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Law W124 Headliner Replacement Photos

Juni Date: Jan 2006 Location: Northeast In Posts: 10,767

Page 1 of 3 1 2 3 > ♥

babymog o Loose Cannon - No Ball:

I spent the evening catching up on a little work on Brutus, a '95 E320 Sedan. Replaced the inner door penels, and realized that Dave (Sixto) has really raised the bar on DIYs. So the next project was to replace a sagging headliner, installed a factory-new auto-dimming mirror while in there, repaired the visor milds, installed the optional rear-sear tractional jamps, and removed the optional (Special Edition) phone overhead display module.

This is for the later (bonded) headliner, starting in '90 I believe. The early one is a bit different, but less prone to sagging.

Pardon me if I don't know how to integrate text with photos, I'll do my best.

First step is to open the sunroof half-way. Then carefully tug downward on the front edge of the inner-panel of the sunroof (don't pull carelessly and bend it), there are four "christmas tree" clips holding it to the sunroof steel panel.

Once un-clipped, you can slide the inner panel forward. Open the sunroof the rest of the way, slide the inner panel forward until you can slide it up and out of the opening. (first two photos)





ed by hahymon: 03-29-2009 at 12:01 AM

Quote

View Photos By: babymog

Next, you'll be removing the front header panel.

ext open the little door on the clip (hinge is toward you), I use a knife blade to slide in and open it. Remove the screw and clip (first photo).

Next is the light assembly, there are two metal clips on the right side, press them toward the light with a thin-blade screedwive (2nd pic.). Swing the right side downward and out. You will now need to un-plug two larger plugs, one rubber hose, and a small 2-pin plug. Be careful with the hose and the two-pin plug so

Grab the rear-view mirror with both hands, and give it a firm but controlled shove toward the windshield. It should pop loose from the bracket

Next, remove the three screws holding the mirror bracket (3rd pic).

e the six screws holding the bright aluminum strip in the front edge of the sunroof opening (4th pic).

Pull the inner weatherstrip (felt looking one) down in the front doorways, from the middle of the A pillar up, and around the rear of the openings. Be careful where it tucks into the door sill-plate as the plastic plates are rediculously easy to damage, ... pull out, not up at the end of the plate (5th pic, showing the Specia Edition plate though, not the regular plastic one).











ted by babymog; 03-29-2009 at 12:00 AM.

Quote

Join Date: Jan 2006 Location: Northeast Indian Posts: 10,767

ext step is to pull the header rearward and upward, to free the clip that is inserted into the top of the A-pillar. I've removed the A-pillar before to make this easier, but more than half the time at least one of the clips in the A-pillar will break, I've found this easier. Slide the end of the header panel upward and and until it pops out of the A-pillar trinin, it helps to push the A-pillar trinin faightly away from the A-pillar will be fa

Now remove the four passenger-assist handles. The bezels on the ends are clipped in top and bottom, pop them free and you will find the bolts under the free flap of vinyl (second pic).

ou are now finished in the front of the car, move both seats fully forward and move to the rear.





Quote

babymog o

Juin Date: Jan 2006 Location: Northeast In Posts: 10,767

Start at the bottom, there are two phillips screws to remove (pic 1).

Next remove the inner weather-strip by pulling inward, from the front of the sill-plate around to about mid-seatback.

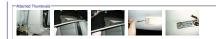
The 8-pillar trim has two clips half-way up, pop them free. The upper end of the 8-pillar trim is held by a single clip, released by carefully pushing the trim downward and pulling the top of the trim away from the 8-pillar. Do this carefully with the later (plastic) trim piece or you'll break the plastic holding the clip. Play out some seatbelt and lay the trim down toward the center of the car, crossing the two pieces on the floor (left and right piece).

Next comes the C-pillar trim or "sail panels". These are tricky, three clips along the front edge. I started at the top. Push the front edge rearward to release the hook of the clip and pull away from the C-pillar, one clip at a time and gently. These are easy to break so don't force it away from the car, push rearward until each clip releases (pic 2).

Once all three of these clips are free, you can slide the panel forward until the rear (metal) clip releases (pic 3) and the panel can be pulled away from the C-pillar as you slide it the rest of the way out of the seatback

Now remove the rear overhead light. Slide a thin-blade screwdriver into the (car's right) right side of the lamp assembly, pressing inward to release the clip and swing it down and out (pic 4). Unplug and remove.

Above the light assembly there is a bracket with a single screw, remove the screw (pic 5).





Last edited by babymog; 03-29-2009 at 09:07 PM.

Quote

Join Date: Jan 2006 Location: Northeast I Posts: 10,767



babymog. o Loose Cannon - No Ball

Next there is another plate below the one you just removed, again different left and right, should just slide forward and out (pic 3).

The last step in freeing the headliner, if it hasn't fallen free already, is to slide forward the rear edge of the sunroof opening. There is an aluminum extrusion that is clipped to the rear of the sunroof opening, sometimes the glue releases and it is a separate p

To remove the headliner from the car, recline both seatbacks fully. Open both rear doors. Rotate the rear edge of the headliner out of one rear door, which should allow one front tip to clear the other rear doorway. With the one front tip out of the rear doorway, move the headliner forward and rotate the rear of the headliner out of the same doorway, youll it out of the car. You should not not need to bend the headliner AT ALL to obtain it, you will likely write learning it, you will likely write head in the your headliner. It is not necessary.





Quote

babymog. o Loose Cannon - No Ball:

Join Date: Jan 2006 Location: Northeast Ind Posts: 10,767

This is a photo of the headliner sagging. Southern cars have great steel, but the heat takes its toll on other parts (pics 3&4).



BLUETEC

Quote

babymog. o Loose Cannon - No Balls

Join Date: Jan 2006 Location: Northeast In Posts: 10,767

fotal time was around 4-1/2 hours. This included some "while I'm in there" projects such as running to the shop to get a rear reading lamp harness so that I could install the rear-seat reading lamps (pic 1).

A new front header panel with center visor instead of the optional phone control/display/microphone module. Trimming the new panel to accept the auto-dimming mirror mount plate (with wire hole). (pic 2).

Going through boxes in the basement to find my last remaining auto-dimming mirror and wire harness (pic 3, 4, & 5).





Quote



More photos of the auto-dimming mirror install, wiring fed through header steel (pic 1).

Wiring plugged into light wiring harness (basically a pass-through harness with ground and IGN tapped out) (pic 2).

As this mirror was my first design project on the 124 chassis, and already defined (I started in the middle of this project), I prefer my later re-design using the E-38 mirror head shape on a 22mm ball 124 mirror mount (pics 384) which I have installed in Nero. Brutus will have to be happy with the earlier auto-diminror.







ell done Jeff! If I might add for the early stretched / not glued to molded board version

Here is the bar in headliner channel that you need to pry out of the hole in the roof.
 The sides and rear have a sewn in seal that bucks over the metal edge.
 The sides and rear have a sewn in seal that bucks over the metal edge.
 There are several ways to include the sides that way is to compress the ball detent ends with channel lock pilers and insert coat hangers as shown. When the mirror but found the easiers they to compress the ball detent ends with channel lock pilers and insert coat hangers as shown. When the mirror but found the easiers they are the detents into the bracket.

Quote

Join Date: Jun 2003 Location: Willow Glen Posts: 299

fell me more about the mirror upgrade. 88 300TE, 175k, black RENNTech 3.6L Recaro C's AMG 1 SOLD 92 500E, 110k, Spruse green, stock SOLD 94 E320 Carbioth, 130k, E500 wheels, Emerald green SOLD 98 300TE, 229k, dark grey, SOLD 93 300CE, 212k, white, new paint, SOLD 91 300CE, 212k, white, new paint, SOLD 91 300E, 209k, white, rebuilt head SOLD 79 149 14-6, grey, 2-7.3 235hp kmt utrob Audi conversion Quote Ivbizbroker o Is there enough clearance between the headliner and the body to add some radiant barrier heat insulation or DynaMat sound deadening material. It doesn't look very well insulated behind the headliner Quote Join Date: Oct 2004 Location: Grand Rapids, MI Posts: 15,353 pawoSD o Dieselsüchtiger View Photos By: pawoSD ow....that is a lot of work! 🎡 Looks great though! -diesel is not just a fuel, its a way of life (15 GLX250 Bluetec 93k - mine - (OC-97,400) (17 Metrisy(IT0)) - 19k - wifes (OC-25k) (OC-25k Quote Join Date: Jan 2006 Location: Northeast Indian Posts: 10,767 babymog o Loose Cannon - No Balls red that, being a dark color, but I'm currently in Michigan so it's not a big deal (use the sunroof far more than the A/C) It seemed like there are many pockets in which to put perhaps 1/4\* to 1/2\* heat barrier. The down-side would be that the roof steel would get hotter when parked, not able to dissipate any heat down, probably not an issue as it works okay on the hood. Find a really good high-heat adheasivel Originally Posted by Ivbizbroker In Institute BLUETEC Quote babymog o Loose Cannon - No Balls View Photos By: ba hanks, well worth it IMO. Originally Posted by **pawoSD**Wow....that is a lot of work! 
Career Looks great though! BLUETEC 1eff Quote Join Date: Jan 2006 Location: Northeast Indian Posts: 10,767 babymog o Loose Cannon - No Balls I like your hanger method on the mirror install. When we first designed the mirror, I was installing them on cars for prototype/testing and for photos. My method was a simple one (for an Engineer anyway):

I put the right side of the mirror mount into position. Sitting in the driver's seat (front edge), I put my right palm up and against the flat of the mount (left side), pushing upward with my right arm. With my open left hand, I give a hammer-hit upward on my right elbow to pop the mount home Stretched headliner: The front tips, B-pillar, and C-pillar areas are attached by christmas-tree clips into the steel. The door openings are easy to remove also, plastic clip-edge just pulls away. The bows/bars aren't too difficult to remove once you get your hand in there. Biggest problems I had with the stretched versions were: Avoid tearing around the sunroof opening, big stress at the rear corners / easy to tear (did that) Rear window opening, I believe that you need to remove the rear window to get it un-hooked from the body steel. I sent a car to the crusher with the headliner hanging only from the rear-window opening, just wasn't worth it to me to pull the window for a spare headliner (should have). The mirror upgrade: I've never seen one on a US car. It was an option in the '90s, I don't remember when it started. I have seen them in cars in England, but not in the US. My '94s don't have the cut-out mount plate, the '95 does, not sure why. It is an electrochromic mirror, like most new ones (Gentex), variable dimming with photoccils front and rear to compare light through the glass (including dimming feedback) to the ambient light from the front sensor. The circuit board has drive output for outside EC (auto-dimming) mirrors also IIRC, but it was neve offered on the 124 chassis. I have some R129 outside EC mirrors I had intended to modify for my '91 (sold in '96 though), never did it. Maybe now. The mirror circuit also has a "reverse override" feature built in that will clear the mirror for backing up regardless of light conditions (+12v signal), but Mercedes didn't it on the 124s.

It is an electrochromic mirror, like most new ones. The circuit board has drive output for outside EC (auto-dimming) mirrors also IIRC, but it was never offered on the 12v clear of the circuit board has drive output for outside EC (auto-dimming) mirrors also IIRC, but it was never offered on the 12v clear of the 12v cl I don't know where you'd find one used, but GB/England seems like the place I've seen them, perhaps DE/Germany also. Be especially careful of buying one from a wreck, direct impact wouldn't do good things and could breach the seal / let the EC fluid leak out. If the mirror looks gold, it's probably still functional but showing its age / UV exposure. If you can see a line through it (bubble / waterline type thing) it has probably started to leak. The fluid is what darkens, if it's leaking it's junk. Competitive mirrors from Donnelly (Land Rover et al) had (in my experience) much bigger problems with seals failing, very difficult to find a good used on green from Land Rover when mine leaked. An wave, that is the not better in the not the condition of the problems with seals failing, very difficult to find a good used on green from Land Rover when mine leaked. An wave, that is the not better in Land Rover et al) had (in my experience) much bigger problems with seals failing, very difficult to find a good used one for my Land Rover when mine leaked. An wave, that is the not better in Land Rover et al) had (in my experience) much bigger problems with seals failing, very difficult to find a good used one for my Land Rover when mine leaked. An wave, that is the not the condition of th Wiring is simple: Ign +12 and ground will turn it on. There is IGN and GND in the dome light / seatbelt warning circuit. Originally Posted by **pifcat2** Well done Jeff! If I might add for the early stretched / not glued to molded board version: Here is the bar in headliner channel that you need to pry out of the hole in the roof.
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Pavka007 
Alba Gu Bràth

Quote

I would like just to say THANK YOU.

Fantastic, article. After reading very carefully I was able to replace my headliner (E420) for 1.40 hour.

Fantastic, article. After reading very carefully I was able to replace my headliner (E420) for 1.40 hour.

I have the new material ready (E410.00) form a local custom interior shop) Cut and glue; 30 min (drying 3 hours) and everything back in the car for 35 min.

First I went to 4 different interior shops. The cheapest quote was \$349.00, the most outrages one was \$905.00. They told me that is "A lot of work, it will take about 7 hours". The local Mercodes Dealer quoted me \$75.00. with the new Mercodes headliner.

What can I say... Thanks for the people like you out there.

Hy bable looks as good as new. The color of the new one is exactly the same as the original, so there is no difference at all...... wait... there is. I HAVE around \$330 in my pocket thanks to you.

The property of the propert

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