Appendix A: Tools


Part No. B-43983 Main Drive Gear Cross Plate. Used with Part No. HD-35316A.


Part No. B-43985 Transmission Remover/Installer


Part No. B-43987 Engine Cradle Used with HD-42310

Part No. B-43982 Sprocket Locking Tool

Part No. B-4177 Front Fork Holding Tool

Part No. B-43991 Fork Seal/Bushing Driver

Part No. HD-33223-1 Cylinder Compression Gauge

Part No. HD-33413-A Carburetor Idle Adjustment Tool

Part No. B-59000A Pro Level Oil Gauge

Part No. HD-33416 Universal Driver Handle

Part No. HD-25070 Robinair Heat Gun

Part No. HD-33418 Universal Puller Forcing Screw
Part No. HD-33446A Cylinder Torque Plates and Torque Plate Bolts Part No. HD-33446-86.

Part No. HD-34723 Valve Guide Hone (8 mm)

Part No. HD-33813 Inductive Timing Light

Part No. HD-34731 Shoulderless Valve Guide Installation Tool

Part No. HD-34623B Piston Pin Retaining Ring Installer/Remover

Part No. HD-34736B Valve Spring Compressor

Part No. HD-34643A Shoulderless Valve Guide Seal Installer

Part No. HD-34740 Driver Handle and Remover. Use with Part No. HD-34643A and art No. HD-34731.
Part No. HD-34751 Nylon Valve Guide Brush

Part No. HD-3502-B Primary Bearing Race Remover/Installer

Part No. HD-35102 Wrist Pin Bushing Hone (20 mm)

Part No. HD-35316-A Main Drive Gear Remover/Installer and Main Drive Gear Bearing Installer.

Part No. HD-35381 Belt Tension Gauge

Part No. HD-35457 Black Light Leak Detector

Part No. HD-35500A Digital Multi-Meter (FLUKE 23)

Part No. HD-35518 Internal/External Retaining Ring Pliers
Part No. HD-35667A Cylinder Leakdown Tester

Part No. HD-35758 Neway Valve Seat Cutter Set

Part No. HD-37842A Inner/Outer Main Drive Gear Needle Bearing Installer

Part No. HD-38125-6 Packard Terminal Crimp Tool (Sealed and non-sealed connectors)

Part No. HD-38125-7 Packard Terminal Crimp Tool (Sealed connectors)

Part No. HD-38125-8 Packard Terminal Crimp Tool

Part No. HD-38361 Cam Gear Gauge Pin Set (0.108 in. (2.74 mm) Diameter)

Part No. HD-38632 Sprocket Locking Link
Part No. HD-38515-A Clutch Spring Compressing Tool and Part No. HD-38515-91 Forcing Screw.

Part No. HD-38871-2 Reamer. Use with Part No. B-43988 Camshaft Bushing Reamer Fixture

Part No. HD-39151 Shift Drum Retaining Ring Installer

Part No. HD-39301-A Steering Head Bearing Race Remover

Part No. HD-39302 Steering Head Bearing Race Installer

Part No. HD-39458 Sprocket Shaft Bearing Outer Race Installer

Part No. HD-39565 Engine Sound Probe

Part No. HD-39617 Inductive Amp Probe. Use with Part No. HD-35500A.
Appendix A: Tools

- Part No. HD-39621 Electrical Terminal Repair Kit
- Part No. HD-39823 Oil Filter Crusher, Large
- Part No. HD-39782 Cylinder Head Support
- Part No. HD-39847 Universal Ratcheting Tap/Reamer Handle
- Part No. HD-39786 Cylinder Head Holding Fixture
- Part No. HD-39932 (Steel) or HD-39932-CAR (Carbide) Intake and Exhaust Valve Guide Reamer.
- Part No. HD-39800 Oil Filter Crusher, Small
- Part No. HD-39964 Reamer Lubricant (Cool Tool)
Part No. HD-39965 Deutsch Terminal Crimp Tool

Part No. HD-39969 Ultra-Torch UT-100

Part No. BU-44473 Tool Organizational System

Part No. HD-41137 Hose Clamp Pliers

Part No. HD-41155 VHS Video Shelf

Part No. HD-41183 Heat Shield Attachment. Use with Part No. HD-25070.

Part No. HD-41185 Hose Cutting Tool

Part No. HD-41185-1 Oil Hose Cutter-Replacement Blade
Appendix A: Tools

Part No. HD-41405 Main Drive Gear Seal Installer

Part No. HD-41496 Main Drive Gear Seal Installer

Part No. HD-41609 Amp Terminal Crimp Tool

Part No. HD-41675 Oil Pressure Sending Unit Wrench

Part No. HD-42300 Engine/ Transmission Stand

Part No. HD-42310-150 Drip Tray. Use with Part No. HD-42310.

Part No. HD-42320 Piston Pin Remover/Installer

Part No. HD-42322 Piston Support Plate
Part No. HD-42376 Battery/Charging System
Load Tester

Part No. HD-42579 Sprocket Bearing/Seal Installer

Part No. HD-42774 Sprocket Shaft Seal Installer

Part No. HD-43646 Engine Stand

Part No. HD-43984 Crankshaft Locking Tool

Part No. HD-44358 Flywheel Support Fixture

Part No. HD-43682-10 Drip pan.
Use with Part No. HD-43682 or Part No. HD-43646.

Part No. HD-43646 Engine Stand

Part No. HD-44069 Timkin Snap ring remover and installer. Use with Part No. HD-44404.
Part No. HD-44404 Timkin Bearing Remover. Use with Part No. HD-44069.


Part No. HD-94800-26A Connecting Rod Bushing Reamers and Pilots

Part No. HD-94803-67 Intake Camshaft Bushing Reamer

Part No. HD-94804-57 Rocker Arm Bushing Reamer

Part No. HD-94812-87 Pinion Shaft Reamer Pilot. Use with Part No. HD-94812-1.

Part No. HD-95760-69A Bushing/Bearing Puller Tool Set
Set includes items 1-7. Items 8 (HD-95769-69), 9 (HD-95770-69) and 10 (HD-95771-69) are optional.

Part No. HD-95017-61 Large External Retaining Ring Pliers

Part No. HD-95952-33B Connecting Rod Clamping Tool

Part No. HD-95635-46 All-Purpose Claw Puller

Part No. HD-95970-32D Piston Pin Bushing Tool

Figure 3-1. Part No. HD-95637-46A Wedge Attachment for Claw Puller. Use with Part No. HD-95635-46.

Part No. HD-96215-49 Small Internal Retaining Ring Pliers

Part No. HD-96718-87 Pinion Bearing Outer Race Lapping Kit

Part No. HD-96333-51C Piston Ring Compressor

Part No. HD-96796-47 Valve Spring Tester

Part No. HD-96550-36A Valve Lapping Tool

Part No. HD-96921-52B Oil Pressure Gauge

Part No. HD-96921-58 Oil Pressure Gauge Adapter. Use with Part No. HD-96921-52B.

Part No. HD-96710-40B Crankcase Main Bearing Lapping Tool
Part No. HD-97087-65B Hose Clamp Pliers

Part No. HD-97292-61 Two Claw Puller

Part No. HD-97273-60 Camshaft Bushing Installer

Part No. J-5586 Transmission Shaft Retaining Ring Pliers