



April 11, 2000

Applies To: **ALL**

## Required Special Tools and Equipment (Supersedes 99-018, dated April 20, 1999)

In accordance with the Automobile Sales and Service Agreement, Section 3.9, your service department is required to have, at a minimum, the tools and equipment listed in this bulletin.

When a new model is introduced and requires special tools, those tools will be shipped to you automatically. If you receive a required special tool and believe you have an equivalent, refer to **RETURN OF PARTS MANUALS, REQUIRED TOOLS AND SERVICE MANUALS FOR AUTOMOBILE DEALERS** in the HOW TO RETURN PARTS AND ACCESSORIES TO AMERICAN HONDA section of your PARTS SYSTEM GUIDE.

### REQUIRED SERVICE MANUALS

Dealers are required to have a copy of each Service Manual, Electrical Troubleshooting Manual, and Body Repair Manual listed in service bulletin 97-015, *Automobile Service Publications and Supplies*, filed under General Information.

### REQUIRED SPECIAL TOOLS

These tools are available from American Honda. Use the check (✓) column to identify the tools you already have.

NOTE: All tools are in single quantity units unless noted in *italics* under the Description heading.

#### Air Conditioning Tools

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07JAC-SH20300	1	5	Driver Attachment	•
	J-33942-B	1	5	Shaft Seal Cover Remover/Installer	•
	J-34614	1	5	Shaft Seal Protector	•

#### Axle/Differential Tools

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07MAD-PR90100	18	10	Attachment, 45 x 55 mm	
	07MAF-SP0013A	18	10	Installer Shaft	
	07RAF-TB4020A	18	10	Tapered Bearing Installer "A"	
	07RAF-TB4030A	18	10	Tapered Bearing Installer "B"	
	07RAF-TB4040A	18	10	Differential Dis/Assembly Attachment	
	07XAC-001010A	18	8	Threaded Adapter, 22 x 1.5 mm	•
	07XAC-001020A	18	8	Threaded Adapter, 24 x 1.5 mm	•
	J-22342-15	18	8	Forcing Screw	
	J-22813-01	18	8	Axle Bearing Puller	•
	J-34174-1	18	10	Screw Cap	
	J-34174-2	18	10	Cap	
	J-36827	18	8	Locking Hub Wrench	•
	J-39602-AH	18	8	Outer Bearing Remover	
	J-39824	18	10	Spline Tool	
	J-39825	18	10	Differential Side Bearing Remover	

### Axle/Differential Tools

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	J-39829	18	8	Pinion Oil Seal Installer	•
	J-41217	N/A	N/A	Shim Selection Tool Kit	•
	J-41245	18	10	Axle Shaft Bearing Installer	•
	J-41280	N/A	8	Differential Housing Spreader	
	J-41280-25	N/A	8	Differential Housing Spreader Bolts	
	J-8001-AH	N/A	10	Dial Indicator with Case	
	KD-3191	18	10	Boot Band Tool	•

### Body Tools

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07908-A01010A	N/A	16	Audio System Analyzer	•
	07908-A01020A	N/A	16	Honda Test Tape	•
	07947-6110501	3	17	Seal Driver Attachment	•
	07HAZ-SG00400	N/A	N/A	Deployment Tool	•
■	07JAA-001000D	2	15	Antenna Nut Wrench	•
	07JAZ-003000B	N/A	N/A	Terminal Pin Kit "A"	•
	07LAZ-SL40100	N/A	N/A	Test Harness A	•
	07LAZ-SL40300	N/A	N/A	Test Harness C	•
	07LAZ-SL40400	N/A	N/A	Test Harness D	•
	07MAG-SM2010A	2	1	Sash Guide Adjuster	•
	07MAZ-SL0010A	N/A	N/A	SRS Tool Set	•
	07MAZ-SL00500	N/A	N/A	Test Harness A	•
	07MAZ-SP0020A	N/A	15	Seat Belt Service Connector (2 required)	•
	07MAZ-SP00500	N/A	N/A	Test Harness B	•
■	07QAZ-003020C	N/A	N/A	Terminal Pin Kit "C"	•
	07QAZ-SR30100	N/A	5	Jumper Wire Harness	•
	07RAA-001010A	N/A	15	Door Hinge Wrench	•
	07RAZ-001000A	N/A	N/A	Terminal Pin Update Kit	•
	07SAZ-TB4011A	N/A	15	SRS Inflator Simulator	•
	07SAZ-TB4012A	N/A	15	SRS Simulator Lead "A"	•
	07SAZ-TB4013A	N/A	15	SRS Simulator Lead "B"	•
	07TAZ-001020A	N/A	5	Backprobe Adapter, 17 mm	•
	07TAZ-SZ3010A	N/A	5	Immobilizer Jumper Connector (bag of 5)	•
	07TAZ-SZ3020A	N/A	5	Immobilizer Reminder Key Tag (bag of 5)	•
	07TAZ-SZ5011A	N/A	15	SRS Simulator Lead "C"	•
	07TAZ-TB5011A	N/A	15	SRS Simulator Lead "D"	•
	07WAZ-001010A	N/A	5	MPCS Short Connector	•
■	07XAA-0010200	2	15	Antenna Nut Wrench, 4-pin	•
■	07XAG-001010A	2	15	Door Alignment Tool	•
■	07XAZ-S1A0100	N/A	15	SRS Test Box	•
■	07XAZ-S1A0200	N/A	15	SRS Simulator Lead "E"	•
■	07XAZ-SZ30100	N/A	15	SRS Simulator Lead "F"	•
	A911A-365-WXXXX	2	15	Rivnut Tool (1/4 x 20)	•
	A911X-010-WXXXX	2	15	Rivnut Tool (10 x 32 mm)	•

### Body Tools

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	AE-94T69114W01	N/A	16	16-pin Adapter, Radio Side	•
	AE-94T72841F01	N/A	16	16-pin Adapter, Car Side	•
	J-34355	N/A	N/A	Spare Tire Carrier Nut Wrench	•
	J-35616-A	N/A	5	Connector Test Adapter Kit	•

### Common Bearing/Seal Drivers

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07746-0010100	3	17	Attachment, 32 x 35 mm	•
	07746-0010200	3	17	Attachment, 37 x 40 mm	•
	07746-0010300	3	17	Attachment, 42 x 47 mm	•
	07746-0010400	3	17	Attachment, 52 x 55 mm	•
	07746-0010500	3	17	Attachment, 62 x 68 mm	•
	07746-0010600	3	17	Attachment, 72 x 75 mm	•
	07746-0030100	8	17	Driver, 40 mm I.D.	•
	07746-0030400	3	17	Attachment, 35 mm I.D.	•
	07749-0010000	3	17	Driver	•
	07945-3710101	3	17	Driver	•
	07947-6340300	3	17	Driver Attachment	•
	07947-6340400	3	17	Driver Attachment	•
	07947-6340500	3	17	Driver Attachment	•
	07949-3710001	3	17	Driver	•
	07HAD-SG00100	N/A	N/A	Driver Attachment	•
	07JAD-PH80200	3	17	Pilot, 26 x 30 mm	•
	07JAD-PH80400	3	17	Pilot, 28 x 30 mm	•

### Engine Tools

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07742-0010100	5	2	Valve Guide Driver 5.5 mm	
	07757-PJ1010A	5	2	Valve Spring Compressor Attachment	
	07912-6110001	4	1	Oil Filter Wrench	•
	07936-3710100	5	6	Remover Handle	•
	07942-6570100	5	2	Valve Guide Driver, 6.6 mm	
	07947-SB00100	4	1	Oil Seal Driver	•
	07947-SB00200	4	1	Oil Seal Driver	•
	07973-6570500	4	1	Piston Base	
	07973-6570600	4	1	Piston Base Spring	
	07973-PE00200	4	1	Pilot Collar	
	07973-PE00310	4	1	Piston Pin Driver Shaft	
	07973-PE00320	4	1	Piston Pin Driver Head	
	07973-PE00400	4	1	Piston Pin Base Insert	
	07984-657010D	5	2	Valve Guide Reamer, 6.6 mm	
	07GAD-PH70201	4	1	Oil Seal Driver	•
	07GAF-PH60300	4	1	Piston Pin Base Insert	

## Engine Tools

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07GAF-PH70100	4	1	Pilot Collar	
	07HAH-PJ7010B	N/A	N/A	Valve Guide Reamer, 5.5 mm	
	07JAA-001010A	17	3	Socket, 17 mm	•
	07JAA-001020A	17	3	Socket, 19 mm	•
	07JAB-001010A	3	3	Pulley Holder Attachment, Pin Type	•
	07JAB-001020A	3	3	Holder Handle	•
	07LAB-PV00100	4	1	Ring Gear Holder	•
	07LAD-PT3010A	4	1	Seal Driver	•
	07LAJ-PR3020B	5	2	Air Stopper	
	07MAB-PY3010A	17	3	Holder Attachment, 50 mm, Offset	•
	07NAB-001040A	17	3	Holder Attachment, 50 mm	•
	07NAF-PT0010A	5	2	Installer Cup	•
	07NAF-PT0020A	5	2	Installer Shaft	•
	07NAG-P13010A	17	1	Timing Belt Slider	•
	07NAG-PT0010A	5	2	Seal Guide, 28 mm	•
	07NAJ-P07010A	5	2	Pressure Gauge Adapter	•
	07RAB-TB4010B	17	3	Flange Holder	•
	07RAD-TB4010A	17	2	Valve Guide Driver, 6.0 mm	
	07RAD-TB4020A	17	2	Valve Guide Driver, 8.0 mm	
	07RAF-TB4010A	4	1	Pilot Collar	
	07RAH-TB4010A	17	2	Valve Guide Reamer, 6.0 mm	
	07RAH-TB4020A	17	2	Valve Guide Reamer, 8.0 mm	
	07TAB-TB4010A	17	1	Camshaft Pulley Holder	•
	07TGF-001000A	4	1	Piston Base Head/Insert	
	07TGG-001000A	N/A	3	Belt Tension Gauge Set	•
	07VAD-P8A010A	N/A	1	Seal Driver Attachment, 80 mm I.D.	•
	07VAJ-P8A010A	N/A	2	VTEC™ Air Adapter	•
	07VAJ-P8A020A	N/A	2	VTEC™ Air Stopper	•
	07WAF-S84010A	5	2	Installer Shaft, 10 mm	•
	07XAA-001030A	N/A	N/A	Engine Support Fixture	
	07XAF-PT00100	5	2	Seal Installer	•
	14540-P13-003	N/A	1	Stopper	•
	14540-P8A-A01	N/A	N/A	Tension Stopper	•
	J-39202	17	1	Oil Pump Seal Installer	•
	J-41730	N/A	2	Spark Plug Tube Removal/Installation Adapter	•
	J-42686	N/A	1	Gear Spring Lever	•
	J-42689-AH	N/A	1	Valve Adjuster Holder	•

## Fuel/Emissions Tools

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07406-004000A	6	4	Fuel Pressure Gauge	•
	07406-004030A	N/A	4	Fuel Pressure Adapter, 6 x 15 mm	•
	07GAC-SE0020A	6	4	Fuel Sender Wrench	•
	07JAZ-001000B	N/A	4	Vacuum Gauge, 0 to 4 in. Hg	•

### Fuel/Emissions Tools

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07LAJ-PT3010B	N/A	5	Test Harness	•
	07LAJ-PT3020B	N/A	5	Test Harness	•
	07NAC-SR20100	6	4	Fuel Sender Wrench	•
	07RAK-TB4070A	6	4	Fuel Pressure Gauge Adapter (L4)	•
	07RAK-TB4080A	6	4	Fuel Pressure Gauge Adapter (V6)	•
	07SAZ-001000A	N/A	5	Backprobe set (2 required)	•
	07VAJ-0040100	N/A	4	Fuel Pressure Gauge Adapter	•
	07XAA-001010A	11	4	Fuel Sender Wrench	•
	90008-PD6-010	6	4	Fuel Pressure Bolt, 12 mm	•
	A973X-041-XXXXX	6	4	Vacuum Pump/Gauge, 0 to 30 in. Hg	•

### Steering Tools

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07406-001000A	9	11	P/S Pressure Gauge	•
	07725-0030000	17	11	Universal Holder	
	07916-SA50001	9	11	Locknut Wrench, 40 mm	•
	07974-SA5020A	14	12	Piston Seal Ring Sizing Tool	
	07GAG-SD4010A	N/A	N/A	Piston Seal Ring Guide	
	07GAG-SD4020A	14	12	Piston Seal Ring Sizing Tool	
	07GAG-SD4040A	14	12	Cylinder End Seal Guide	
	07HAG-SF1010A	N/A	N/A	Piston Seal Ring Guide	
	07HAG-SF1020A	14	12	Piston Seal Ring Sizing Tool	
	07LAG-SM4010A	14	12	Piston Seal Ring Guide	
	07LAG-SM4020A	14	12	Piston Seal Ring Sizing Tool	
	07MAA-SL0020A	14	11	Locknut Wrench, 43 mm	
	07NAD-SR3020A	9	11	Cylinder End Seal Remover Attachment	
	07NAG-SR3090A	14	12	Piston Seal Ring Sizing Tool	
	07NAK-SR3011A	9	11	P/S Joint Adapter (Pump)	•
	07NAK-SR3012A	9	11	P/S Joint Adapter (Hose)	•
	07QAK-P0A0110	9	11	P/S Joint Adapter (Pump)	•
	07QAK-P0A0120	9	11	P/S Joint Adapter (Hose)	•
	07RAA-TB4010A	19	N/A	Steering Gear Box Locknut Wrench Set, 17 mm	•
	07RAK-S040110	19	11	P/S Joint Adapter (Pump)	•
	07RAK-S040121	N/A	11	P/S Joint Adapter (Hose)	•
	07RAK-TB4010A	9	11	P/S Joint Adapter Banjo (Pump) A	•
	07RAK-TB4020A	9	11	P/S Joint Adapter Bolt (Hose)	•
	07RAK-TB4040A	9	11	P/S Joint Adapter (Hose)	•
	07RAK-TB4050A	9	11	P/S Joint Adapter Banjo (Pump) B	•
	07TAF-SZ50100	9	11	Cylinder End Seal Remover Attachment	•
	07VAK-P8A011A	N/A	11	P/S Joint Adapter (Pump)	•
	07VAK-P8A012B	N/A	11	P/S Joint Adapter Plate (Pump)	•
	07XAA-002010A	19	11	Steering Gearbox Wrench, 40 x 42 mm	•

**Suspension/Brake Tools**

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07746-0030300	3	17	Attachment, 30 mm	•
	07914-SA50001	12	13	Snap-Ring Pliers	•
	07965-6340100	8	14	Hub Dis/Assembly Shaft	•
	07965-6340301	3	14	Hub Dis/Assembly Base	•
	07965-6920101	8	14	Hub Disassembly Tool	•
	07965-6920201	8	14	Hub Dis/Assembly Base	•
	07965-6920500	8	14	Hub Assembly Guide Attachment	•
	07965-SB00100	7	13	Ball Joint Remover/Installer	•
	07965-SB00200	7	13	Ball Joint Base Installer Base	•
	07973-SA50000	12	13	Rear Caliper Guide	•
	07974-SA50700	7	13	Ball Joint Boot Clip Guide	•
	07974-SA50800	7	13	Ball Joint Boot Clip Guide	•
	07GAF-SD4031A	7	13	Ball Joint Base Remover Adapter (C)	•
	07GAF-SD40320	7	13	Ball Joint Installer Base	•
	07GAF-SD40700	8	14	Hub Dis/Assembly Base	•
	07GAF-SE00100	8	14	Hub Dis/Assembly Tool	•
	07GAF-SE00200	8	14	Hub Assembly Guide Attachment	•
	07GAF-SE00401	8	14	Hub Dis/Assembly Base	•
	07GAG-SD40700	7	N/A	Ball Joint Boot Clip Guide	•
	07HAA-SG00101	12	N/A	Bleeder T-Wrench	•
	07HAD-SF10100	8	14	Driver Attachment	•
	07HAE-SG00100	12	13	Brake Spring Compressor	•
	07HAF-SF10110	7	13	Ball Joint Remover/Installer	•
	07HAF-SF10120	7	13	Ball Joint Installer Base	•
	07HAF-SF1013A	7	13	Ball Joint Base Remover Adapter (F)	•
	07JAF-SH20110	8	N/A	Hub Dis/Assembly Pilot, 38 mm	•
	07JAF-SH20120	8	14	Hub Dis/Assembly Shaft, 22.4 x 25.4 mm	•
	07JAF-SH20200	7	13	Ball Joint Remover Base, 28 mm	•
	07JAG-SD40100	7	13	Pushrod Adjustment Gauge	•
	07MAC-SL00100	7	13	Ball Joint Remover, 32 mm	•
	07MAC-SL00200	7	13	Ball Joint Remover, 28 mm	•
	07XAF-001010A	7	13	Ball Joint Remover Installer Adapter (A)	•
	07XAF-001020A	7	13	Ball Joint Remover/Installer Pilot Adapter (H)	•
	07XAF-001030A	7	13	Ball Joint Base Installer Adapter (B)	•
	07XAF-001040A	7	13	Ball Joint Base Installer Adapter (E)	•
	07XAF-001050A	7	13	Ball Joint Pilot Adapter (G)	•
	KD-3191	18	10	Boot Band Tool	•
	OTC-7248	7	13	C-Frame Tool	•

**Transmission/Clutch Tools**

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07406-0020400	16	7	A/T Oil Pressure Gauge Set with Panel	•
	07406-0070300	16	7	A/T Low Oil Pressure Gauge with Panel	•
	07736-A01000B	10	6	Adjustable Bearing Puller, 25 to 40 mm	

Transmission/Clutch Tools

✓	Tool Number	Tool Board Location	Tool Drawer Location	Description	Required for HDSC
	07947-SD90101	13	9	Oil Seal Driver Attachment	•
	07947-SD90200	13	9	Seal Driver Attachment	•
	07965-SD90100	13	9	Support Base	•
	07965-SD90200	13	9	Support Collar	
	07GAB-PF50101	13	9	Mainshaft Holder (Automatic)	•
	07GAD-PG40100	N/A	N/A	Seal Driver Attachment	
	07GAE-PG4020A	10	6	Clutch Spring Compressor Bolt Assembly	
	07GAJ-PG2010A	16	N/A	Mainshaft Inspection Tool Set	
	07GAJ-PG20120	16	6	Collar	
	07GAJ-PG20130	6	6	Mainshaft Base	
	07HAJ-PK40201	10	6	Preload Inspection Tool	•
	07JAD-PH80101	13	9	Oil Seal Driver Attachment	•
	07JAF-PM7011A	10	6	Clutch Alignment Disc	•
	07JAF-PM7012A	10	6	Clutch Alignment Shaft	•
	07JMB-MN50200	13	9	Mainshaft Holder	
	07LAD-PW50601	13	9	Attachment, 40 x 50 mm I.D.	
	07LAD-SM40100	13	9	Seal Driver Attachment	•
	07LAE-PX40100	10	6	Clutch Spring Compressor Attachment	
	07LAF-PT00110	10	6	Clutch Alignment Shaft	•
	07LAF-SM40300	13	9	Support Base Attachment	•
	07MAJ-PY4011A	16	7	A/T Pressure Hose, 2210 mm	•
	07MAJ-PY40120	16	7	A/T Pressure Adapter	•
	07RAK-TB4060A	16	7	A/T Pressure Adapter	•
	J-24547	10	6	Driven Plate Aligner	•
	J-34165	18	10	Pinion Bearing Remover	
	J-37219	13	9	Mainshaft Nut Wrench	
	J-37263	N/A	8	Pinion Oil Seal Installer	•
	J-37360	13	9	Spiral Snap Ring Installer	
	J-37426	10	6	Large Gear Puller Plate	
	J-38592	13	9	Transfer Case Oil Seal Installer	•
	J-38593	13	9	Rear Output Oil Shaft Installer	•
	J-38594	13	9	Front Output Shaft Seal Installer	•
	J-41218	13	9	Mainshaft Seal Installer	
	J-41259	1	5	Drive Plate Puller	•

## ESSENTIAL SERVICE TOOLS AND EQUIPMENT

The tools and equipment in the following list can be purchased through the Honda Tool and Equipment program, or from outside sources. The recommended model listed for each item meets the minimum requirements for proper servicing of Honda vehicles. Refer to the Honda Tool and Equipment program catalog for equipment details and for information on other models that may be more suitable for your service needs.

For information on pricing, product features, and availability, or to order any listed tools or equipment, call the program's customer service representative at (888) 424-6857.

### Air Conditioning Service Equipment

✓	Item	Minimum Specification	Recommended Model	Catalog Page No.
	A/C (R-12) Charging Station		ROB-17700A	1-5
	A/C (R-12) High-side Charging Adapters	7/16 in.-20 male by 3/8 in.-24 female Straight 90-degree	SUN-ACT134 SUN-ACT135	1-10 1-10
■	A/C (R-12) Refrigerant Recovery/Recycling Station	U.L. listed, complying to UL1963 requirements and SAE J1991 (1989) standards, 4cfm or larger vacuum pump, measures the amount of refrigerate recovered and charged by weight.	ROB17700A	1-5
■	A/C (R-12 & R-134a) Refrigerant Leak Detector	Capable of detecting a leak of 1/2 ounce or less per year	YGK-H10PM	NPN*
	A/C Clutch Holder		KMT-J33939	1-11
■	A/C (R-134a) Refrigerant Recovery/Recycling Station	U.L. listed, complying to SAE J12210 (1991) standards, 4cfm or larger vacuum pump, measures the amount of refrigerate recovered and charged by weight.	ROB-34700	1-5
■	A/C Flushing Equipment		N/A	1-11
	Digital Pyrometer	Temperature range: - 40° to 230° F; sensitivity: 0.1 degree; accuracy: ±2 percent; update rate: every 15 seconds	SUN-TEMP1A	1-9
■	Thermistor Vacuum Gauge	Capable of detecting a minimum of 700 microns	SPO-VG60	1-7

### Engine Diagnostic/Electrical Test Equipment

✓	Item	Minimum Specification	Recommended Model	Catalog Page No.
	Ammeter	From 0 to 100 and 0 to 500 amp	SUN-MT952	2-9
	Antifreeze tester	With temperature correction scale	KMT-J23688	2-22
	Battery Charger (12 volts)	High-rate charger, 50 amp, with slow-charge capability, or additional slow charger	CAP-400QDD	2-16
	Battery/Starter/Charging System Tester	Bear A.R.B.S.T. Electrical System Tester; or JCI Battery Tester and a VAT 40, or equivalent	ADB-42-262-AH	2-15
	Cooling System Pressure Tester	Pump with gauge (0 to 1.2 kg/cm <sup>2</sup> , 0 to 19 psi); includes standard neck and cap adapters	STA-12270	2-21
	Cylinder Compression Gauge	From 0 to 15 kg/cm <sup>2</sup> (0 to 200 psi)	SUN-MT308L	2-19
	Cylinder Leak-Down Tester		KLI-AT1006	2-20
	Digital Multimeter	Minimum ranges: 1 millivolt to 400 volts DC 1 millivolt to 400 volts AC 0.1 ohm to 400 megohms 0.1 milliamp to 10 amps Diode testing capability 0.5 Hz to 200 kHz frequency testing (optional)	FLU-88	2-1
	Dwell Meter	From 0 to 90 degrees	N/A	—
■	Electronic Listening Tool	Chassis EAR™	JSP-SM65001	2-18
	Oil Pressure Gauge	From 0 to 5 kg/cm <sup>2</sup> (0 to 71 psi)	SUN-MT37A	2-19
	Oil Pressure Adapter	1/8 in. BSPT adapter	SUN-AT77	2-19

\*NPN (New Product Notice) – Filed in your Honda Tool and Equipment Catalog binder.

## Engine Diagnostic/Electrical Test Equipment

✓	Item	Minimum Specification	Recommended Model	Catalog Page No.
	PGM Tester Kit		VET01002505-305	NPN*
	PC Interface Cable	For PGM Tester	VET-01002832	NPN*
	Data Transfer Module	For PGM Tester	VET-01002330-005	NPN*
	Radiator Cap Adapter	32 mm I.D. by 16 mm depth	SUN-AST-FZ39	2-21
	Radiator Neck Adapters	32 mm I.D. by 16 mm depth 32 mm I.D. by 10 mm depth	SUN-SVT-262-28 SUN-AST-FZ138	2-21 2-21
	Smart Cable	—	—	N/A
■	Stethoscope	Equipped with sound-amplifying diaphragm and a 12-in. probe		N/A
	Strobe type timing light	Advance capacity, 0 to 50 degrees	SUN-MT1241	2-9
	Tachometer	From 0 to 6,000 rpm, in increments of 20 rpm.	SUN-MT2261A	2-9

## Lifting Equipment

✓	Item	Minimum Specification	Recommended Model	Catalog Page No.
	Auxiliary Under-hoist Utility Jack	3/4 ton capacity, minimum height 55-1/2 in., maximum height 78 in.	LSL-W93781	3-9
	Engine Hoist	Capable of lifting 1/2 ton	LSL-B67592	3-6
	Engine Stand/Adapter	750 lb. capacity	SUN-CES1B	3-6
	Floor Jack	2 tons capacity	LSL-W93642	3-8
	Hydraulic Lift Truck	750 lb. capacity, 22 in. deep by 30 in. wide platform	WCO-PL-54-2230	3-11
	Hydraulic Press	12 tons capacity	NUG-H20-6	3-10
	Jack Stands (2)	2 tons capacity each	LSL-W93505	3-10
	Transmission Adapter	—	OTC-OEM4182	3-7
	Transmission Jack	1/4 ton capacity.	LSL-W93714	3-7
	Vehicle Lift	Frame-contact hoist, 7,000 lb. capacity, arms must reach lift points of body; with rubber pads on the adapters to avoid underbody damage; equipped with lift pad adapters for Passport, minimum 4 in. high, maximum 5 in. high.	In-ground: ROT-SPOA7HA Above-ground: ROT-FP87H-RA	3-1

## Wheel, Brake, and Alignment Equipment

✓	Item	Minimum Specification	Recommended Model	Catalog Page No.
	ABS Diagnostic Kit	Use with the Honda PGM Tester. Replaces Honda ALB Checker 07HAJ-SG0010A or 07HAJ-SG1010B	VET01001961	NPN*
	Brake Bleeder Adapters, Clutch Bleeder Adapters	Seals to reservoir without crushing 72 mm I.D. 55 mm I.D. 54 mm I.D. Passport	PRP-ST80 PRP-ST81 PRP-ST82 PRP-ST47	4-19 4-19 4-19 4-19
	Brake/Clutch Assembly Washer	Meet OSHA standard for removing asbestos particles without suspending them in the air	CLA-BCE-350S	4-17
	Brake Drum Wear Gauge	6 in. to 15 in. range	CNT-CM6456A	6-16
	Brake Pedal Holder		SUN-B240A	4-13
	Brake Rotor Micrometer	0 to 25 mm, in 0.001 mm increments	FFL-74-811-000	6-16
	Diaphragm-type Brake Bleeder		BRN-G300A	4-18
	Disc Brake Lathe (on-car)	FRONT BRAKES: Front brake discs must be refinished on the vehicle per Service Bulletin 86-020, filed under Steering/Brakes/Suspension	KWI-108000501	4-14

\*NPN (New Product Notice) – Filed in your Honda Tool and Equipment Catalog binder.

## Wheel, Brake, and Alignment Equipment

✓	Item	Minimum Specification	Recommended Model	Catalog Page No.
	Brake Drum/Disc Lathe (bench-type)	REAR BRAKES: Rear brakes may be refinished off the vehicle with conventional disc/drum turning equipment	KWI-102000150	4-16
	Dynamic Wheel Balancer (on-car)	2,000 lb. axle weight capacity	PER-DAFB-10	4-9
	Dynamic Wheel Balancer (off-car)	Reads in grams, 1 gram in-balance measurement accuracy	HUN-DSP9002D	4-8
	Tire Changer	Rim-clamp style with protectors for alloy wheels	AMM-5065A HUN-TC3250DIS	4-12 4-11
	Tire Pressure Gauge	From 0 to 3.5 kg-cm <sup>2</sup> (0 to 50 psi)	SUN-YA206	4-13
	Tire Tread Depth Indicator	From 0 to 5/16 in.: increments of 1/32 in.	SUN-GA599	4-13
	Wheel Alignment Rack	Full 4-wheel alignment capability, four full-floating turning radius tables, or full-floating turning radius tables for the front and full-floating slip plates for the rear	HUN-209-71A	4-1
	Wheel Alignment System	Full 4-wheel alignment capability (reading 0 ± 1 degree)	HUN-611	4-6
	Sensors	—	HUN-DSP258	4-7

## Air, Lube, and Fuel Handling Equipment

✓	Item	Minimum Specification	Recommended Model	Catalog Page No.
	Oil Dispensing Unit	—	—	5-3 5-10
	Portable Gasoline Defueler/Refueler	30-gallon; meets all local and federal government safety and gasoline handling requirements	TEM-FM3000GH	5-15
	Portable Waste Oil Receptacle	16-gallon capacity, 14-in. telescoping funnel; overall extension, including drum - 68 in.	BDK-4110-003	5-10
	Waste Oil Receptacles (drain pans)	2-gallon capacity	SUN-CES4	3-6

## General Shop Equipment

✓	Item	Minimum Specification	Recommended Model	Catalog Page No.
	A/T Cooler Flusher	—	KMT-J38405-A	6-6
	Adjustable Piston Ring Compressor	Capacity, 100 mm (4 in.)	SUN-RC40C	6-5
	Air Hammer (heavy duty)	2,500 blows per minute	CHI-CP711	6-21
	Air Hose with Couplings	30 feet per stall	SUN-IM2006	6-27
	Bearing Separator	0 to 5.75 in. capacity	OTC-1124	6-9
	Bench Grinder	1/3 hp., 6 in. wheel diameter	WIL-152A	6-28
	Bench Vise	With 5-in. jaws, 2 to 5 in. opening capacity	WIL-1760	6-28
	Bore Gauge	10 to 100 mm	MIT-511-901	6-15
	Cylinder Cleaning Brush	Minimum capacity, 100 mm (4 in.), bottle brush style performs satisfactorily	N/A	—
	Cylinder Hone	Rigid type, 100 mm capacity (4 in.), with 400 and 600 grit honing stones	AMM-500	6-4
	Dial Indicator	0 to 10 mm, in 0.001 mm increments	FFL-52520300	6-18
	Dial Indicator Magnetic Stand	"On-Off" switch, capable of gripping flat or curved metal surfaces	FFL-72585010	6-18

## General Shop Equipment

✓	Item	Minimum Specification	Recommended Model	Catalog Page No.
	Disc Runout Joint Gauge	1 in. dial indicator, 0 to 25 mm range, 0.01 mm graduations; includes 12-1/2 in. flex arm with special locking pliers	FFL-72-520-717M	6-18
	Drill Bit Selection	From 1/16 in. to 1/2 in. in 1/64 in. increments, and from 0 to 13 mm in 0.5 mm increments	N/A	—
	Exhaust System (in-ground or overhead)	One outlet per service bay, 200 CFM per outlet	—	—
	• Oval Tailpipe Adapter	3 in. by 6-1/2 in. oval (dual) tailpipe adapter	HRV-HF477	6-32
	• "Y" Adapter Harness	Includes one 4 ft. and one 2 ft. hose section	HRV-H30-3-47	6-31
	• Round Tailpipe Adapter	3 in. straight tailpipe adapter for each two service bays	HRV-HF-300	6-32
	Flare Nut Wrench Selection	Four sizes: 10, 12, 14, and 17 mm	N/A	—
	Hand Drill Motor	Variable speed, air or electric: 3/8 in.	CHI-CP785	6-24
	Hand Impact Driver	—	N/A	—
	Headlight Aimer	Hoppy #1003 kit Hoppy #0203 adapters	HOP-1003B HOP-0203	6-10
	Hot Plate (Griddle)	12 in. by 21 in., temp. range 200° to 400°F	N/A	—
	Immobilizer Key Code Duplicator	Silca RW2	ILC-RW2H	NPN*
	Key Cutter Kit	Ilco #MK1-comp 1994 & 1995 Passport 45° Accessory Kit	ILC-MK1-COMP ILC-MK1D	6-12
	Micrometers	0 to 25 mm, 0.01 mm increments 25 to 50 mm, 0.01 mm increments 50 to 75 mm, 0.01 mm increments 75 to 100 mm, 0.01 mm increments	FFL-72-248-101 FFL-72-248-102 FFL-72-248-103 FFL-72-248-104	6-17
	Parts Washer	Recirculating type. NOTE: There is no EPA, OSHA, state, or locally approved aqueous parts cleaner at this time.	KFO-A35	6-37
	Pop Rivet Gun	—	N/A	—
	Pullers	Two-jaw puller Steering wheel puller: 1 to 2-3/4 in. (26-70 mm) Pitman arm puller: 3/4 in. by 16 in. by 16-7/8 in.	KMT-J21-834-4A OTC-1035 SUN-CJ119B	1-11 6-8 6-8
	Ridge Reamer	Minimum capacity, 100 mm (4 in.)	SUN-WR30A	6-3
	Screw Extractor Selection	From 3 mm to 13 mm sizes	N/A	—
	Shop Vacuum	Wet/dry, heavy duty model	DOY-705480	6-38
	Slide Hammers	3/8 in. -16 threaded. (Refer to October 1986 <i>ServiceNews</i> .) 5/8 in. -16 threaded, 5 lb weight	KMT-J6125-1B  OTC-1155	6-7  6-7
	Small Hole Gauge	6 to 8 mm, 5.8 to 8 mm	FFL-72472-104	6-19
	Socket Selection	From 6 mm to 24 mm, 32 mm sizes 34 mm 36 mm 40 mm, 50 mm 1/2 in. drive (female) to 3/4 in. drive (male) adapter	N/A SUN-IMM342 SUN-IMM362 N/A N/A	— 6-6 6-6 — —
	Spring Scales	1000 g capacity, 20 g graduation 6 kg capacity, 50 g graduation 2.5 kg capacity, 100 g graduation	SAM-IN-2MRP SAM-IN-12MRP SAM-IN-25MRP	6-20
	Tap and Die Selection	From 3 mm to 14 mm	SUN-TDM1117A SUN-TDM13A	6-28
	Thermometer	From 0° to 120° C (0° to 250° F)	SUN-TEMP1A	1-9
	Time Clock	In tenths of an hour	STR-1603-9101	6-39
	TORX® Driver Set	3/8 in. drive, tamper-resistant, T15, T25, T27 to T50	N/A	—

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## General Shop Equipment

✓	Item	Minimum Specification	Recommended Model	Catalog Page No.
	V-Blocks	4 in. and 5 in.	FFL-52-475-020	6-19
	Valve Guide Driver	5.5 mm	KLI-KL2991	6-3
	(Air Hammer Type)	6.0 mm 6.5 mm 7.0 mm 8.0 mm	KLI-KL2992 KLI-KL2993 KLI-KL3001 KLI-KL3002	6-3
	Valve Spring Compressor	Cylinder head not removed Cylinder head removed	SUN-YA9140 SUN-CF811	6-3
	Utility Lights	Fluorescent, reel-type, 25-ft. cord	NEL-20750	6-29
	Valve Seat Refacing Equipment	—	NWY-KA1802	6-1
	Vernier Calipers	0 to 200 mm	FFL72-058-008	6-17
	Wrench Selection, Combination Box end/Open end	From 6 mm to 24 mm	N/A	—

## Work Stall Equipment

✓	Item	Minimum Specification	Recommended Model	Catalog Page No.
	Flammables Storage Cabinet	65 in. high by 43 in. wide by 18 in. deep, with self-closing doors. Complies with local and federal government regulations. More than one cabinet may be needed, depending on quantity of chemicals to be stored.	LYO-5444	7-11
	Work Bench	Minimum one per stall or one per technician	SHU-010070	7-5