

## CATERPILLAR 65E – 95E HEADLINER INSTRUCTIONS

*\*\*Original Headliner needs to be saved for reuse\*\**

**\*\*Tools Required:** 4mm allen wrench, 11mm deep well socket and ratchet, 14mm socket and ratchet, small flat blade screwdriver, Philips screwdriver or Philips bit on cordless drill, utility knife, tin snips, dremel rotary tool, reciprocating saw or other cutting tool, side grinder with wire wheel, ear protection, eye protection, dust mask, gloves, silver permanent marker or other marking device, awl or small alignment punch, pliers, duct tape and extra person to help lift headliner.

Use 14mm socket and ratchet to remove bracket holding up sun visor and mirror.

Use 4mm allen wrench to remove 2 bolts in each rear post cover.

Use 4mm allen wrench to remove 3 bolts in rear metal rail above back window.

Remove 4 plastic nuts above sun visor by hand.

Underneath those 4 plastic nuts are 4 metal nuts; remove those with 11mm deep well socket and ratchet.

Use helper to hold up left side of headliner above door while loosening 3 bolts in metal rail above door with 4mm allen wrench.

**\*\*HEADLINER IS HEAVY!** It is now loose and should come down on left side. Right side is still held up by metal rail. Person sitting on seat can hold it up while 2<sup>nd</sup> person reaches above headliner and unplugs wiring harness from cab. There should be 2 harness plugs and radio antennae.

All speakers, lights, radio, storage compartment, etc..., stay in headliner for now.

Pull headliner towards door and it will come out of the right side rail. Have both people work it through the door. Tip front end down towards steering wheel, back end up at top of cab. Door needs to be open at least 45 inches to get headliner out.

Use small flat blade screwdriver to remove wiring harness connectors at all speakers, 2 lights, radio and display screen by radio. Use silver permanent marker to label and note wiring harness routing and where wiring is taped on.

Use Philips screwdriver to remove screws in speaker covers and remove all covers, speakers, screws, and screw clips off of headliner shell and save for reuse.

Use Philips screwdriver to remove right side light and save screws and screw clips from headliner shell for reuse.

Use small flat blade screwdriver to remove both parts of light cover on left hand side light and 3 Philips screws underneath. Save screw clips and screws for reuse.

Use Philips screwdriver to remove bezel that contains storage compartment, radio and display screen from front of headliner. Display screen may be held on from back side by metal bracket; remove thumb screws. Radio may be held in place by bent metal tabs; use pliers or screwdriver to remove.

**\*\*SAVE ORIGINAL HEADLINER SHELL!**

Cut original headliner shell with utility knife, tin snips, dremel rotary tool, reciprocating saw or other cutting tool as per photograph on right. Also, cut an additional 1" off around perimeter of speaker holes. Old vinyl should pull off by hand. Use a side grinder with wire wheel and eye, ear and lung protection to remove remains of all old foam from the front half of original headliner shell.



New headliner needs to be kept clean; recommended to be placed on clean cardboard and wash hands. Place front half of original shell into place on top of the new headliner. Install front bezel, with original hardware, containing radio, display screen and storage compartment back into new headliner opening and plug into wiring harness. This will hold 2 headliners together.

Install screw clips for 2 front speakers back onto new headliner. Plug wiring harness into front speakers and screw them into place through the new headliner.

Install 2 rear speakers, 2 lights and plug in wiring harness. Use duct tape to tape wiring harness into place as the original was. Make sure it does not cross above the front plastic support where it would get pinched against ROPS frame. New headliner should now be ready to install.

A helper is required for installation. Work it through door with front edge dropped down to steering wheel, back edge up at top of cab. One person sitting on seat should guide the right side into the metal rail above window. Second person needs to reach above headliner and connect 2 plugs in wiring harness and radio antennae into back of radio.

Lift the headliner into place and then open the storage compartment in the front of headliner. This should allow you to see the metal bracket with two threaded studs that need to fit through 2 holes in headliner. Get them maneuvered through opening and use 11mm deep well socket to get 2 nuts started, leave them loose for now. Get 2 studs on right side in place also. Right side is more difficult because you can't see above headliner. Once all 4 nuts are started, the metal side and rear rails can be started. Tighten everything up. Push upwards in center of headliner dome to stick magnets to roof of cab and replace 4 plastic nuts in front. Replace sun visor and mirror.