

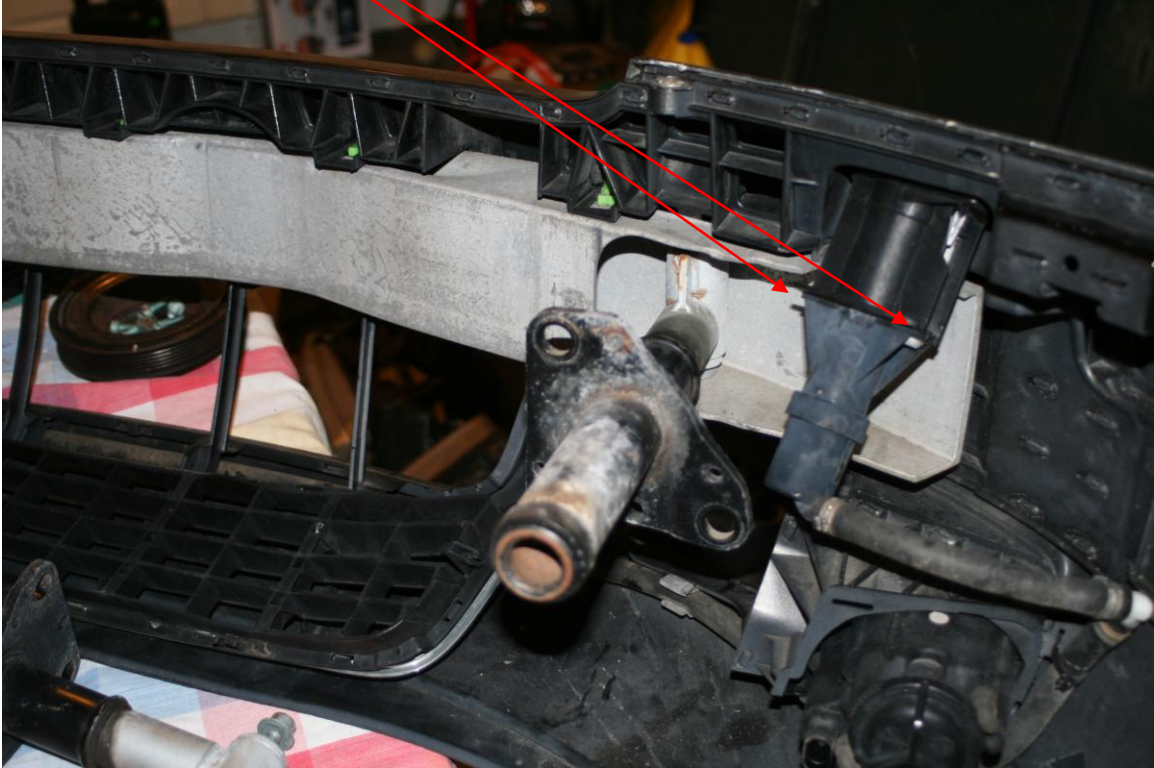
This procedure was done on a 2000 Audi A6 4.2 L. The bumper was removed to perform the timing belt maintenance. Disassembly of the bumper and bumper cover was performed due to a broken reinforcement bracket in the bumper, (which we replaced). If your plan is to replace either of the headlight washer assemblies, I would recommend removing the entire bumper assembly as it can be done in less than an hour with two people. You might be able to get it off with one person, but it's nice to have a second pair of hands when pulling the bumper off the fenders on each side. If you are just removing the headlight washer covers, you can leave the bumper on. To extend the washers, turn on the washer system, when the washer extracts, grab it and hold the stem while you remove the coverplate. See section 3 for removing the coverplate. If you can not get the washer assemblies to extend with water pressure from the pump, you may be able to pry the cover assembly up, being careful not to scratch the coverplate or the bumper. I tried this and found that it was very easy to scratch both. Depending on the model of the A6, you may have difficulty getting at the two screws holding the washer assemblies on the bumper. Pulling the bumper makes everything easier; you just have to be ready to spend an hour off and an hour on with the bumper.

This is the disassembly/reassembly procedure with the bumper removed from the car:

Here's the bumper removed with the reinforcement still in place, and one of the shock supports still attached. The two headlight washers are still installed in the bumper.



The washers are held on the bumper with two screws and a bracket. The assembly is spring loaded, so it won't come apart with the two screws removed.

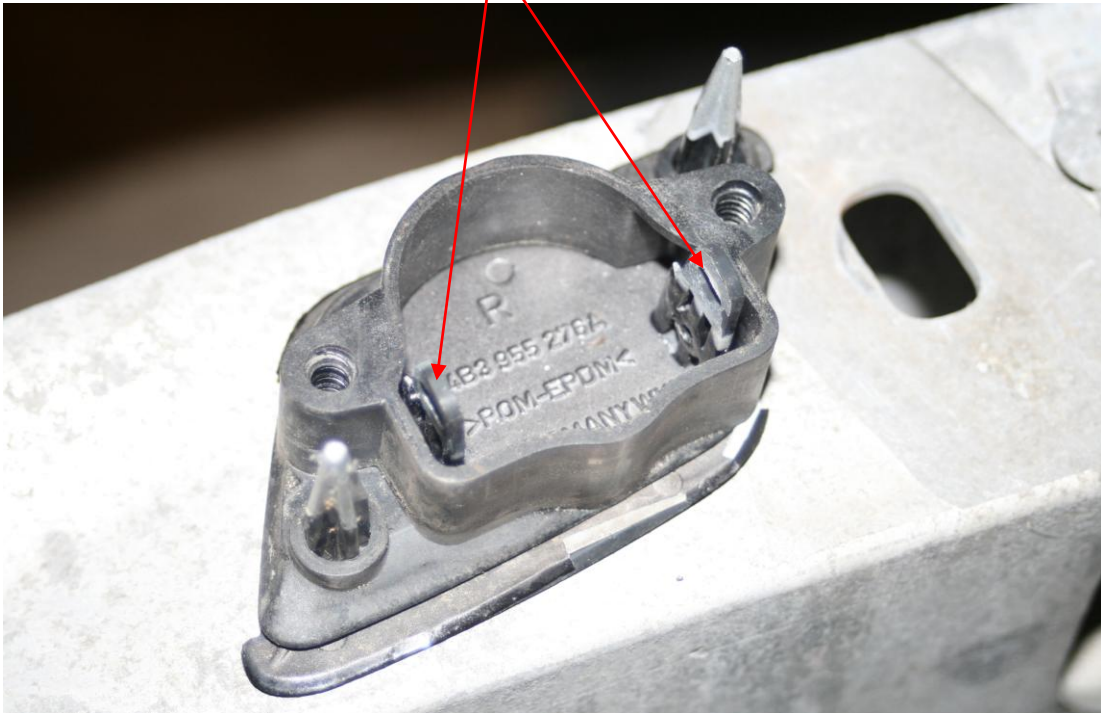


With the two screws removed, the assembly is now loose on the bumper, but the spring tension is holding it together. Pull down on the assembly and the spring will compress. The center bracket should now be loose. While holding tension on the assembly, and the center bracket loose, pull the center bracket down off of the bumper. Now rotate the center bracket 180 degrees. This will effectively "shorten the assembly, (the center bracket has a recess on it's back side). With the assembly shortened, the spring tension is gone. Push the assembly up, and the spray nozzle and cover section will be visible and loose on the bumper. There are two clips on either side of the coverplate. Gently pry each clip outward, (they are like ears). The coverplate should now come off.

CLIPS



Here's what the coverplate looks like removed: CLIPS



Here's the assembly, off of the bumper, with the center bracket turned 180 degrees to release the tension in the spring and the coverplate removed:



Re-installing each assembly is fairly simple. With the center bracket turned 180 degrees, and down, (tension off of the spring), as in the picture above, place the assembly into position in the hole in the bumper. Install the coverplate; it only fits on in one direction. Make sure both of the tabs are engaged on the small axles on either side of the spray head. Move the assembly around until the coverplate fits into the bumper hole properly, (the two alignment pins will fit into the bumper). With the assembly in position, pull down on the back of the assembly, extending the internal spring. Rotate the center bracket back into proper orientation and align with the coverplate. Install the two screws on either side of the assembly. Job complete.

