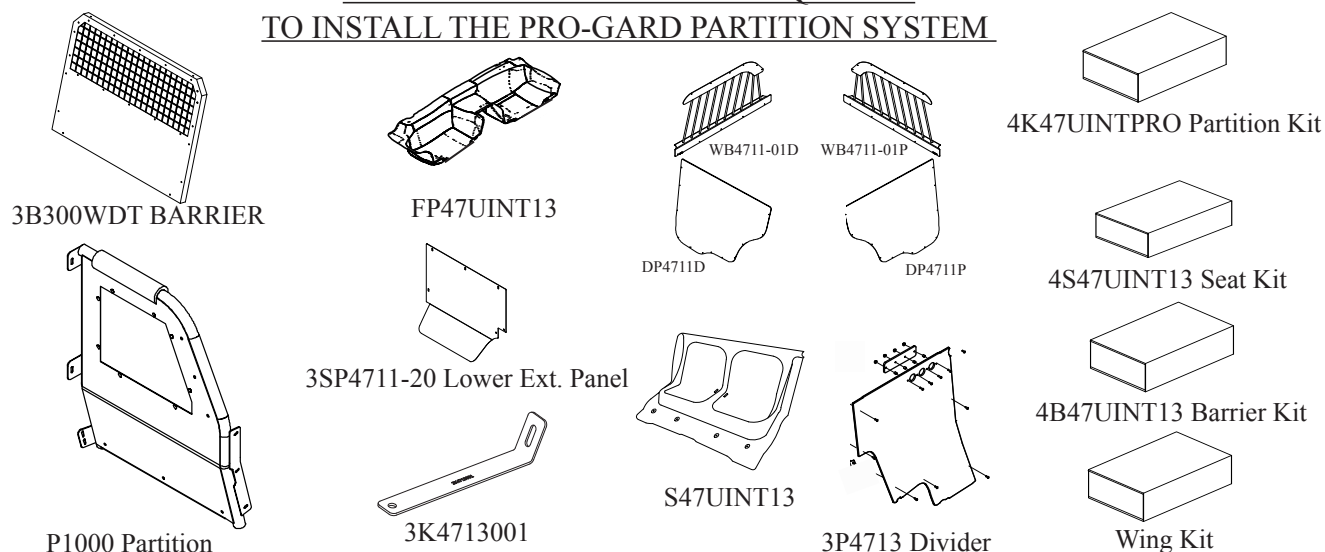
2013 - 2019

POLICE INTERCEPTOR UTILITY

Pro-gardTM
PRODUCTS LLC.

STRONG. RELIABLE. SECURE.

THESE COMPONENTS ARE REQUIRED
TO INSTALL THE PRO-GARD PARTITION SYSTEM



I. Refer to the diagram on the last page of these instructions to verify all parts were received.

II. The following tools will be required to complete the installation.

- | | |
|--|----------------------------|
| A. 1/4" drive ratchet with 7/16" socket | E. 3/16" Allen key |
| B. 3/8" drive ratchet and 6" extension with 15mm and 18mm socket | F. 1" Hole saw |
| C. Drill with 5/16" diameter bit | G. Drill with 3/8" Socket |
| D. Phillips Screw Driver | H. 7/16" End Wrench |
| | I. 1/2" drill bit w/ drill |
| | J. Saw |

III. Read all instructions carefully before starting the assembly process.

NOTE: *Locate all Wiring, Fuel lines, Brake lines, Coolant lines and Refrigerant lines before drilling holes or installing self-drilling fasteners.*

IV. Remove OEM Rear Seat

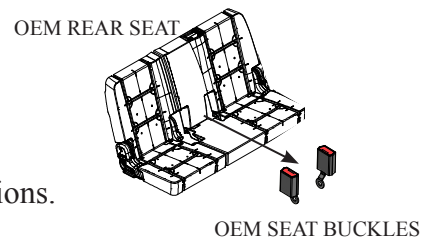
A. Locate the four OEM seat rear mounting bolts, they are located at the rear of the OEM rear seat under the Load Floor Access Panel. Using a 18mm socket wrench remove the nuts from the OEM studs. Next, remove the four OEM nuts and the four OEM bolts secure the front of the OEM rear seat to the vehicle.

B. Remove the two center OEM seat belt buckles from the OEM seat (See Fig. 1)

Fig. 1

V. Cargo Barrier Installation.

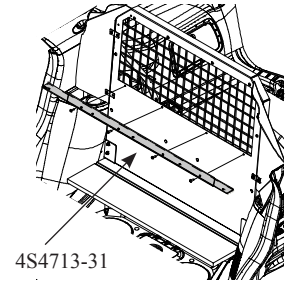
A. The Cargo Barrier (3B300), Barrier Mounting Hardware (4B47UIN13), and Barrier Filler Wings (4W47UIN13A) are marked and packed in separate boxes. Install the Cargo Barrier components according to their included Install Instructions.



VI. ABS Transport Seat Mounting Rail Installation

- A. Remove the lower four bolts and nuts securing the window into the cargo barrier. Retain them for the next step.
- B. Orient the Seat Upper Mounting Rail (3S4713-31) so the long flange with the weld nuts is pointed towards the floor. Place the Rail onto the Cargo Barrier and align it with the lower holes in the Barrier. Fasten the Rail using the bolts and nuts previously removed from the Barrier. (See Fig. 2)

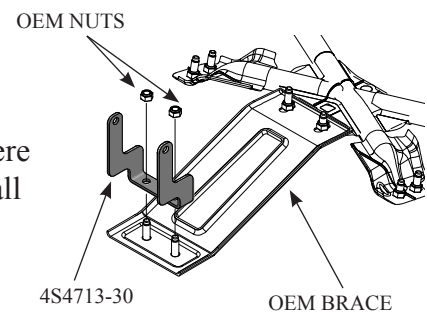
Fig. 2



VII. Seat Belt Extension Bracket Installation.

- A. Remove the nuts from the studs securing the brace from the OEM rear frame support to the seat mounting plate. Retain the studs for use in the next step.
- B. Orient the Seat Belt Extension Bracket (3S4711-30) so the offset faces the front of the vehicle. Place The Bracket over the studs in the OEM Brace and secure using the nuts removed previously (See Fig. 3)

Fig. 3

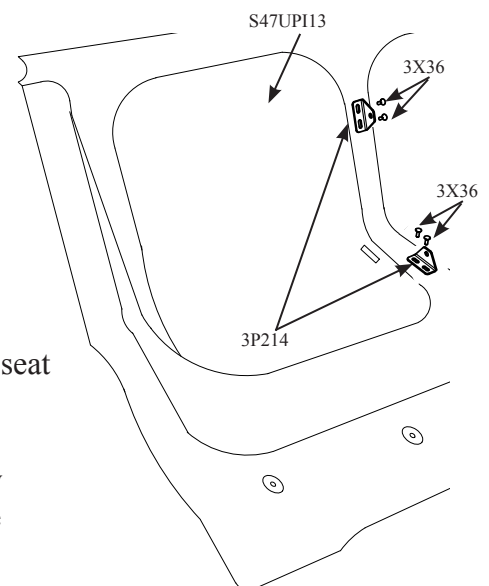


VIII. Floor Pan Installation

- A. Place the ABS Floor Pan in the vehicle, making sure that there are no objects underneath of it. Insure that the Floor Pan is all the way back and down against the rear seat area.
Note: *The Floor Pan goes under the B-pillar trim and flush against the rear scuff trim.*

Fig. 4

PASSENGER SIDE SHOWN



IX. ABS Transport Seat Installation.

1. Preparing Transport Seat for installation:

- A. If installing a Pro-Gard Pro-Cell Kit with center divider then, go to Step B. If not installing a center divider, skip to Step C
- B. Attach the (3P214) Divider Mounting Brackets using the supplied bolts (3X36) and whiz nuts (3X16Z), before installing the seat in to the vehicle. There are dimples in the seat marking the location for the holes to be drilled. (See Fig. 4)
- C. Remove the OEM foam located under the OEM Second row seat just in front of the hinged flap of the cargo floor. Secure hinged flap, to prevent interference with ABS Seat.

D. Place the ABS Seat into the vehicle. Tip the seat to the rear, pull the shoulder belts out of the way and slide the seat back and up until the four holes along the front lip of the seat begin to align with the four OEM seat mounting studs in the floor. Take extra care when aligning the Seat Belt Extension Bracket with the Slots in the ABS Seat. Push the seat back and down seat rests against the Seat Mounting Rail.

Note: *If vehicle is equipped with OEM raceway using the 1/2" drill bit drill out the centers of the (2) marked radii and cut along the marking with a saw.*

Note: *The ABS Transport Seat sits on top of the ABS Floor Pan and the OEM rear scuff trim.*

E. Start the five Phillips head screws (3X05) with washers (3X12) along the top of the seat into the Seat Mounting Rail. It may be necessary to enlarge the holes in the Transport Seat to insure proper thread stating.

F. Push the front lip of the seat down over the mounting studs and start the four acorn nuts (3X222).

G. Check the overall fit and alignment of the seat. Tighten all seat fasteners.

X. Seat Belt Buckle Installation.

A. Place the Rubber Seat Belt Grommets (S6001F) over the Seat Belt Extensions and into the slots on the ABS Transport Seat.

B. Using the Supplied 1/2-13 x 1" (3X221) Low Head Bolts and 1/2-13 Flange Nuts (3X220) Attach the OEM seat belt buckles to the Seat Belt Extension Br

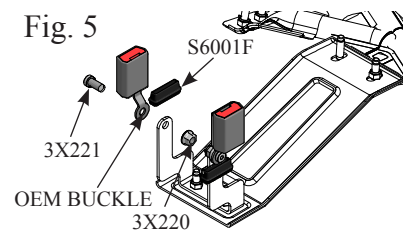


FIG. 6
PASSENGER SIDE SHOWN

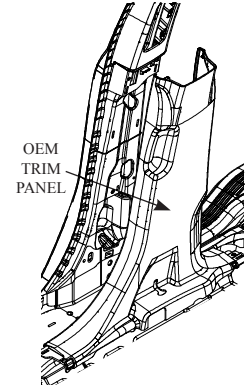


FIG. 7A
PASSENGER SIDE SHOWN

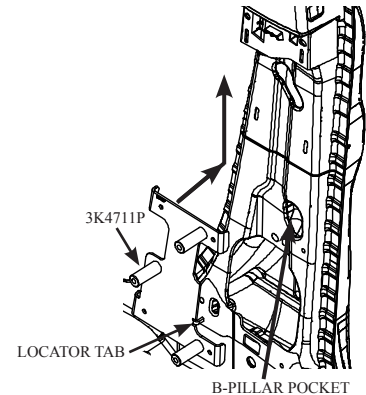
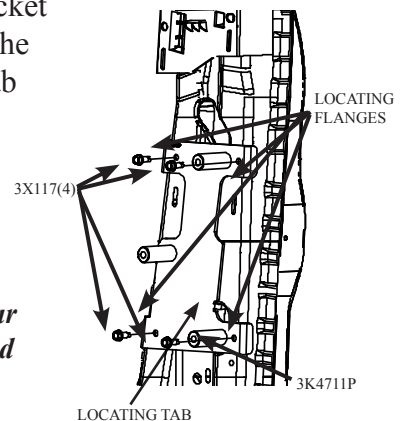


FIG. 7B
PASSENGER SIDE SHOWN



A. Remove Lower B-Pillar trim on the Passenger-side.
This will be reinstalled after bracket installation. (See Fig. 6)

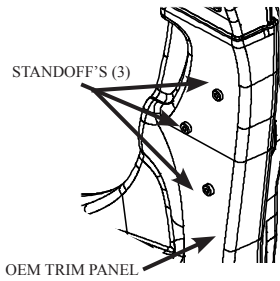
B. Place the Passenger B-Pillar bracket (3K4710P) against the B-Pillar face.

C. Orientate the B-Pillar bracket so the locating tab fits into the Oval Pocket on the vehicle B-Pillar and the formed locating flanges wrap around the vehicle B-Pillar. Push over and up on the Bracket until the locating tab is at the top of the pocket and the flanges are tight against the vehicle B-Pillar edge. Insuring that the bracket is located correctly, using the supplied Self-Drilling screws (3X162) secure the B-Pillar bracket to the vehicle B-Pillar. (See Fig. 7A & 7B)

NOTE: *It is critical that the seat belt strap be on the "outside" of the B-Pillar bracket. Test the seat belt to confirm that there is no interference and that it functions properly.*

FIG. 8

PASSENGER SIDE SHOWN



XII. Drilling B-pillar Trim Panels

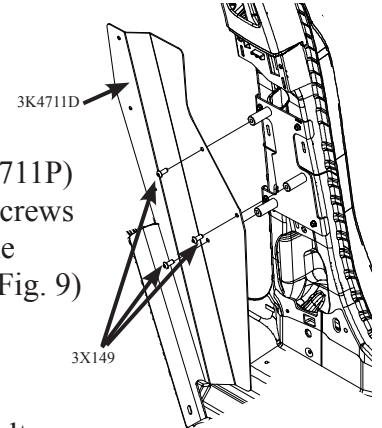
- Carefully align the template per their included instructions on to the Passenger-side trim panel. Using a 1" Hole Saw drill the clearance holes as marked on the template.
- Replace the trim panel, insuring that the standoff's protrude through the panel. (See Fig. 8)

XIII. Installing Partition Mounting Plates

- Attach the Passenger-side Mounting Plate (3K4711P) using the supplied 5/16-18 x 3/4" Button head screws (3X149) to the Standoff's protruding through the B-pillar trim. Hand tighten fasteners only. (See Fig. 9)

FIG. 9

DRIVER'S SIDE SHOWN



XIV. Center Mounting Post Installation

- Remove the OEM Wiring Tunnel if present, by removing the two 8mm bolts on the rear of the OEM Console Mounting plate and the two fasteners holding the rear of the tunnel to the vehicle floor.
- Remove the OEM Console Mounting Plate by removing the rear two 8mm fasteners and the front two 8mm fasteners.
- Loosen the two OEM nuts holding the Console Mounting Bracket to the vehicle chassis.
- Place the Center Support Bracket under the Console Mounting Bracket and reverse steps A -C.

XV. Partition Installation

- Due to the weight and size of the partition, assistance from another party is highly recommended. Insert the partition into the vehicle, lift and position the partition so that it aligns with the Partition Mounting Plate and the Center Support Bracket, using the supplied 1/4-20 x 5/8" Carriage Bolts (3X36) and 1/4-20 Whiz nuts (3X16Z) secure the Partition to the Mounting Plates. Hand tighten fasteners only.
- Remove the rear inside bolt for the Passenger seat, place bracket 3K4713001 inside the seat track replace the OEM seat and leave loose, connect the bracket to the corresponding hole in the partition and tighten, using Carriage Bolts (3X36) and Whiz nuts (3X16Z).

XVI. Filler Wing Installation

- The Filler Wings and their mounting hardware are packed in separate box marked Wing Kit. Install the Filler Wings according to their included Install Instructions.

XVII. Seat Protector Installation

- The Seat Protectors and their mounting hardware are packed in separate box. Install the Seat Protectors according to their included Install Instructions. Part 3K4713001 uses the hole location shown on page 8 to attach to the seat protector in the manner shown.

XVIII. Installing the Center Divider

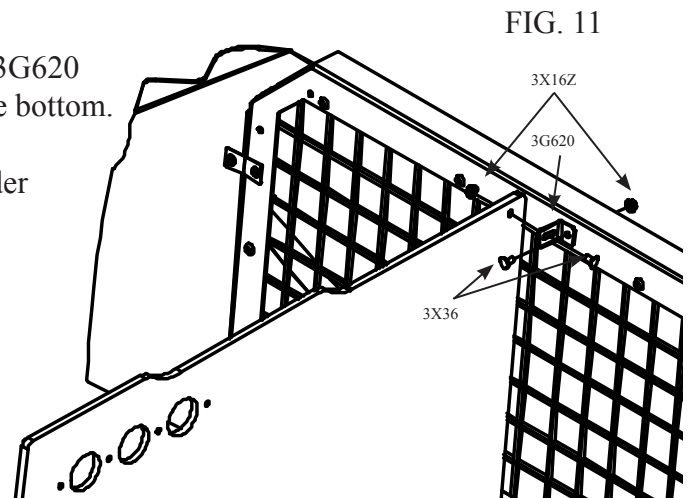
NOTE: *If installing in a vehicle with a wire raceway, then line up the divider with the wire raceway using it as a guide to mark the divider to cut it. When cutting make sure the dividers protective coating is on.*

- A. Attach the 3G620 Bracket to the front of the Barrier at the top center of the window so the flat side of the bracket is toward the passenger side so the divider will mount flat against it. It may be necessary to drill a hole in the barrier in this location. (See Fig. 11)
- B. Remove two bolts at the top and bottom center of the partition window and install 3G620 brackets in the same manner
- C. Assemble vent plate over 3 large diameter air holes. Use (black ABS) spacers between plate and center divider. Secure using the long, Phillips head screws, black whiz nuts, and black caps. (See fig. 12)
- D. Bring the divider in top first from the passenger side. Mate the rear edges to the seat belt attachment bracket and mounting brackets at the top of the seat and barrier. Now slide the divider toward the center of vehicle and against the four mounting brackets and the 3 tabs on the partition and the center support bracket. Push forward on the partition to make this easy. Mark all six mounting hole locations on the divider with a felt tip marker then remove the divider for drilling or drill in place if desired.

- E. Pick a location, mark, drill and install one more 3G620 bracket in the back of the recessed panel near the bottom.

- F. Mark all six mounting hole locations on the divider with a felt tip marker then remove the divider for drilling or drill in place if desired.

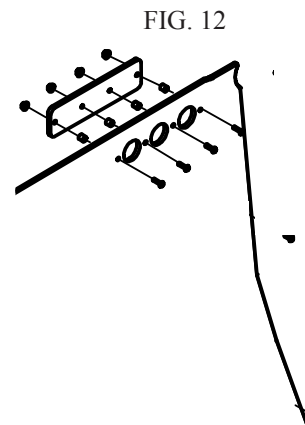
- G. Secure using the carriage bolts and whiz nuts provided.



XIX. Installing Barrier Filler Wings

- A. Install the Wing Mounting Brackets (3P929) to the “front” side of the filler wings, with the bend facing forward. (See Fig. 7 Cargo Barrier)

- B. Place the Filler Wing Assemblies against the front side of the Barrier. Fasten the assemblies using the supplied bolts (3X92) and nuts (3X16Z). Insure that the Filler Wings can flex forward in the event of a crash. (See Fig. 7 Cargo Barrier)



NOTE: *Installation of the Filler Wings according to these instructions is critical in their ability to function properly in the event of Side Air Bag deployment*

XX. OEM Door Panel Removal

Fig. 13
PASSENGER-SIDE SHOWN

- A. Remove the OEM door panel from the door frame. (See Fig. 13)

Note: Save the lower two OEM fasteners, as they will be reused in ABS Door Panel installation.

- B. Remove the power window switch from the door panel.
- C. Secure the door latch cable to the door frame so it will not rattle.
- D. Make sure the power window switch is connected to the harness, protect it from moisture and secure the harness inside the door frame away from the window travel.

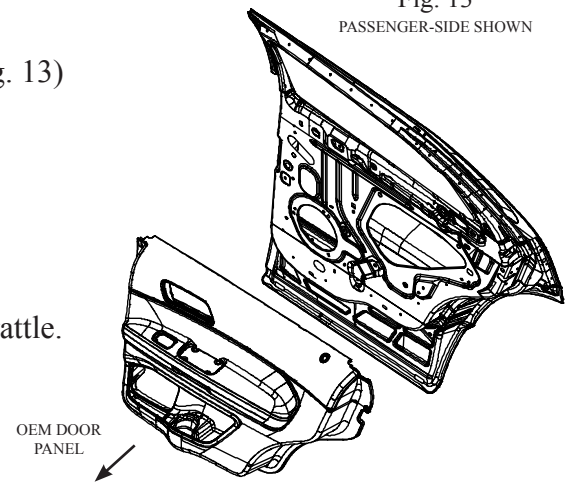


Fig. 14
PASSENGER-SIDE SHOWN

- E. Remove the top portion of OEM Stud (above nut) holding the window track into place. (See Fig. 2)

XXI. ABS Door Panel Installation

- A. Place the ABS Door Panel against the door and align and install the lower two OEM screws into the existing holes on the bottom of the door. (See Fig. 2 & 3)
- B. Attach the remainder of the door panel with #8 x 5/8 self tapping screws (Do not install screws in the 5 holes along the top until window armor has been installed)

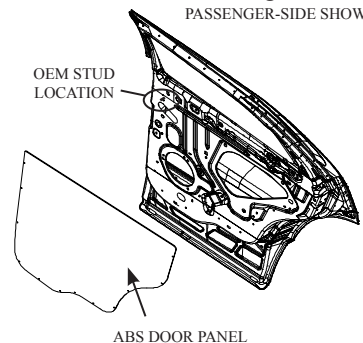


Fig. 15
PASSENGER-SIDE SHOWN

XXII. Window Armor Installation

- A. Place the Window Armor on top of the rubber trim installed above. Center the outside of the metal mounting frame on the door side to side. (See Fig. 4)
- B. Align the holes in the top rail with the upper door frame. Ensure all holes line up with door frame before securing.
- C. Install the center lower screw first then install the upper plate screws. Followed by the remaining lower screws. The supplied screws are a Type A-self tapping but sometimes it is necessary to drill a 7/64" pilot hole.

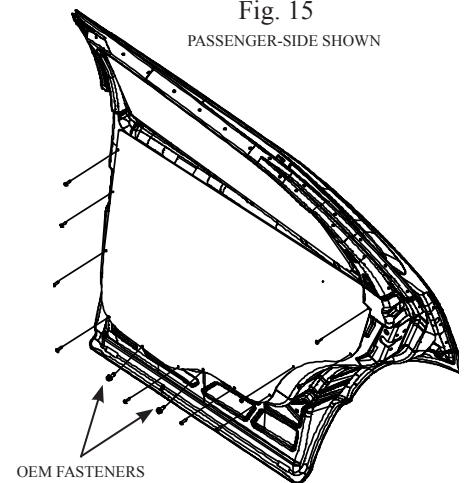
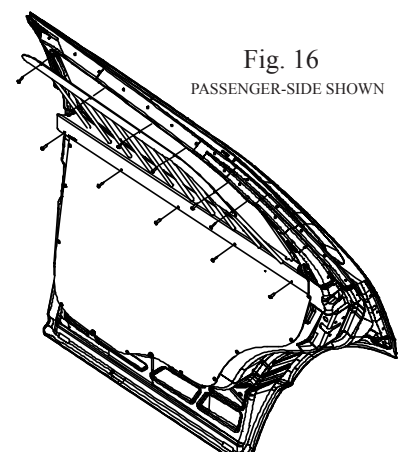
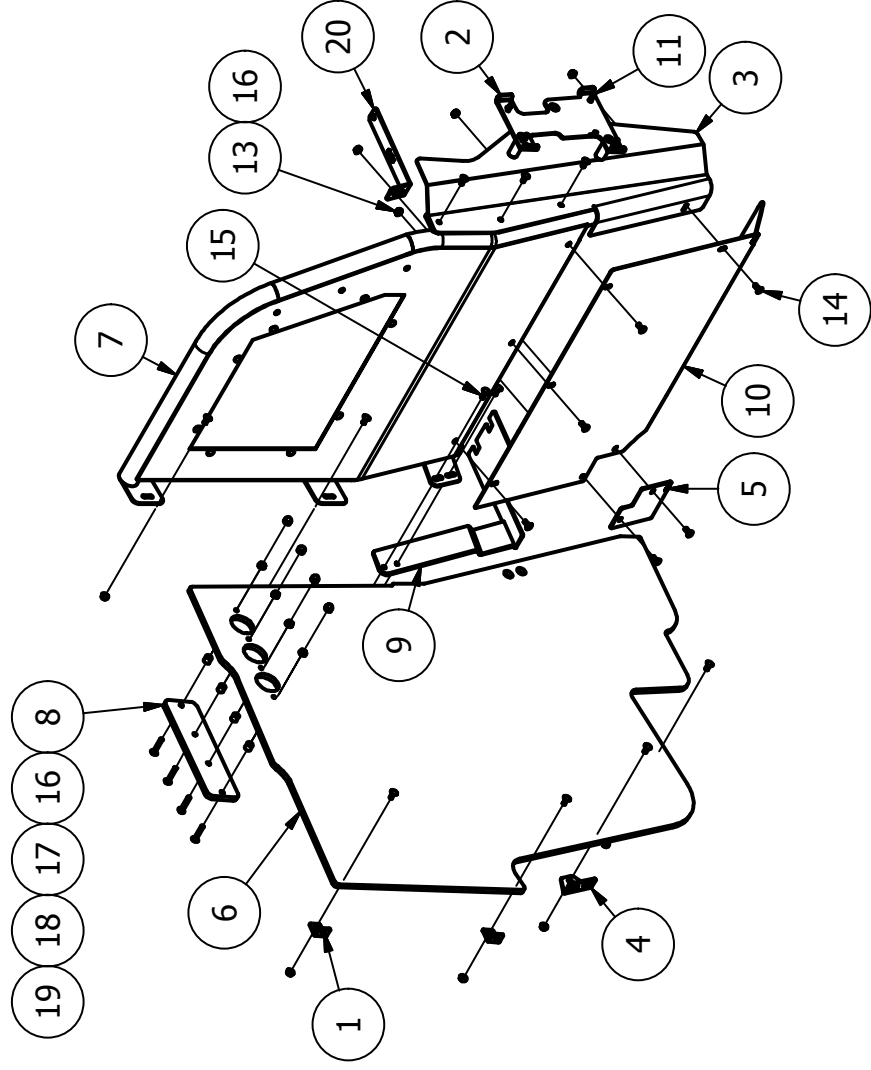


Fig. 16
PASSENGER-SIDE SHOWN

- XXIII. Review the overall installation for fit and function. Tighten all fasteners. Installation is complete



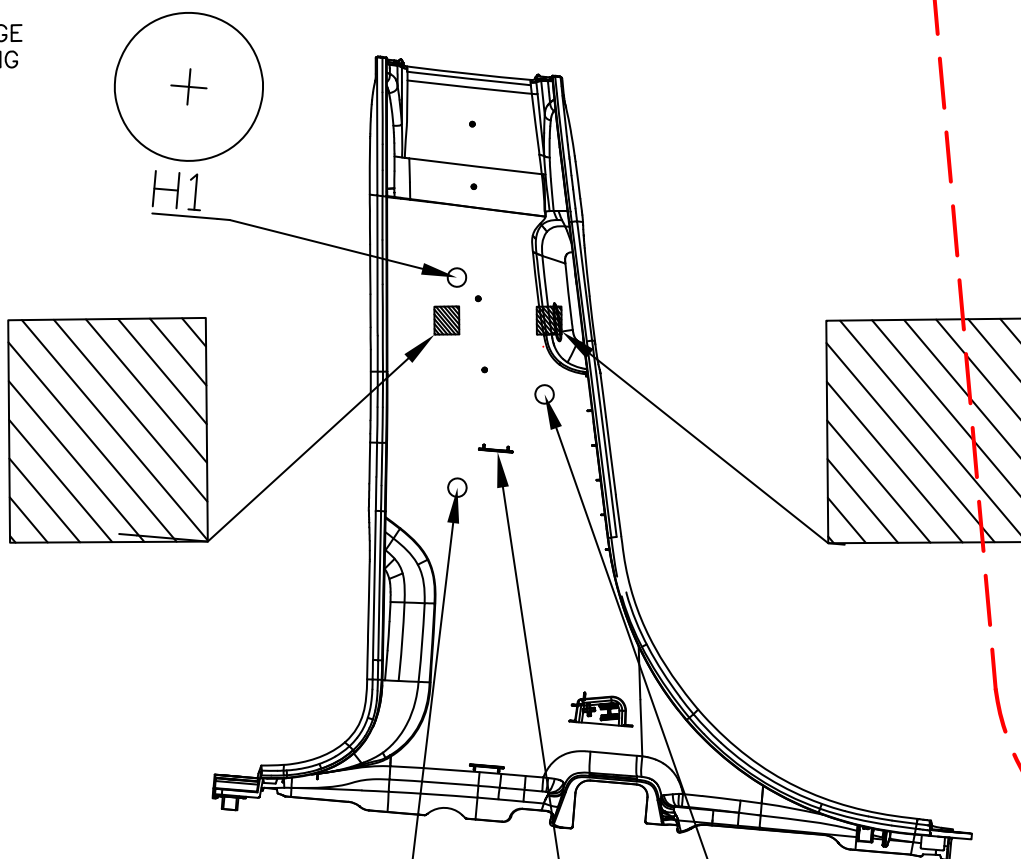
PARTS LIST		
ITEM	QTY	PART NUMBER DESCRIPTION
1	2	3G620 UPPER DIVIDER BRACKET
2	1	3K4710P B-PILLAR BRACKET
3	1	3K4711P LOWER SHEET METAL PANAL
4	2	3P214 DIVIDER MOUNTING BRACKET
5	1	3P300-D SEAT PROTECTOR FILLER PANAL
6	1	3P4713 PRO-CELL DIVIDER
7	1	3P1000 PARTITION PRO-CELL UINT 13
8	1	3P8010 DIVIDER VENT PLATE
9	1	3PRT4711-21 CENTER SUPPORT BRACKET
10	1	3SP47-20 SEAT PROTECTOR
11	4	3X110 1/4"-14x1" SELF DRILLING SCREW
12	3	3X149 5/16-18 X 3/4 BSHCS, BK
13	17	3X16Z 1/4-20 WHIZ NUT
14	15	3X36 1/4-20 X 5/8 CARRIAGE BOLT
15	2	3X61 1/4-20 X 3/4 CARRIAGE BOLT
16	19	3X145 BLACK PLASTIC CAP
17	4	3X07 1/4-20 X 1-1/2 PHIL TRUSS HD MS
18	4	4G5070P1 3/8 SPACER
19	4	3X16 1/4-20 WHIZ NUT BLK
20	1	3K4713001 Stiffening Bracket



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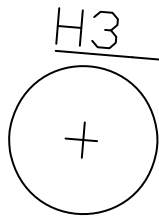
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DIRECTIONS

1. CUT ALONG DASHED LINES
2. CUT OUT HATCHED AREAS
3. ALIGN CUT OUT AREAS WITH THEIR CORRESPONDING BOSS ON OEM B-PILARR TRIM PANEL
4. CENTER PUNCH 3 HOLE LOCATIONS THRU TEMPLATE & DRILL/CUT 1" DIA. HOLE
- 5 REINSTALL B=PILARR TRIM PER INSTALL INSTRUCTIONS



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2013-CURRENT
FORD POLICE UTILITY INTERCEPTOR
B-PILLAR TRIM TEMPLATE-PASSENGER