

# Two Men One Garage

## 1995 – 1997 Ram Forward/Backward Gear Replacement



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



2. Pull the motor out and away from the bracket to disengage the flexible drive shafts. Remove both black rubber tubes and flexible drive shafts.

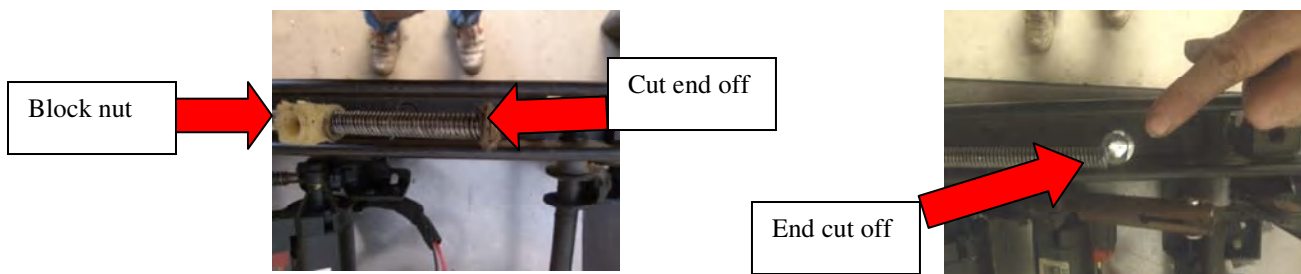


3. Remove both rubber tube holder clips. Be careful not to break off the clip fingers.



4. 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.

5. Slide the floor rail off the track assembly. Take note what side each slide came off of.



6. Cut the washer end of the shaft off and unscrew the block nut from each shaft. Notice that one side is metal, the other is plastic. Mark each block for the appropriate side it came from.

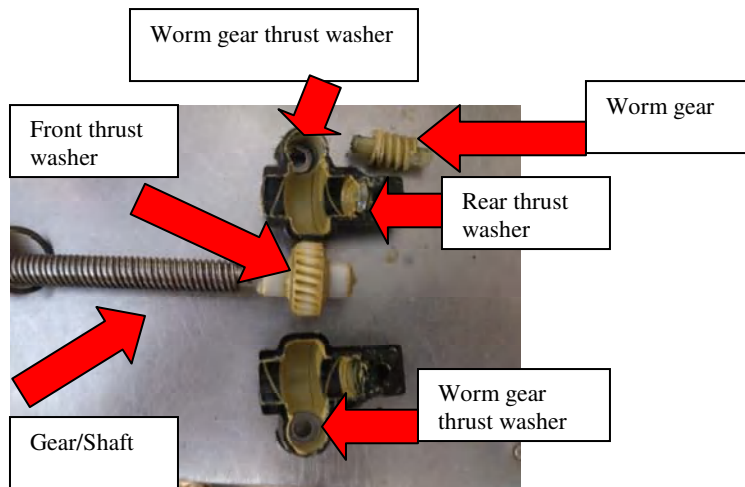


7. Use a small drive pin and drive the roll pin towards the center. You don't have to take it all the way out. If it is easier to drive the pin opposite direction than shown, that is ok. Once removed, lift the gear/shaft out of the frame.



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

9. 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.



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



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



12. Drive the roll pin back into the gear casing. Using various drive pins and screwdrivers might be needed.

13. Screw the block back onto the shaft. Install the plastic washer, metal washer and external snap ring onto the shaft.





14. Measure from the gear casing to the block. Adjust both sides to the same measurement using the same points. Another method is to screw the block all the way up against the roll pin in the tip of the shaft. The holes in the tip of each shaft are approximately the same distance.



15. 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. Do not over tighten the one in the plastic block, it could strip out.



16. Attach the tube clips back onto each gear casing.



17. Reinstall the black rubber tubes into each clip. Grease each shaft with white lithium and reinsert into the gear casing. Make sure the drive shaft engages into the worm gear. Rotate it by hand back and forth to check engagement.



18. Slide the motor onto one drive shaft. Ensure it engages onto the shaft. Pull the motor and other shaft outward to engage the shaft into the motor. If all ends are engaged, the motor will not have any binding to it and will line up with the mounting holes nicely.



19. Install the 1/4 head screws into the motor. Do not over tighten them. Connect the red plug into the motor.

20. Call me if you have any questions.

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