

Two Men One Garage

02 – 08 Ram Forward/Backward Gear Replacement



1. Disconnect the black plug from the motor. Remove both ¼ head screws from For/Back motor.



2. This side of the motor and both tube ends have heat shrink securing the tube to each respective end. You do not have to detach this ends. Leave them attached. You can pull the tube out of the end of motor shown in step one.



3. Remove both rubber tube holder clips. Be careful not to break off the clip fingers. Leave the rubber tubes attached to each clip



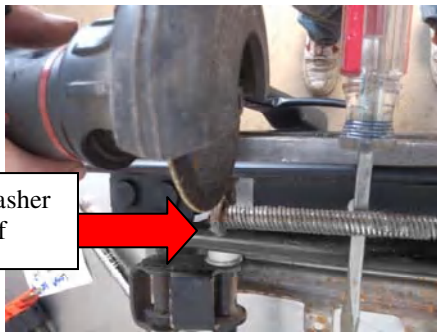
4. The motor and tubes should look like this after removal.



5. Remove the T50 torx head bolts. Mark each slide and the track to remember which end goes to the front of the track and what slide is for the left and right side. Remove the slides. If they won't come off in one direction, slide them off the other way.



6. Clean the slides off all dirt and debris.



Cut washer end off

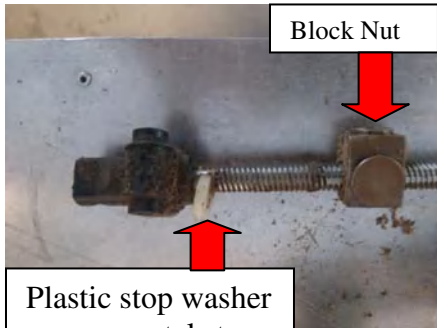
7. Cut the washer end of the shaft off and unscrew the block nut from each shaft.



8. Use a small drive punch and drive the roll pin towards the center. Once removed, lift the gear/shaft out of the metal strap(one side only) and frame.



Metal strap on one side only



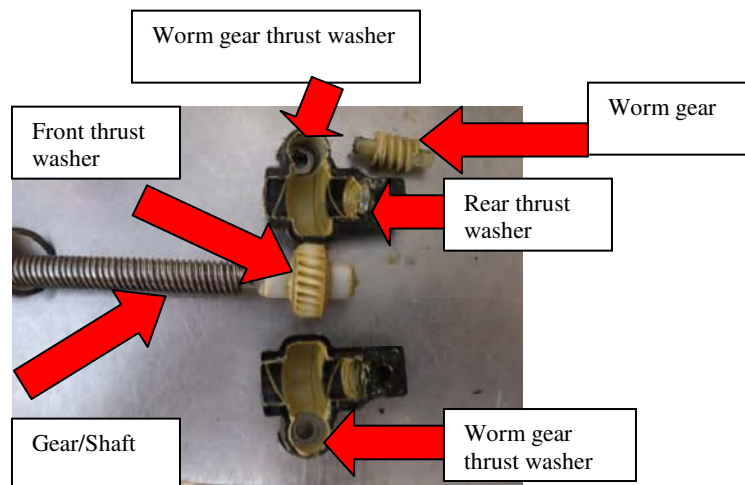
Plastic stop washer on non-metal strap side only

9. Carefully snap off the plastic washer stop. It must be reused.



10. Carefully pry the locking rings off each side the gear casing. These rings must be reused.

11. Separate the gear casing. Remove the bad gear/shaft and reassemble with the new one. Everything is reused except the shaft/gear and small plastic worm gear. Use white lithium grease for reassembly. Do not use bearing grease; it will break down the plastic gear.

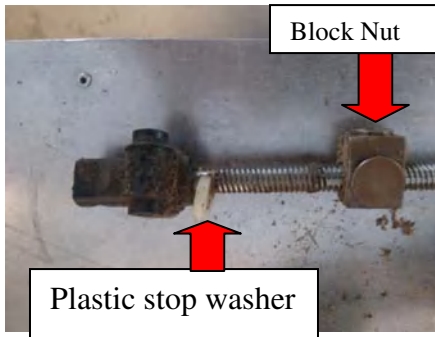


12. Slide the locking rings onto each side the gear casing. Note the inner raised edge points away from the center housing.



13. Use a 1/2 drive 13/16 deep well socket and gently drive the ring back onto the gear casing.

14. Slide the gear casing back through the metal strap(one side only) and insert the assembly into the channel. Drive the 1/4 pin back which you removed in step 8, into the channel and through the gear casing. Make sure the pin is centered in the metal channel.



15. Snap the plastic stop washer back onto the shaft next to the gear case. Screw the block nut back onto the shaft.



16. Install the plastic washer, metal washer and external snap ring onto the shaft.



17. Measure from the gear casing to the block. Adjust both sides to the same measurement using the same points. The gear case can be manual turned by using one of the flexible drive shafts.



18. Reinstall the floor slides back onto the seat track. Use your markings from step 5 to get each slide onto the correct side and pointing the correct direction. Reinstall the torx head bolts.



19. Attach the tube clips back onto each gear casing. Make sure the flexible shafts are fully seated into the worm gear

20. If both shafts are fully seated, the bolt holes in the motor will line up with the mounting bracket easily. Tighten the motor up to the bracket with the 1/4 screws you took out. Plug the electrical connector back into the motor.

21. Call me if you have any questions.

Cell: 912 667 4198