

PISTON PIN BUSHING REPLACEMENT

Figure 62 and 63

1. Fully support the connecting rod upper end in a press.
2. Press out the old bushing, using a suitable press tool (figure 62).
3. Press the new bushing into place, using the press and press tool (figure 63). Be sure the oil holes in the bushing and connecting rod align.
4. Fit up the new bushing to the piston pin, using a pin hole grinder (figure 63).

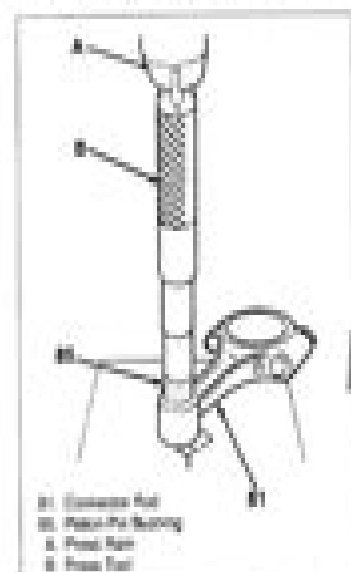


Figure 62: Removing or Installing the Piston Pin Bushing



Figure 63: Pressing the Connecting Rod Piston Pin Bushing

VIBRATION DAMPER REPLACEMENT

Remove or Disconnect (Figure 71)

1. Battery ground cables.
2. Tension strap for fan shroud.
3. Cooling fan (S) (figure 4, 500, 600).
4. Loosen the generator adjusting plate bolt and remove the drive belts.
5. Loosen the A/C compressor drive belt tensioner and remove the drive belt. Refer to A/C CONDITIONING (SIC, 18).
6. Damper bolts (S).
7. Vibration damper (S).



Figure 71: Crankshaft Damper and Pulley

Install or Connect (Figure 71)

1. Vibration damper (S).
2. Lubricate the bolt (S) threads with engine oil.
3. Bolts (S).

Tighten

- Bolts (S) to 300 N·m (147 lb·ft).

4. Reinstall the drive belts.
5. Adjust the generator drive belts to push the belt 9 - 13 mm (0.354 - 0.512 in) with 98 N·m (72 lb·ft).
6. Adjust the A/C compressor drive belt tensioner to push the belt 14 - 20 mm (0.551 - 0.787 in) with 98 N·m (72 lb·ft).
7. Cooling fan (S) (figure 4, 500, 600).
8. Stay for fan shroud (figure 1, 500, 600).
9. Battery ground cables.

OIL PUMP REPLACEMENT

Remove or Disconnect (Figure 76)

1. Oil pan.
2. Power steering pump.
3. Flywheel.
4. Flywheel housing.
5. Flare of rear stringer.
6. Oil gear (S).
7. Bolts (142).
8. Oil pump (141).

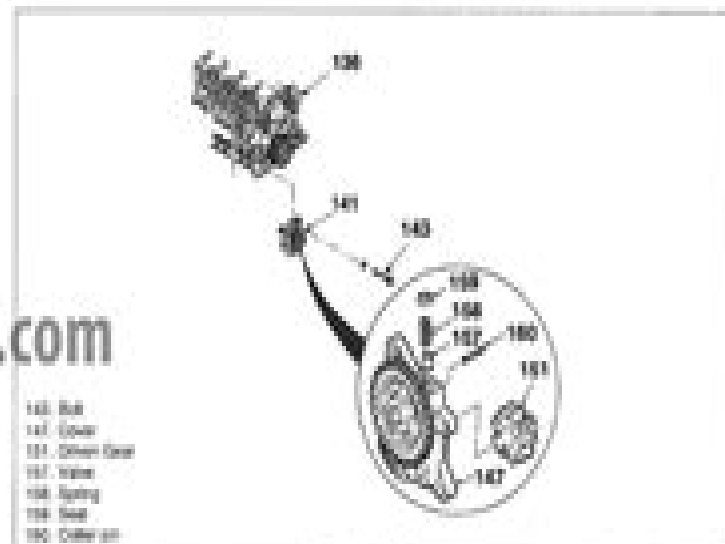


Figure 76: Oil Pump

Measure (Figure 76, 77 and 78)

- Gear teeth to cover inner wall (distance as shown in figure 76). Use a feeler gauge, as shown. The clearance must not exceed 0.17 mm (0.007 in). If excessive, replace the pump assembly.
- Cover and gear end clearance, as shown in figure 77. Use a straightedge and feeler gauge, as shown. The clearance must not exceed 0.2 mm (0.0079 in). If excessive, replace the cover and gear set.

Disconnect (Figure 76)

1. Drive (147) and driven gear (148).
2. Retard valve (149, 150, 151, 152).

Clean

- All parts to solvent. Blow dry with compressed air.

Inspect (Figure 76)

- Gears (147), and cover (147) for pitting or wear.
- Retard valve (149) for wear.

Gmc W4500 Auto Manual

D Keegan



Gmc W4500 Auto Manual:

Fleet Owner ,2006 Public Works Manual ,2002 **Automotive News** , *Maintenance Manual GMC Truck Model AT-218 Pow-R-Flo Automatic Transmission* General Motors Corporation. GMC Truck & Coach Division,1962 Covers the Pow R Flo transmission as used on 1963 GMC G series trucks 1000 1500 P PB1000 P PB1500 **Chevrolet & GMC Pick-ups Automotive Repair Manual** Ken Freund,John Harold Haynes,1990 **Maintenance Manual GMC Truck Turbo Hydra-Matic Automatic Transmission** General Motors Corporation. GMC Truck & Coach Division,1966 Covers the Turbo Hydra Matic automatic transmission used as optional equipment in models 1500 I 1500 and P1500 for 1966 **Chilton General Motors Chevy and GMC Full-Size Trucks, 1988-96** Chilton Automotive Books,1996-07 Today s technologies are a world apart from the cars of a generation ago That s why Chilton created a new breed of model specific repair manuals so comprehensive they set the standard Written in response to consumer studies they give your customers exactly what they want and need in specific automotive information Total Car Care provides the amateur mechanic with two essential ingredients In depth information on all systems from headlights to exhaust Complete easy to follow illustrated procedural directions for disassembly removal replacement and reinstallation Each volume lives up to its name with total information including Photographs and illustrations throughout Diagnostic and troubleshooting sections throughout Actual wiring and vacuum diagrams Complete electronic controls information Tune up specs and maintenance schedules Emissions controls data environmental and safety information Chevrolet/GMC S-10 & S-15 Owners Workshop Manual David Hayden,John Harold Haynes,1985 Chevrolet & GMC Vans Owners Workshop Manual John Harold Haynes,P. G. Strasman,1983

Allison Fully Automatic Transmission MT Series Service Manual General Motors Corporation. GMC Truck & Coach Division,1969 Covers the 1962 to 1968 models **Haynes Chevrolet Astro and Gmc Safari Mini-Van Owners Workshop Manual 1985 Thru 1988** John Harold Haynes,Ken Freund,1988 **2018 GMC Terrain - OEM Owners Manual Compatible with OEM Owners Manual, Factory Glovebox Book** Helming,2018-05-14 **Chevrolet & GMC Vans Automotive Repair Manual** Don Pfeil,John Harold Haynes,1992 1941 - 1942 GMC Truck 100-450 Maintenance Manual - X-4113 GM Corporation,2022-04-10 This 1941 1942 GMC Truck 100 450 Maintenance Manual X 4113 is a high quality licensed PRINT reproduction of the service manual authored by General Motors Corporation and published by Detroit Iron This OEM factory manual is 8 5 x 11 inches paperback bound shrink wrapped and contains 418 pages of comprehensive mechanical instructions with detailed diagrams photos and specifications for the mechanical components of your vehicle such as the engine transmission suspension brakes fuel exhaust steering electrical and drive line Service repair manuals were originally written by the automotive manufacturer to be used by their dealership mechanics The following 1941 1942 GMC models are covered AF240 AFP240 CC100 CC150 CC250 CC260 CC300 CCV100 CCX250 This factory written Detroit Iron shop manual is perfect for the restorer or anyone working on one of these vehicles *Chevrolet & GMC S-10 & S-15*

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