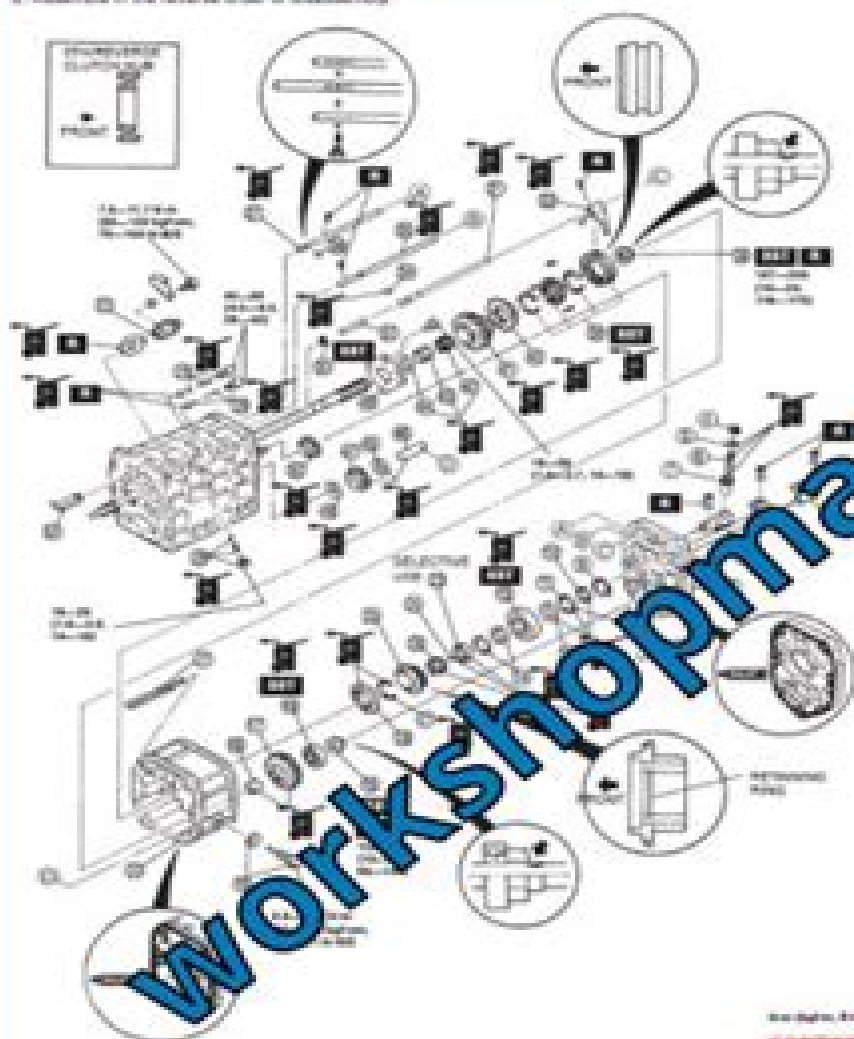


# Ford Ranger 1998-2006 Workshop Manual

## REVERSE GEAR AND SHIMING PARTS DISASSEMBLY/ASSEMBLY

1. Disassemble in the order indicated in the table.
2. Assemble in the reverse order of disassembly.



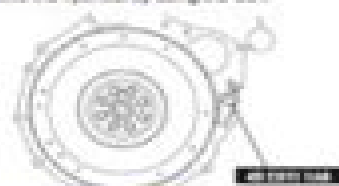
### Timing Gear Case Disassembly Note

- Remove the timing gear cover by using the SST.



### Flywheel Disassembly Note

- Remove the flywheel by using the SST.



### Rear Cover Disassembly Note

- Remove the oil seal by using a screwdriver protected with a rag.



### Oil Pump Cover Assembly Note

- Tighten the bolts in two or three steps in the order shown.



### Rear Cover Assembly Note

1. Apply clean engine oil to the oil seal.
2. Push the oil seal slightly in by hand.
3. Press the oil seal in evenly by using the SST.



4. Apply silicone sealant to the rear cover as shown.

Thickness  
± 2 mm (0.07 in.)



### Flywheel Assembly Note

1. Hold the crankshaft by using the SST.
2. Tighten the bolts in the order shown.



### Timing Gear Case Assembly Note

1. Install the new O-ring.

See figure 4-40

CONTINUED

# Ford Ranger Engine Repair Manual

**Thomas Griffiths**



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