

# 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.

### Oil Seal Disassembly Note

- Remove the oil seal 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.)



### Pinwheel 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

**Shasha Hu**



## **Ford Ranger Engine Repair Manual:**

93 - 97 Ford Ranger Repair Manual , This is the PDF service repair manual for the Ford Ranger 1993 1997 The same manual autoshops and dealers reference to This isnt your everyday off the shelf autostore manual This manual is guranteed to be better than any autostore manual Detailed drawings Detail diagrams Detail step by step instructions Covers more than standard manuals Available as PDF no more damage manuals Chapters include Body Frame and Mounting Engine Suspension Driveline Brakes Transmission Clutch Exhaust system Fuel system Steering Climate Control system Instrumentation and Warning systems Battery and charging system Audio system Lighting Electrical Power supply **Ford Ranger and Mazda (B-Series) Pick-Ups Automotive Repair Manual** Eric Jorgensen,Alan Ahlstrand,J. H. Haynes,2005-05 Complete coverage for your Ford Ranger and Mazda Pick up covering all Ford Ranger models for 1993 thru 2005 and Mazda B2300 B2500 B3000 B4000 for 1994 thru 2005 Routine Maintenance Tune up procedures Engine repair Cooling and heating Air Conditioning Fuel and exhaust Emissions control Ignition Brakes Suspension and steering Electrical systems Wiring diagrams *Ford Ranger & Bronco II* Alan Ahlstrand,John Harold Haynes,Homer Eubanks,1992 Models covered Ford Ranger and Bronco II models 1983 through 1992 does not include diesel engine information *Ford Ranger Pick-ups 1993 thru 2011* Editors of Haynes Manuals,2013-06-15 With a Haynes manual you can do it yourself from simple maintenance to basic repairs Haynes writes every book based on a complete teardown of the vehicle We learn the best ways to do a job and that makes it quicker easier and cheaper for you Our books have clear instructions and hundreds of photographs that show each step Whether you re a beginner or a pro you can save big with Haynes Step by step procedures Easy to follow photos Complete troubleshooting section Valuable short cuts Color spark plug diagnosis Complete coverage for your Ford Ranger Mazda Pick up covering all Ford Ranger models for 1993 thru 2011 Mazda B2300 B2500 B3000 B4000 for 1994 thru 2008 Routine Maintenance Tune up procedures Engine repair Cooling and heating Air Conditioning Fuel and exhaust Emissions control Ignition Brakes Suspension and steering Electrical systems Wiring diagrams **Ford Ranger & Mazda B-series Pick-ups Automotive Repair Manual** Eric Jorgensen,Alan Ahlstrand,John Harold Haynes,2010 Haynes manuals are written specifically for the do it yourselfer yet are complete enough to be used by professional mechanics Since 1960 Haynes has produced manuals written from hands on experience based on a vehicle teardown with hundreds of photos and illustrations making Haynes the world leader in automotive repair information **Motor Truck Repair Manual** Michael J. Kromida,1983-05 **Chilton's Ford Ranger Pick-ups 2000-05 Repair Manual** Eric Jorgensen,Alan Ahlstrand,2007-03-02 Covers U S and Canadian models of Ford Ranger and Mazda B2300 B2500 B3000 B4000 pick ups *2002 Ford Ranger Service Manual* Ford Motor Company,2025-01-17 This 2002 Ford F 150 Truck Wiring Diagrams is a high quality licensed PRINT reproduction of the service manual authored by Ford Motor Company and published by Detroit Iron This OEM factory manual is 11 x 8 5 inches paperback bound shrink wrapped and contains 528 pages of comprehensive mechanical

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