

Transfer Case Replacement

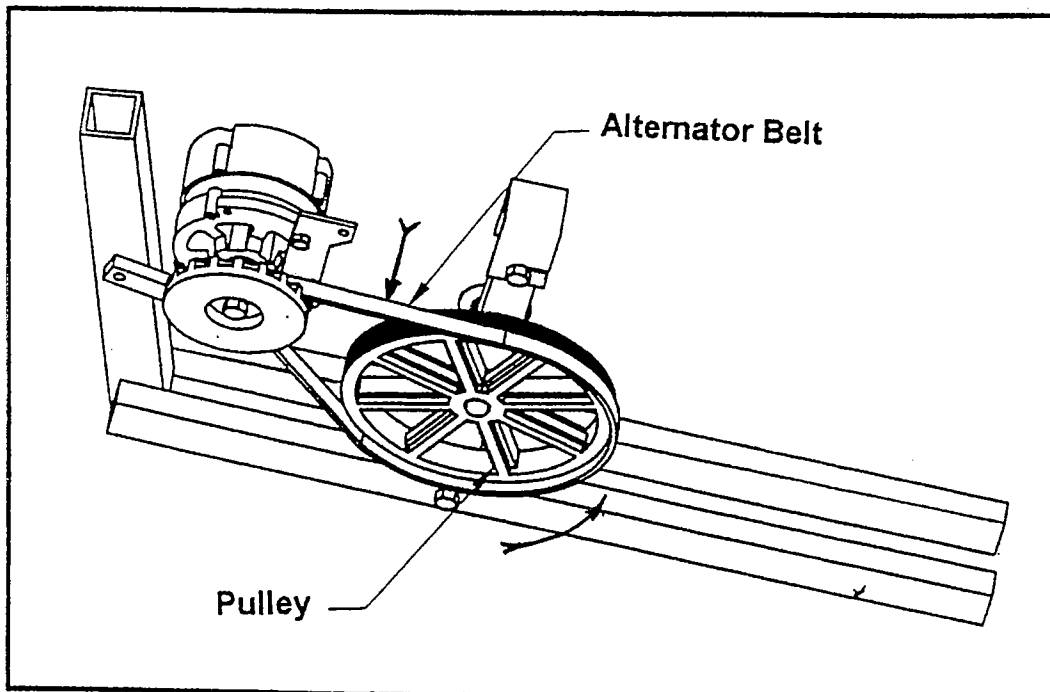
Tools:

- 1/16 Allen Wrench
- 9/16 Socket
- 9/16 Open End Wrench
- Rubber Mallet/Hammer
- Retaining Clip Tool or small flat head screwdriver and needlenose pliers

Time Required: 20 minutes

Procedure: Remove transfer case.

1. Remove screws from the bike shroud using the 1/16 allen wrench. Set the shroud and screws aside.
2. Remove the alternator belt by gently pushing it off of the 9/12" pulley. (See Diagram A)
3. Loosen the top nut on transfer case. (See Diagram B)
4. Remove the drive belt by slipping it off of the crank pulley and transfer case pulley. (See Diagram C)
5. Remove the 91/2" pulley by removing the c-ring retaining clip. Use the retaining clip tool or the small flat head screw driver and needlenose pliers.



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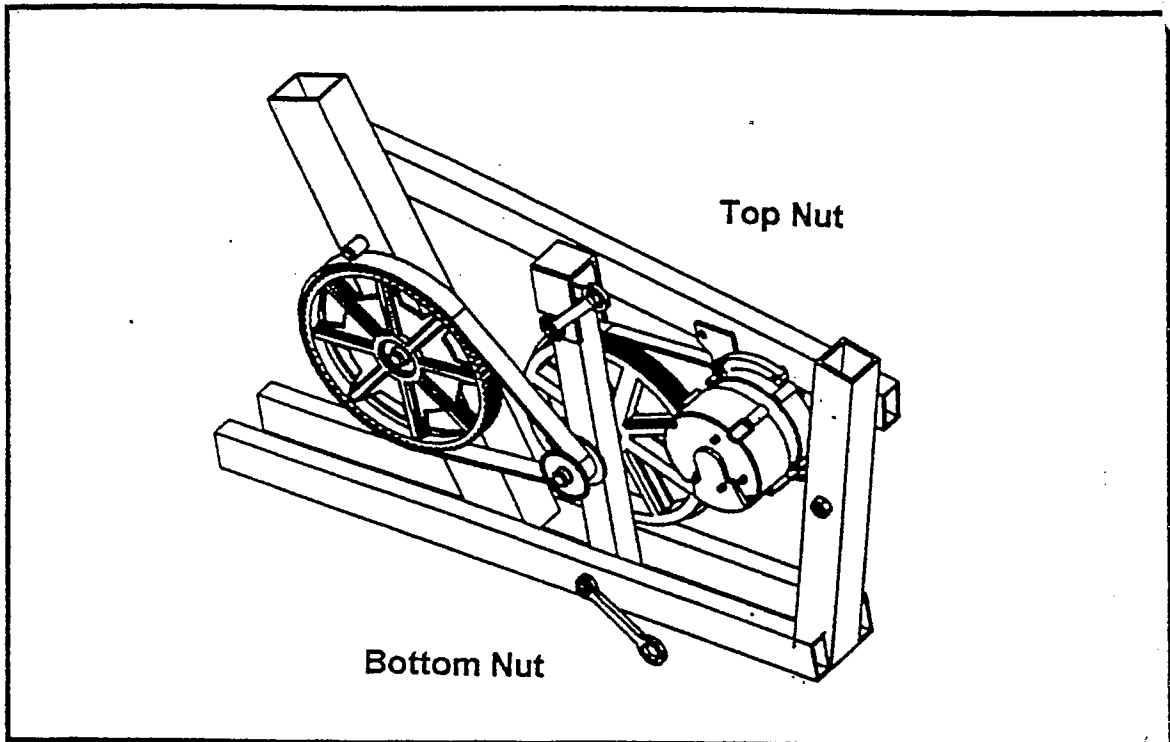


Diagram B

6. Loosen the bottom nut on the transfer case and remove both the top and bottom bolts, washers and nuts. (See Diagram B)
7. Remove the transfer case.

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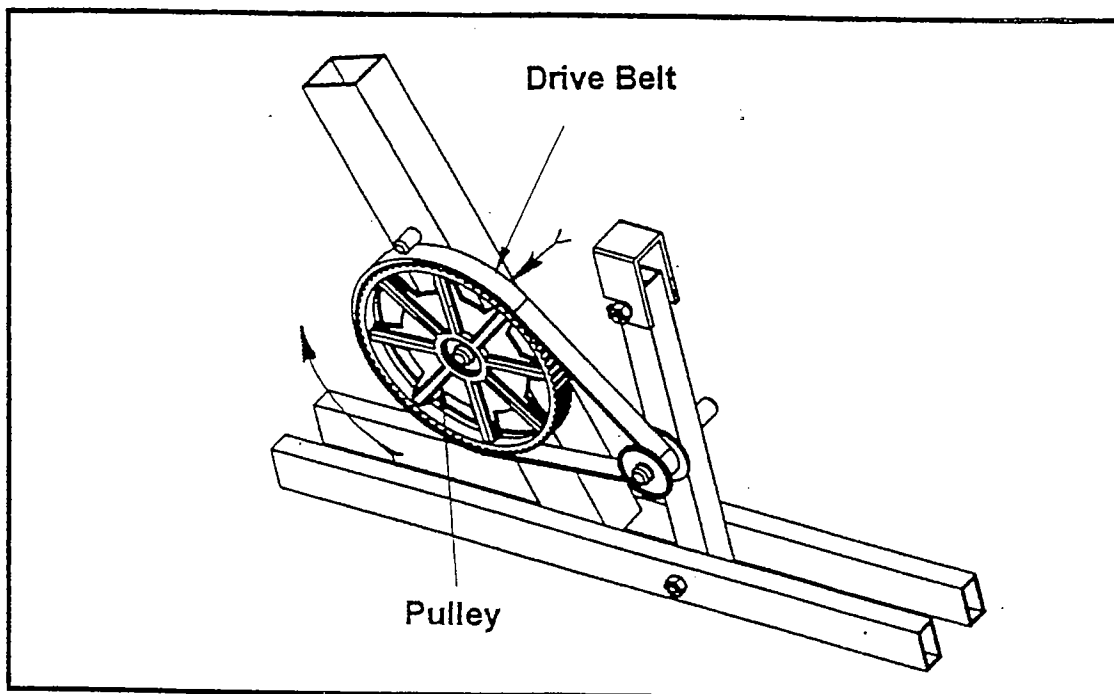


Diagram C

8. Place the new transfer case into place. The crank pulley should be facing towards the right side.
9. Replace the transfer case bolts. The long bolt goes on the bottom and the small bolt on the top. Slide the drive belt back on pulleys.
10. Tighten the bottom bolt on the transfer case first with the 9/16 open-end wrench.
11. Tighten the top bolt again until finger tight to allow for proper tensioning.
12. Using a rubber mallet or hammer tap the top end of the transfer case to tighten the drive belt. Proper tension should be 85 lbs +/- 5 lbs.
13. When proper tension is achieved tighten top bolt completely with the 9/16 open-end wrench.
14. Check the alignment of the belt to pulleys. Adjust the transfer case pulley by loosening the set screws on the transfer case pulley. When proper alignment is obtained re-tighten the set screws.

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15. Replace the 91/2" pulley on the transfer case. Put the flush side of pulley against the transfer case. The recessed side out for the c-ring retainer clip.
16. Replace the retaining clip on the shaft to hold pulley in place. Make sure the pulley moves when you turn the crank.
17. Walk the alternator belt back on the pulleys.
18. Replace shroud and screws using the 1/26 allen key.