



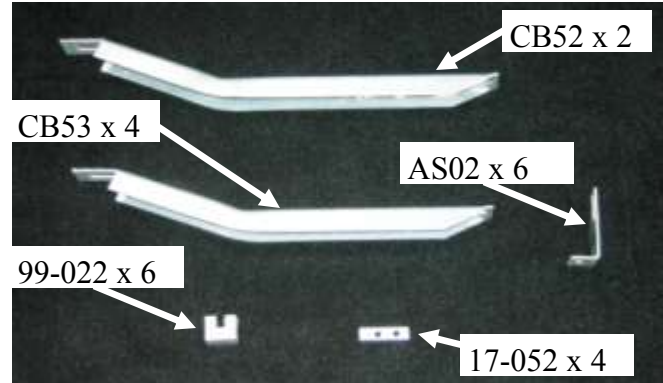
Tools Required

- Ratchet
- 13mm Socket
- 1/2" Socket
- 1/2" Wrench
- 1/8" Allen Wrench
- Vice Grip Pliers
- Tape Measure
- Drill with 3/8" Nut Driver

Hardware Included

- [BRACKETS](#)
SHOW ON
RIGHT
- 1- BOLT
PACK

No Drilling into Vehicle is Required



Torque Specification:

- 5/16" Bolt - 19 Ft Lbs.
- M8 Bolt - 11 Ft Lbs.
- 1/4" Set Screw - 10 Ft Lbs.



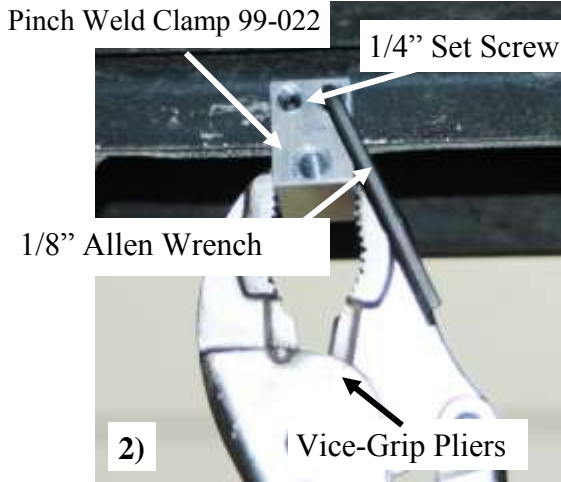
- 1) Measure back from front wheel well as seen in **Picture 1**, at the distance of 10-1/2", 37-1/4" and 61" you will see oblong hole at 10-1/2" location small round hole at 37-1/4" location and large round hole at 61" location on the underside of frame rails. This is where the channel brackets top tab will be placed. The longest channel CB 52 will be used in the front (10-1/2") location, channel CB 53 used at middle (37-1/4") location and at the rear (67") location.

Mark with a marker on pinch weld at the following dimensions this will be the centers of the 99-022 pinch weld clamps.

Driver side Positions: 1st = 12 5/8", 2nd = 39 1/2", 3rd = 63"

Passenger side Positions: 1st = 12 5/8", 2nd = 39 1/2", 3rd = 63"

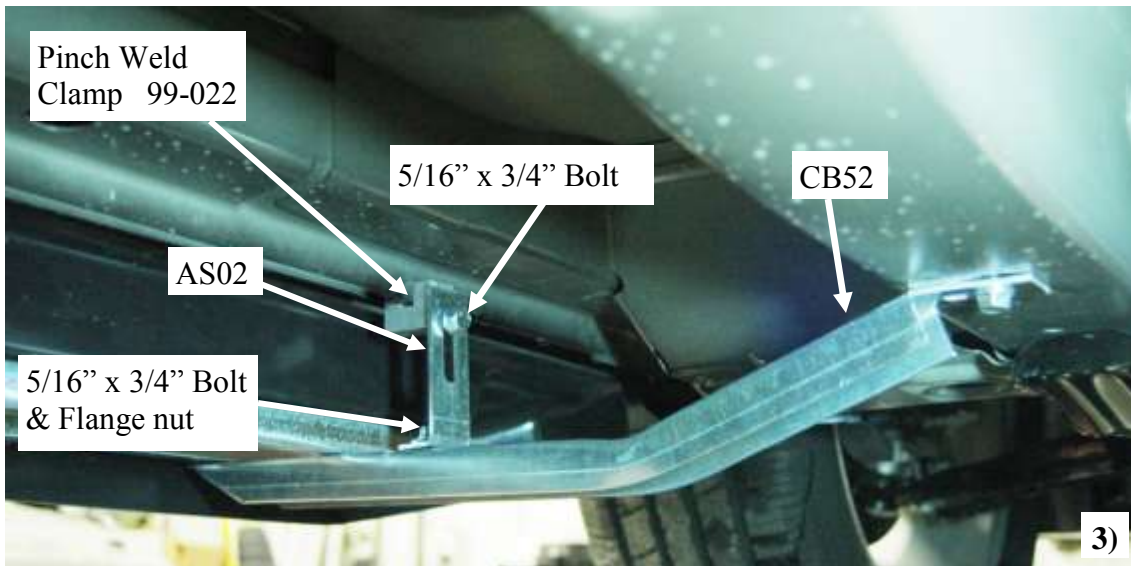
Note: All brackets will angle toward rear of vehicle.



- 2) At each center mark, mount the pinch weld clamp 99-022. You will have to pry the lower plastic away to fit clamp onto pinch weld metal. Tighten the set screws with 1/8" Allen wrench holding with pair of vise grips for leverage.

Make sure set screws are as tight as possible.

1st Driver Location



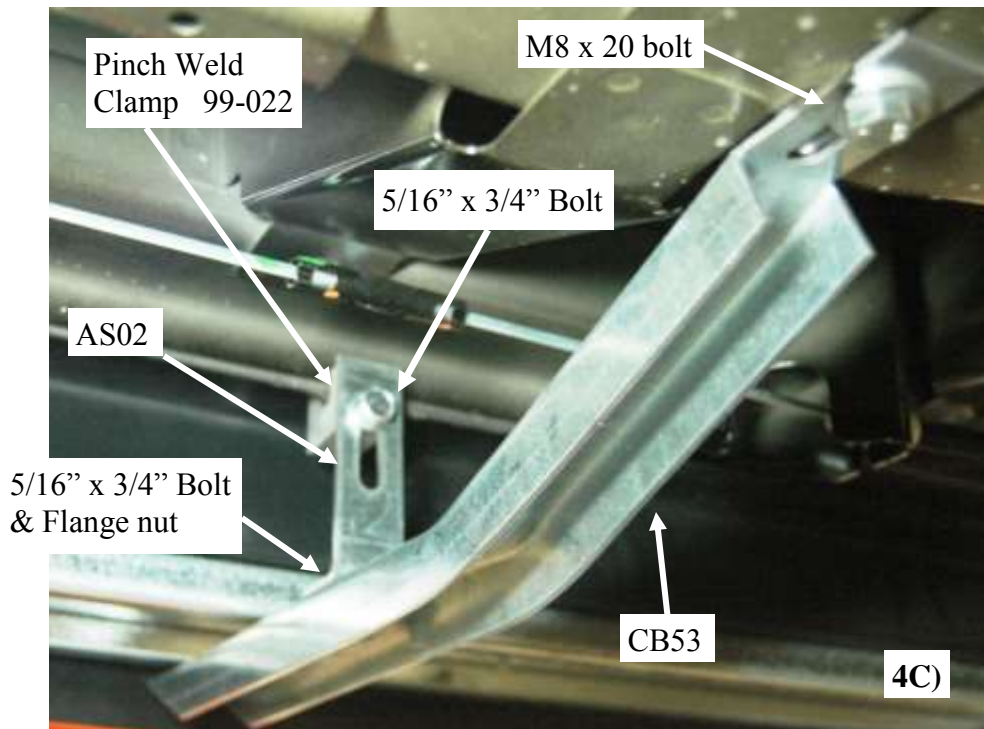
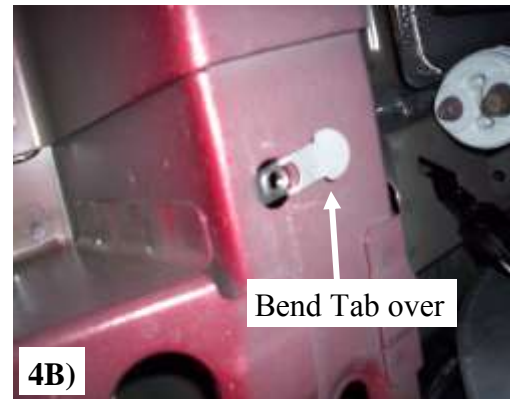
- 3) Place a 5/16" x 3/4" flange bolt through the top slots on the CB52 bracket top tab and thread a couple threads into 17-052 re-enforcement nut. Slide the 17-052 re-enforcement nut into slotted hole in frame. Snug up bolt so bracket is up against the bottom of the frame. **Picture 3**

Take a 5/16" x 3/4" bolt through slot on the AS02 thread into the 99-022 pinch weld clamp from out side. **Picture 3**

Mount the CB52 channel onto AS02 with a 5/16" x 3/4" bolt and flange nuts. **Picture 3**

Leave bolts loose for later adjustment.

Driver 2nd Location



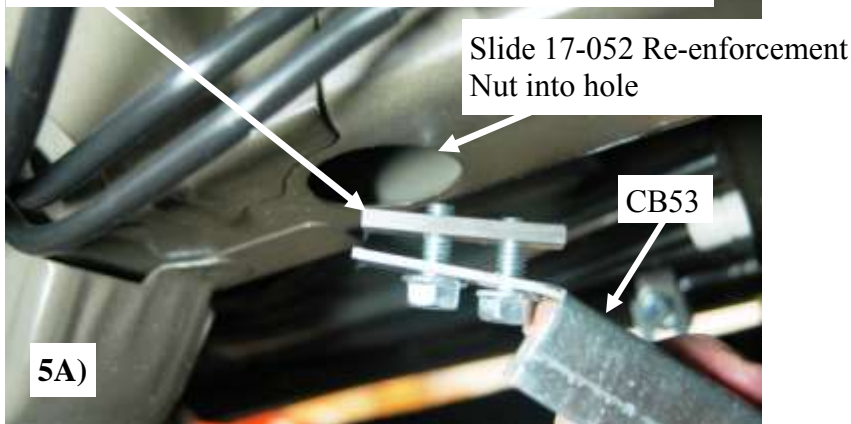
Install M8 in-pull nut into middle hole (37-1/4" location) as shown in **Picture 4A**. Be sure to hold onto steel tab, once placed into hole pull down and bend over tab as in **Picture 4B**.

Now using channel CB53 insert M8 x 20 bolt with and flat washer through the top tab of the channel and carefully thread bolt into M8 in-pull nut as shown in **Picture 4C**. Take a 5/16" x 3/4" bolt through slot in the AS02 and thread into the 99-022 pinch weld clamp.

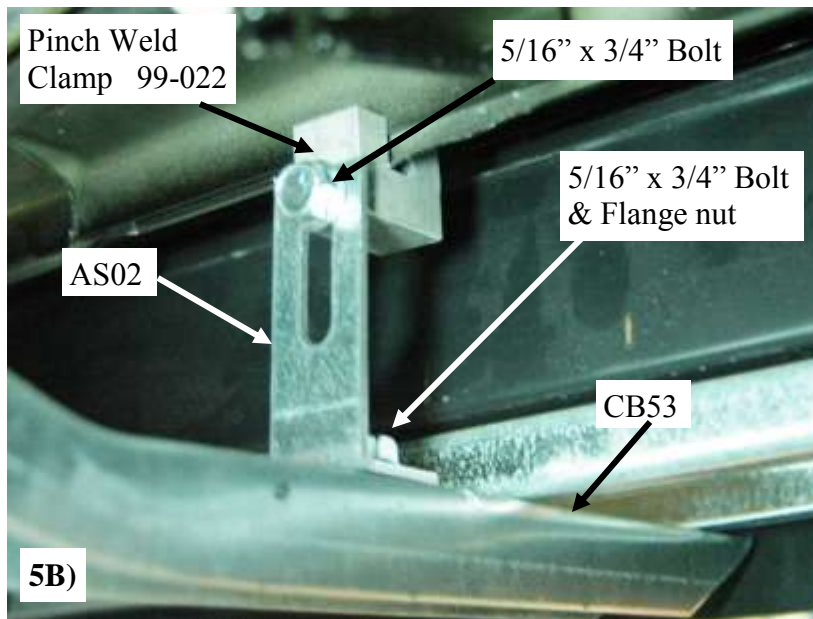
Mount the CB53 channel onto AS02 with a 5/16" x 3/4" bolt and flange nuts. **Picture 4C**

Driver 3rd Location

(2) 5/16" X 3/4" Bolt & 17-052 Re-enforcement Nut

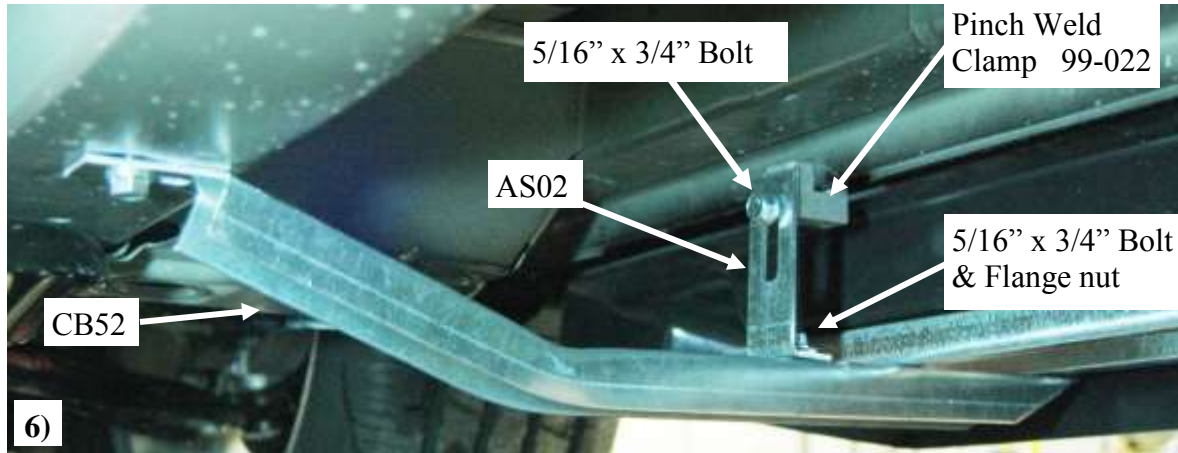


- 5) Install two 5/16" flanged bolts and 17-052 re-enforcement nut into channel CB53 as in **Picture 5A**. Make sure to position the channel as far forward to the front of the vehicle in the hole. Hand tighten the two bolts once the 17-052 re-enforcement nut is slide up into hole to snug CB53 top tab up to the frame.



- 5) Take a 5/16" x 3/4" bolt through slot in the AS02 and thread into the 99-022 pinch weld clamp.
Mount the CB53 channel onto AS02 with a 5/16" x 3/4" bolt and flange nuts. **Picture 5B**

1st Passenger Location



- 6) Place a 5/16" x 3/4" flange bolt through the top slots on the CB52 bracket top tab and thread a couple threads into 17-052 re-enforcement nut. Slide the 17-052 re-enforcement nut into slotted hole in frame. Snug up bolt so bracket is up against the bottom of the frame. **Picture 6**

Take a 5/16" x 3/4" bolt through slot on the AS02 thread into the 99-022 pinch weld clamp from out side. **Picture 6**

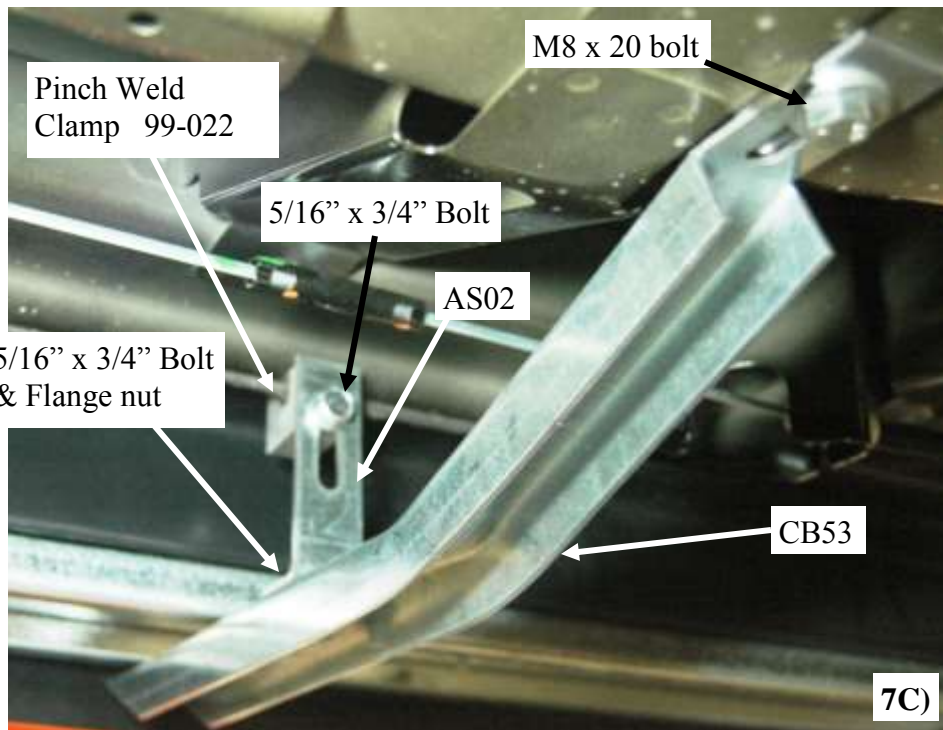
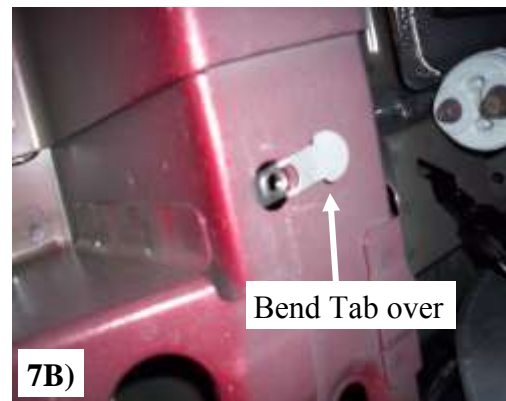
Mount the CB52 channel onto AS02 with a 5/16" x 3/4" bolt and flange nuts. **Picture 6**

Leave bolts loose for later adjustment.

Passenger 2nd Location

Instruction continued on next page

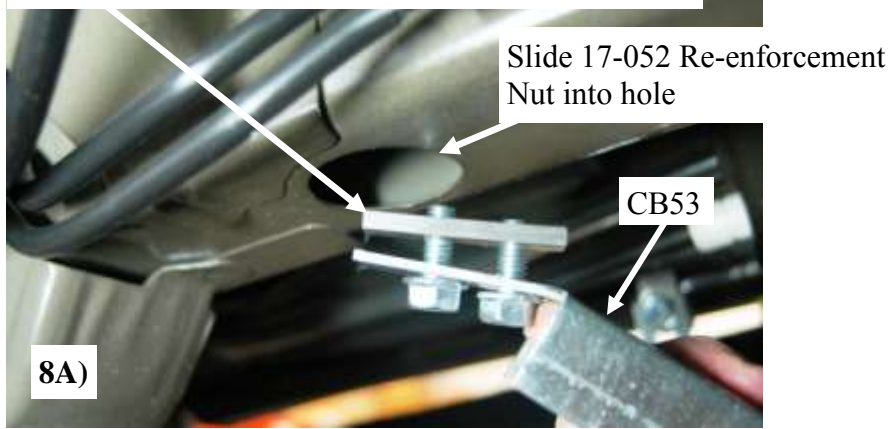
Passenger 2nd Location



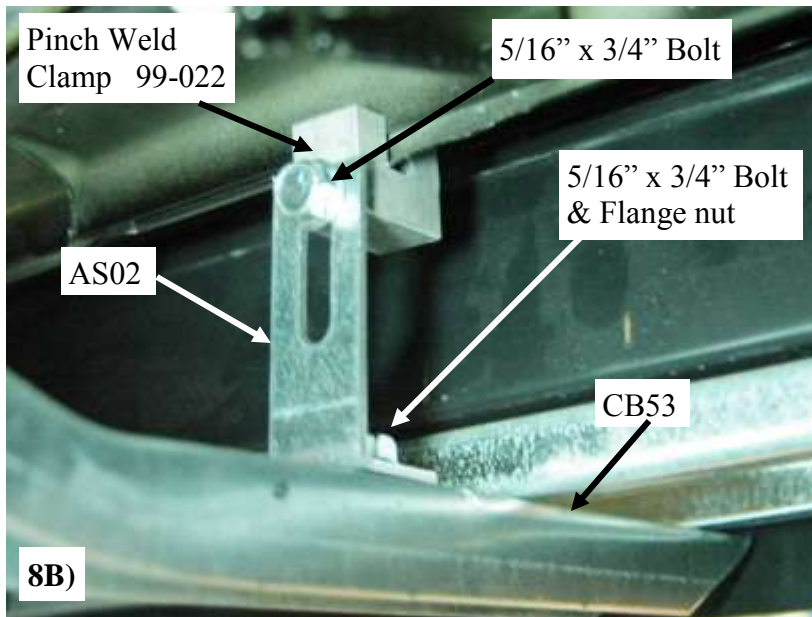
- 7) Install M8 in-pull nut into middle hole (37-1/4" location) as shown in **Picture 7A**. Be sure to hold onto steel tab, once placed into hole pull down and bend over tab as in **Picture 7B**. Now using channel CB53 insert M8 x 20 bolt with and flat washer through the top tab of the channel and carefully thread bolt into M8 in-pull nut as shown in **Picture 7C**. Take a 5/16" x 3/4" bolt through slot in the AS02 and thread into the 99-022 pinch weld clamp. Mount the CB53 channel onto AS02 with a 5/16" x 3/4" bolt and flange nuts. **Picture 7C**

Passenger 3rd Location

(2) 5/16" X 3/4" Bolt & 17-052 Re-enforcement Nut



- 8) Install two 5/16" flanged bolts and 17-052 re-enforcement nut into channel CB53 as in **Picture 8A**. Make sure to position the channel as far forward to the front of the vehicle in the hole. Hand tighten the two bolts once the 17-052 re-enforcement nut is slide up into hole to snug CB53 top tab up to the frame.



- 8) Take a 5/16" x 3/4" bolt through slot in the AS02 and thread into the 99-022 pinch weld clamp. Mount the CB53 channel onto AS02 with a 5/16" x 3/4" bolt and flange nuts. **Picture 8B**



- 9) Place the running board on the brackets and center board between the front and rear wheel well. Install the self tapping screws through the CB52 channel brackets on the front and CB53 on middle and rear position and into the galvanized steel plate on the under side of the board.

Level board and tighten any and all loose nuts and bolts on brackets both sides of vehicle.

