

3.0 V6 Fan Bracket replacement Write-up

This is a write-up to replace a fan bracket on a 1991 Toyota Pickup 3.0 v6.

First thing you want to do for this is remove the battery and move the air intake out of the way. Makes life easier.

Then, you want to drain the coolant until the level goes below the upper radiator hose.

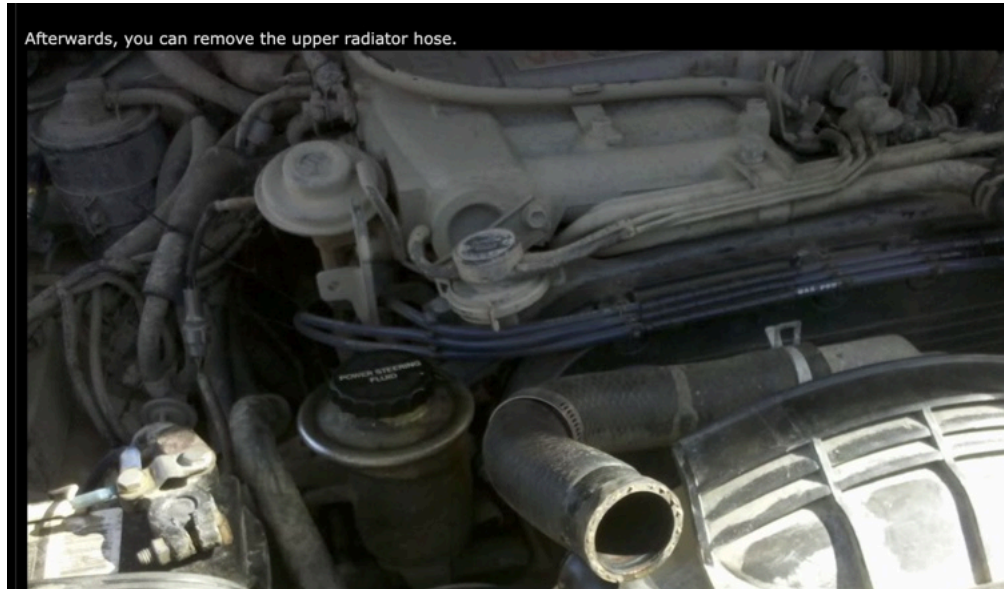
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Use the drain plug, it might get messy.



Afterwards, you can remove the upper radiator hose.



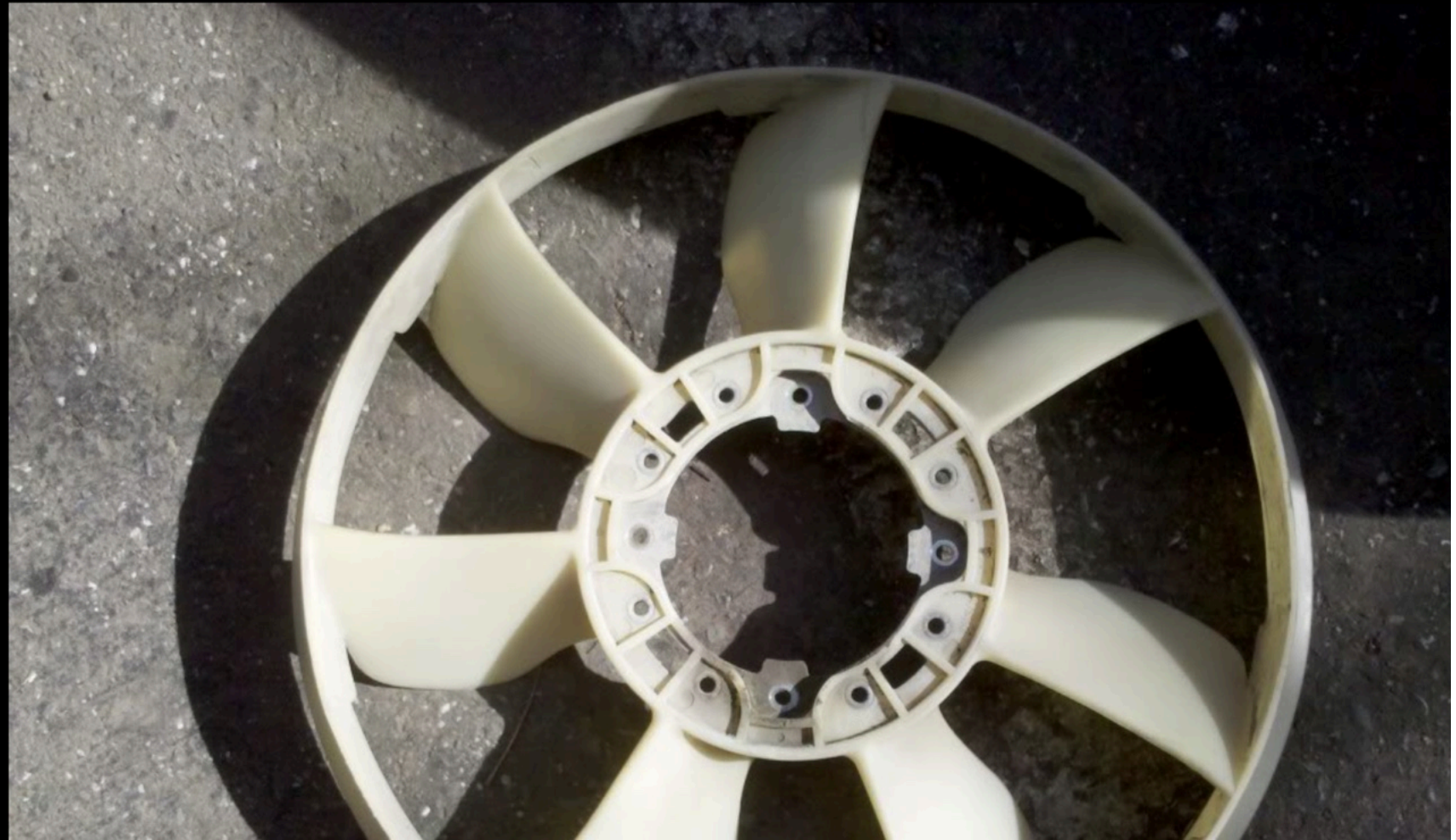
The fan shroud has 2 clips, you want to remove them to get the bottom half out of the way to remove the rest of the shroud.



The whole shroud is held on by 4 10mm bolts. Remove them, and take off the shroud.



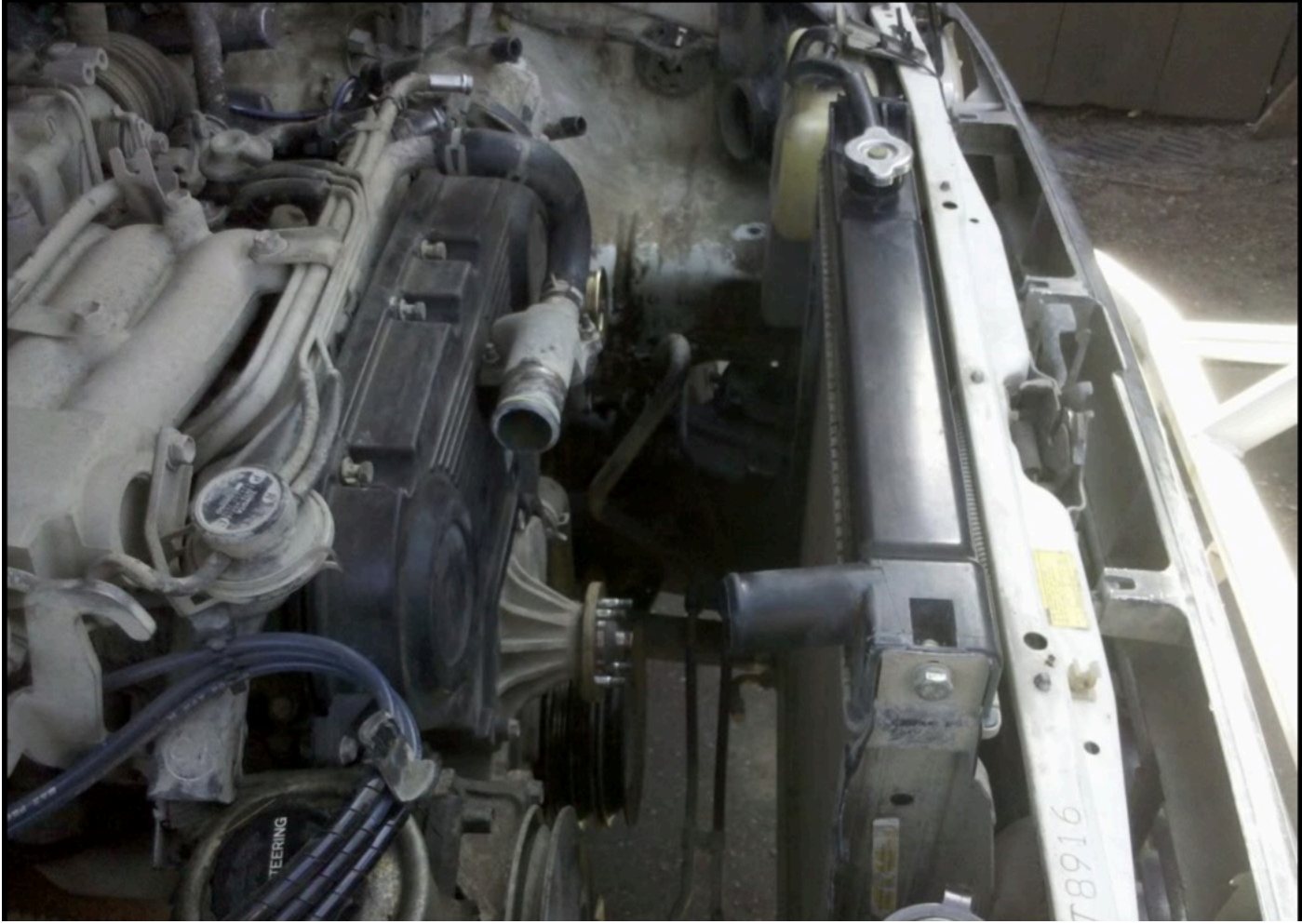
Then you can remove the cooling fan that's held on by 4 10mm nuts.





Now you can remove the fan clutch. It's easier to do it when there are belts holding the pulley from spinning, but you can do it with 2 12mm wrenches. Just use 1 wrench to hold one nut and loosen another nut with the other wrench. Once they are broken loose, they are much easier to get off.

It's a good idea now to remove the accessory belts and also move the spark plugs out of the way from the timing cover. It's always a good idea to take a picture of where the spark plugs go to the distributor. If I didn't check mine, I would've had problems.



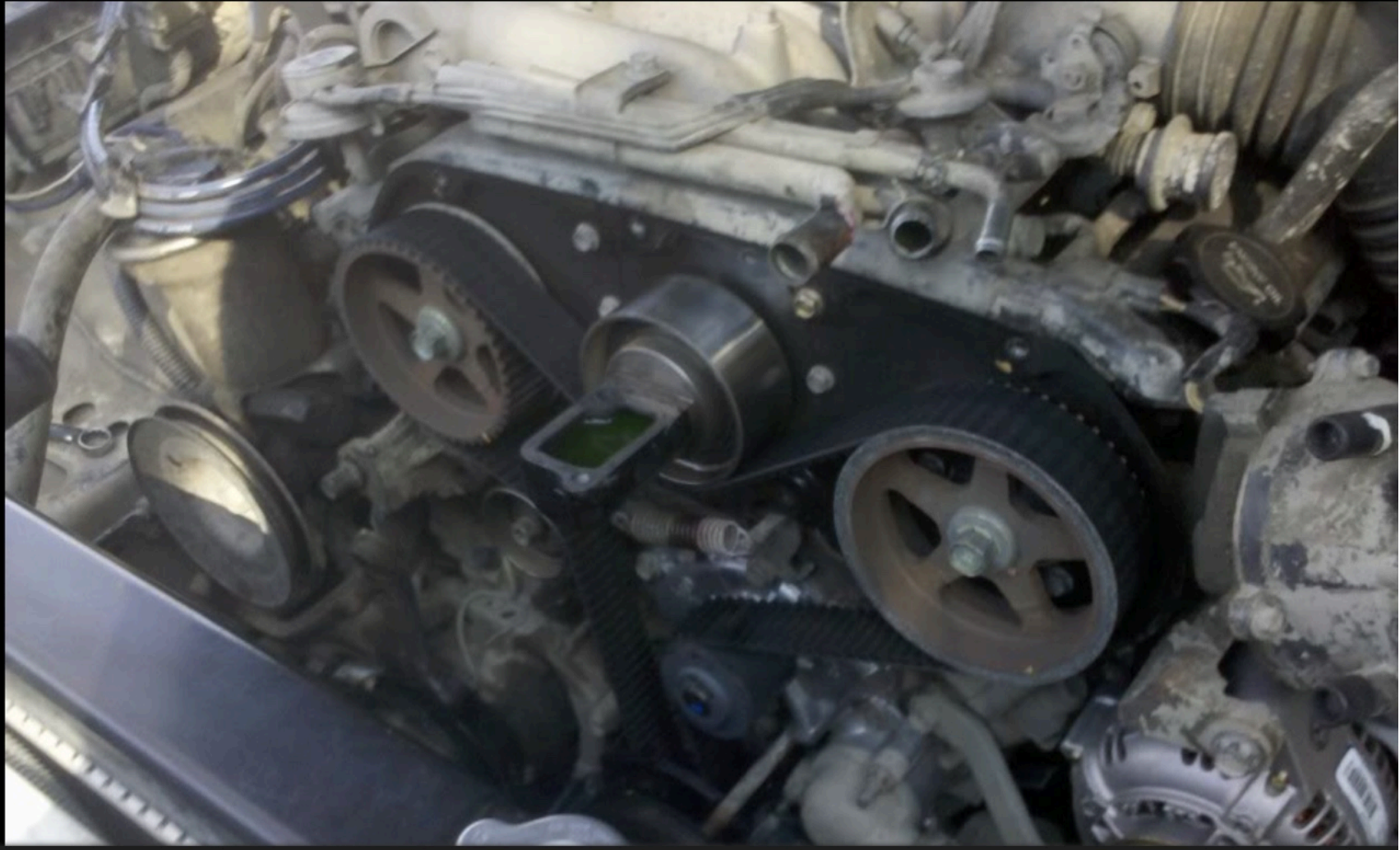
Now you want to remove the coolant inlet so you can remove the timing belt cover. You can loosen the 2 10mm nuts, and use both of them to remove the stud. My studs were really hard to get out, but the easiest way for me was to put the closed end of my wrench on the bottom nut, then hold the top nut with a 2nd wrench tightened against the bottom to prevent it from spinning without the stud. Slowly, but steadily it should come out.

The timing belt cover is held on by 11 bolts. Easy to get too. Remove the cover.



You can see the fan bracket now, but you still have to get the power steering bracket out of the way. Removed the adjusting bolt and then I just removed the 2 bolts, one holding the fan bracket and the one above it, and moved it out of the way just enough to get the fan bracket out.

Then remove rest of the fasteners holding the fan bracket, which should be 2 bolts and one nut, and slide the fan bracket out.



I don't have a hydraulic tensioner on mine. One less thing to worry about.

Installation is reverse of removal pretty much. The torque spec for the fasteners holding the fan bracket is 41 N-m. I lock-tightened everything holding the fan bracket with high-temp lock tight. Also, you have to reseal the coolant inlet, I used RTV and gave it a day to cure. No leaks so far, which is great because I usually have bad luck with that stuff.

