



XL 125 V₁

IMPORTANT SAFETY NOTICE

AWARNING

Indicates a strong possibility of severe personal injury or death if instructions are not followed.

CAUTION:

Indicates a possibility of equipment damage if instructions are not followed.

NOTE:

Gives helpful information.

Detailed descriptions of standard workshop procedures, safety principles and service operations are not included. It is important to note that this manual contains some warnings and cautions against some specific service methods which could cause PERSONAL INJURY to service personnel or could damage a vehicle or render it unsafe. Please understand that those warnings could not cover all conceivable ways in which service, whether or not recommended by Honda, might be done or of the possibly hazardous consequences of each conceivable way, nor could Honda investigate all such ways. Anyone using service procedures or tools, whether or not recommended by Honda, must satisfy himself thoroughly that neither personal safety nor vehicle safety will be jeopardized by the service methods or tools selected.

TYPE CODE

· Throughout this manual, the following addreviations are used to identify individual model.

CODE	AREA TYPE
ED	EUROPEAN DIRECT SALES
E	U.K.
F	FRANCE
SW	SWITZERLAND
IIG	GERMANY (TYPE II)

VARADERO 125 VALVE CLEARANCES

Remove fuel tank 2-8

Remove front inner fairing 2-6

Drain coolant 6-5

Remove radiator 6-8

Remove air cleaner housing 5-4

Remove cylinder head covers 9-5

CHECK CLEARANCES 3-8

Refit cylinder head covers 9-25

Refit air cleaner housing 5-4

Refit radiator 6-12

Refit front inner fairing 2-6

Refit fuel tank 2-8

Refill coolant and bleed system 6-6

HOW TO USE THIS MANUAL

This service manual describes the service procedures for the XL125V.

Follow the Maintenance Schedule (Section 3) recommendations to ensure that the vehicle is in peak operating condition.

Performing the first scheduled maintenance is very important. It compensates for the initial wear that occurs during the break-in period.

Sections 1 and 3 apply to the whole motorcycle. Section 2 illustrates procedures for removal/ installation of components that may be required to perform service described in the following sections. Sections 4 through 20 describe parts of the motorcycle, grouped according to location.

Find the section you want on this page, then turn to the table of contents on the first page of the section.

Most sections start with an assembly or system illustration, service information and troubleshooting for the section.

The subsequent pages give detailed procedure.

If you don't know the source of the trouble, go to section 21 Troubleshooting.

ALL INFORMATION, ILLUSTRATIONS, DIRECTIONS AND SPECIFICATIONS INCLUDED IN THIS PUBLICATION ARE BASED ON THE LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF APPROVAL FOR PRINTING. HONDA MOTOR CO., LTD. RESERVES THE RIGHT TO MAKE CHANGES AT ANY TIME WITHOUT NOTICE AND WITHOUT INCURRING ANY OBLIGATION WHATEVER. NO PART OF THIS PUBLICATION MAY BE REPRODUCED WITHOUT WRITTEN PERMISSION. THIS MANUAL IS WRITTEN FOR PERSONS WHO HAVE ACQUIRED BASIC KNOWLEDGE OF MAINTENANCE ON HONDA MOTORCYCLES, MOTOR SCOOTERS OR ATVS.

HONDA MOTOR CO., LTD. SERVICE PUBLICATION OFFICE

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	MAINTENANCE LUBRICATION SYSTEM FUEL SYSTEM COOLING SYSTEM ENGINE REMOVAL/INSTALLATION CLUTCH/GEARSHIFT LINKAGE CYLINDER HEAD/VALVE CYLINDER/PISTON CRANKCASE/TRANSMISSION/ CRANKSHAFT FRONT WHEEL/SUSPENSION/ STEERING REAR WHEEL/SUSPENSION BRAKE SYSTEM CHARGING SYSTEM/ALTERNATOR IGNITION SYSTEM ELECTRIC STARTER/ STARTER CLUTCH LIGHT/METER/SWITCHES WIRING DIAGRAM TROUBLESHOOTING

SYMBOLS

The symbols used throughout this manual show specific service procedures. If supplementary information is required pertaining to these symbols, it would be explained specifically in the text without the use of the symbols.

Replace the part(s) with new one(s) before assembly.
Use recommended engine oil, unless otherwise specified.
Use molybdenum oil solution (mixture of the engine oil and molybdenum grease in a ratio of 1:1).
Use multi-purpose grease (Lithium based multi-purpose grease NLGI #2 or equivalent).
Use molybdenum disulfide grease (containing more than 3% molybdenum disulfide, NLGI #2 or equivalent). Example: Molykote® BR-2 plus manufactured by Dow corning, U.S.A. Multi-purpose M-2 manufactured by Mitsubishi Oil, Japan
Use molybdenum disulfide paste (containing more than 40% molybdenum disulfide, NLGI #2 or equivalent). Example: Molykote® G-n Paste manufactured by Dow corning, U.S.A. Honda Moly 60 (U.S.A. only) Rocol ASP manufactured by Rocol Limited, U.K. Rocol Paste manufactured by Sumico Lubricant, Japan
Use silicone grease.
Apply a locking agent. Use a middle strength locking agent unless otherwise specified.
Appły sealant.
Use DOT 4 brake fluid. Use the recommended brake fluid unless otherwise specified.
Use Fork or Suspension Fluid.

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1. GENERAL INFORMATION

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GENERAL SAFETY

CARBON MONOXIDE

If the engine must be running to do some work, make sure the area is well ventilated. Never run the engine in an enclosed area.

AWARNING

The exhaust contains poisonous carbon monoxide gas that may cause loss of consciousness and may lead to death.

Run the engine in an open area or with an exhaust evacuation system in an enclosed area.

GASOLINE

Work in a well ventilated area. Keep cigarettes, flames or sparks away from the work area or where gasoline is stored.

A WARNING

Gasoline is extremely flammable and is explosive under certain conditions. KEEP OUT OF REACH OF CHILDREN.

HOT COMPONENTS

AWARNING

Engine and exhaust system parts become very hot and remain hot for some time after the engine is run. Wear insulated gloves or wait until the engine and exhaust system have cooled before handling these parts.

USED ENGINE OIL

A WARNING

Used engine oil may cause skin cancer if repeatedly left in contact with the skin for prolonged periods. Although this is unlikely unless you handle used oil on a daily basis, it is still advisable to thoroughly wash your hands with soap and water as soon as possible after handling used oil. KEEP OUT OF REACH OF CHILDREN.

BRAKE FLUID

CAUTION:

Spilling fluid on painted, plastic or rubber parts will damage them. Place a clean shop towel over these parts whenever the system is serviced. KEEP OUT OF REACH OF CHILDREN.

BATTERY HYDROGEN & ELECTROLYTE

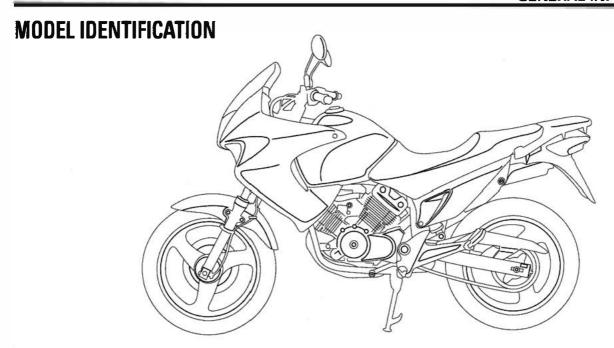
AWARNING

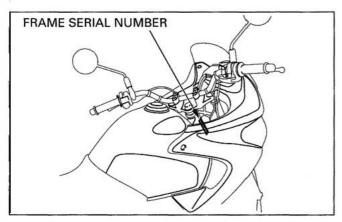
- The battery gives off explosive gases; keep sparks, flames and cigarettes away. Provide adequate ventilation when charging or using the battery in an enclosed space.
- The battery contains sulfuric acid (electrolyte).
 Contact with skin or eyes may cause severe burns.
 Wear protective clothing and a face shield.
 - If electrolyte gets on your skin, flush with water.
 - If electrolyte gets in your eyes, flush with water for at least 15 minutes and call a physician immediately.
- Electrolyte is poisonous.
 - If swallowed, drink large quantities of water or milk and follow with milk of magnesia or vegetable oil and call a physician. KEEP OUT OF REACH OF CHILDREN.

GENERAL INFORMATION

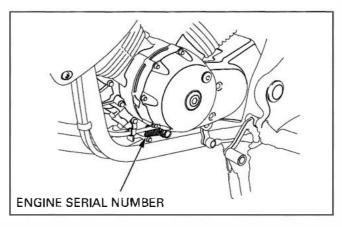
SERVICE RULES

- 1. Use genuine HONDA or HONDA-recommended parts and lubricants or their equivalents. Parts that do not meet HONDA's design specifications may damage the motorcycle.
- 2. Use the special tools designed for this product.
- 3. Use only metric tools when servicing this motorcycle. Metric bolts, nuts and screws are not interchangeable with English fasteners. The use of incorrect tools and fasteners may damage the motorcycle.
- 4. Install new gaskets, O-rings, cotter pins, lock plates, etc. when reassembling.
- 5. When tightening a series of bolts or nuts, begin with the larger-diameter of inner bolts first, and tighten to the specified torque diagonally, in incremental steps unless a particular sequence is specified.
- 6. Clean parts in cleaning solvent upon disassembly. Lubricate any sliding surfaces before reassembly.
- 7. After assembly, check all parts for proper installation and operation.
- 8. Route all electrical wires as show on pages 1- through 1-, Cable and Harness Routing.

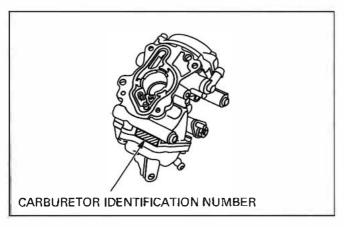




The frame serial number is stamped on the right side of the steering head.



The engine serial number is stamped on the left side of the crankcase.



The carburetor serial number is stamped on the left side of the carburetor body as shown.

GENERAL INFORMATION

SPECIFICATIONS

- GENERAL	ITEM		SPECIFICATIONS
DIMENSIONS	Overall length Overall width Overall height Wheelbase Seat height Ground clearance Dry weight Curb weight Maximum weight capacity		2,150 mm (84.6 in) 850 mm (33.5 in) 1,250 mm (49.2 in) 1,450 mm (57.1 in) 802 mm (31.6 in) 190 mm (7.5 in) 154 kg (339.5 lbs) 167 kg (368.2 lbs) 180 kg (396.8 lbs)
FRAME	Frame type Front suspension Front wheel travel Rear suspension Rear wheel travel Front tire size Rear tire size Front tire brand Rear tire brand Front brake Rear brake Caster angle Trail length Fuel tank capacity Fuel tank reserve capacity		Double cradle Telescopic fork 132 mm (5.2 in) Swingarm 150 mm (5.9 in) 100/90–18 56P 130/80–17 65P BRIDGESTONE, PIRELLI BRIDGESTONE, PIRELLI Hydraulic single disc Hydraulic single disc 28°00' 97 mm (3.8 in) 17.5 liter (4.62 US gal, 3.85 lmp gal) 2.0 liter (0.53 US gal, 0.44 lmp gal)
ENGINE	Bore and stroke Displacement Compression ratio Valve train Intake valve Exhaust valve Lubrication system Oil pump type Cooling system Air filtration Engine dry weight	opens closes opens closes	42.0 x 45.0 mm (1.65 x 1.77 in) 125 cm³ (7.6 cu in) 11.8 : 1 Silent multi-link chain driven SOHC with rocker arms 6° BTDC 24° ABDC 31° BBDC 9° ATDC Forced pressure (dry sump) Trochoid Liquid cooled Viscous paper element 40.5 kg (89.29 lbs)

GENERAL	ITEM		SPECIFICATIONS
CARBURETOR	Carburetor Type Throttle bore		CV (Constant Velocity) dual carburetor 22 mm (0.9 in)
DRIVE TRAIN	Clutch system Clutch operation system Transmission Primary reduction Final reduction Gear ratio Gearshift pattern	1st 2nd 3rd 4th 5th	Multi-plate, wet Mechanical type Constant mesh, 5-speed 3.722 (67/18) 3.142 (44/14) 3.083 (37/12) 1.933 (29/15) 1.428 (30/21) 1.173 (27/23) 1.000 (25/25) Left foot operated return system, 1-N-2-3-4-5
ELECTRICAL	Ignition system Starting system Charging system Regulator/rectifier Lighting system		Full transistor digital ignition Electric starter motor Triple phase output alterator SCR shorted/triple phase, full wave rectification Battery

Unit: mm (in) - LUBRICATION SYSTEM ITEM **STANDARD SERVICE LIMIT** Engine oil capacity at draining 1.1 liter (1.2 US qt, 1.0 imp qt) at disassembly 1.5 liter (1.6 US qt, 1.3 lmp qt) 1.2 liter (1.3 US qt, 1.1 Imp qt) at filter change HONDA 4-stroke oil or equivalent Recommended engine oil motor oil API service classification SE, SF or SG Viscosity: SAE 10W - 40 Tip clearance 0.15 (0.006) 0.20 (0.008) Oil pump rotor

0.15 - 0.21 (0.006 - 0.008)

0.03 - 0.11(0.001 - 0.004)

0.25 (0.010)

0.15 (0.006)

Body clearance

Side clearance

- FUEL SYSTEM ITEM Carburetor identification number		SPECIFICATIONS	
		VPU 2A	
Main jet	Front	#82	
	Rear	#88	
Slow jet		#38	
Jet needle number	Front	C12A	
	Rear	C12B	
Pilot screw	Initial/final opening	See page 5-18	
Float level		13.7 mm (0.54 in)	
Base carburetor (for synch	ronization)	Front cylinder (#2)	
Idle speed		1,500 ± 100 min ⁻¹ (rpm)	
PAIR control valve specified vacuum		280 mm Hg (11.02 in Hg)	
Throttle grip free play		2 – 6 mm (1/16 – 1/4 in)	

1.03 liter (1.08 US qt, 0.95 Imp qt)
0.24 liter (0.25 LIS at 0.21 lmp at)
0.24 liter (0.25 US qt, 0.21 Imp qt)
108 kpa (1.1 kgf/cm², 16 psi)
81 – 84°C (178 – 183°F)
95°C (203°F)
4.5 mm (0.18 in) minimum
50% mixture with soft water

19.94 (0.785)

Unit: mm (in) - CLUTCH SYSTEM/GEARSHIFT LINKAGE STANDARD **SERVICE LIMIT** Clutch lever free play 10 - 20 (3/8 - 13/16) Clutch spring free length 42.1 (1.66) 41.2 (1.62) Clutch disc thickness 2.92 - 3.08 (0.115 - 0.121) A 2.6 (0.10) В 2.92 - 3.08 (0.115 - 0.121) 2.6 (0.10) 0.30 (0.012) Clutch plate warpage I.D. 20.010 - 20.035 (0.7878 - 0.7888) Clutch outer guide 20.05 (0.789) O.D. 25.959 - 25.980 (1.0220 - 1.0228) 25.94 (1.021)

19.959 - 19.980 (0.7858 - 0.7866)

Mainshaft O.D. at clutch outer guide

ITEM			STANDARD	SERVICE LIMIT
Cylinder compression Cylinder head warpage			1,304 kPa (13.3 kgf/cm², 189 psi) at 500 min-1 (rpm)	0.05 (0.002)
			_	
Valve, valve	Valve clearance	IN	0.15 ± 0.02 (0.006 ± 0.001)	
guide		EX	0.24 ± 0.02 (0.009 ± 0.001)	
	Valve stem O.D.	IN	4.975 - 4.990 (0.1959 - 0.1965)	4.965 (0.1955)
		EX	4.955 – 4.970 (0.1951 – 0.1957)	4.945 (0.1947)
	Valve guide I.D.	IN	5.000 - 5.012 (0.1969 - 0.1973)	5.03 (0.198)
		EX	5.000 - 5.012 (0.1969 - 0.1973)	5.03 (0.198)
Valve guide cylinder head	Stem-to-guide clearance	IN	0.010 - 0.037 (0.0004 - 0.0015)	0.065 (0.0026)
		EX	0.030 - 0.057 (0.0012 - 0.0022)	0.085 (0.0033)
	Valve guide projection above	IN	12.10 (0.476)	_
	cylinder head	EX	12.10 (0.476)	_
	Valve seat width	IN/EX	0.90 - 1.10 (0.035 - 0.043)	1.5 (0.06)
Valve spring f	ree length	IN	38.00 (1.496)	36.5 (1.44)
		EX	38.00 (1.496)	36.5 (1.44)
Camshaft	Cam lobe height	IN	28.8527 - 29.0927 (1.13593 - 1.14538)	28.82 (1.135)
		EX	28.8849 - 29.1249 (1.13720 - 1.14665)	28.85 (1.136)
	Runout		0.030 (0.0012)	0.050 (0.0020)
Identification marks			Front "F"/Rear "R"	89
Rocker arm I.I	D.	IN/EX	10.000 – 10.015 (0.3937 – 0.3943)	10.05 (0.396)
Rocker arm st	naft O.D.	IN/EX	9.972 - 9.987 (0.3926 - 0.3932)	9.92 (0.391)
Rocker arm-to-rocker arm shaft clearance			0.013 - 0.043 (0.0005 - 0.0017)	0.10 (0.004)

	ITEM		STANDARD	SERVICE LIMIT
Cylinder	I.D.		42.00 - 42.01 (1.654 - 1.654)	42.10 (1.657)
	Out of round			0.06 (0.002)
	Taper			0.06 (0.002)
	Warpage			0.05 (0.002)
Piston,	Piston mark direction		"IN" mark facing toward the intake side	2
piston rings	Piston O.D.		41.97 - 41.99 (1.652 - 1.653)	41.90 (1.650)
	Piston O.D. measurement point		14.0 (0.55) from bottom of skirt	_
	Piston pin bore I.D.		13.002 – 13.008 (0.5119 – 0.5121)	13.04 (0.513)
	Piston pin O.D.		12.994 - 13.000 (0.5116 - 0.5118)	12.98 (0.511)
	Piston-to-piston pin clearance		0.002 - 0.014 (0.0001 - 0.0006)	0.04 (0.002)
	Piston ring-to-ring	Тор	0.015 - 0.05 (0.0006 - 0.002)	0.080 (0.0031)
	groove clearance	Second	0.015 - 0.05 (0.0006 - 0.002)	0.080 (0.0031)
	Piston ring end gap	Тор	0.05 - 0.15 (0.002 - 0.006)	0.30 (0.012)
		Second	0.20 - 0.35 (0.008 - 0.014)	0.50 (0.020)
		Oil (side rail)	0.10 - 0.60 (0.004 - 0.024)	0.80 (0.031)
	Piston ring mark	Тор	"R" mark	_
		Second	"RN" mark	_
Cylinder-to-pi	ston clearance		0.010 - 0.040 (0.0004 - 0.0016)	0.10 (0.004)
Connecting ro	d small end I.D.		13.016 - 13.034 (0.5124 - 0.5131)	13.044 (0.5135)
Connecting ro	d-to-piston pin clearance		0.010 - 0.040 (0.0004 - 0.0016)	0.06 (0.002)

0.05 (0.002)

Unit: mm (in) - CRANKCASE/TRANSMISSION/CRANKSHAFT **STANDARD** SERVICE LIMIT 23.000 - 23.021 (0.9055 - 0.9063) **Transmission** Gear I.D. M4, M5, C1, C2 23.04 (0.907) 25.020 ~ 25.041 (0.9850 - 0.9859) C3 25.06 (0.987) Bushing O.D. M4, M5, C1, C2 22.959 - 22.980 (0.9039 - 0.9047) 22.94 (0.903) 24.979 - 25.000 (0.9834 - 0.9843) 24.96 (0.983) Bushing I.D. M4 20.020 - 20.041 (0.7882 - 0.7890) 20.06 (0.790) C1 18.000 - 18.018 (0.7087 - 0.7094) 18.04 (0.710) C2 20.000 - 20.021 (0.7874 - 0.7882) 20.04 (0.789) C3 22.04 (0.868) 22.000 ~ 22.021 (0.8661 - 0.8670) M4, M5, 0.10 (0.004) Gear-to-bushing 0.020 - 0.062 (0.0008 - 0.0024)clearance C1, C2, C3 19.94 (0.785) Mainshaft O.D. M4 bushing 19.959 - 19.980 (0.7858 - 0.7866) Countershaft O.D. 17.966 - 17.984 (0.7073 - 0.7080) 17.95 (0.707) C1 bushing 19.974 - 19.987 (0.7864 - 0.7869) 19.95 (0.785) C2 bushing C3 bushing 21.959 - 21.980 (0.8645 - 0.8654) 21.94 (0.864) **M4** 0.040 - 0.082 (0.0016 - 0.0032)0.10 (0.004) Bushing-to-shaft 0.08 (0.003) clearance C1 0.016 - 0.052 (0.0006 - 0.0020) C2 0.013 - 0.047 (0.0005 - 0.0019)0.08 (0.003) C3 0.020 - 0.062 (0.0008 - 0.0024)0.09 (0.004) LD. 12.000 - 12.018 (0.4724 - 0.4731) 12.03 (0.474) Shift fork 4.9 (0.19) Claw thickness 4.930 - 5.000 (0.1941 - 0.1969) Shift fork shaft O.D. 11.957 - 11.968 (0.4707 - 0.4712) 11.95 (0.470) Shift drum O.D. (at left side journal) 13.966 ~ 13.984 (0.5498 - 0.5506) 13.94 (0.549) 0.05 - 0.70 (0.002 - 0.028)Crankshaft Connecting rod big end side clearance 0.80 (0.031) Connecting rod big end radial clearance 0.020 (0.0008)

Runout

Steering head bearing pre-load

Unit: mm (in) FRONT WHEEL/SUSPENSION/STEERING **STANDARD** SERVICE LIMIT Minimum tire tread depth 1.5 (0.06) Cold tire pressure **Driver only** 200 kPa (2.0 kgf/cm², 29 psi) Driver and passenger 200 kPa (2.0 kgf/cm², 29 psi) Axle runout 0.20 (0.008) Wheel rim runout Radial 1.0 (0.04) Axial 1.0 (0.04) Wheel balance weight 60 g (2.1 oz) max. Fork 470.6 (18.53) Spring free length 461 (18.15) Tube runout 0.20 (0.008) Recommended fluid Fork fluid Fluid level 117 (4.6) Fluid capacity $346 \pm 2.5 \text{ cm}^3 (11.7 \pm 0.08 \text{ US oz,}$ $12.2 \pm 0.09 \text{ lmp oz}$

- REAR WHEEL/S	LISPENSION		Unit: mm {in	
ITEM Minimum tire tread depth		STANDARD	2.0 (0.08)	
		_		
Cold tire pressure	Driver only	200 kPa (2.0 kgf/cm², 29 psi)		
	Driver and passenger	225 kPa (2.25 kgf/cm², 33 psi)		
Axle runout		-	0.20 (0.008)	
Wheel runout	Radial	_	1.0 (0.04)	
	Axial		1.0 (0.04)	
Wheel balance weight		_	60 g (2.1 oz) max	
Drive chain slack		25 – 35 (1 – 1 3/8)	60 (2 3/8)	
Drive chain link		110	_	
Drive chain size	DID	520V6	_	
	RK	520 SMOZ2	_	
	REGINA	135 ORNV2		

0.10 - 0.15 kgf (0.220 - 0.330 lbf)

Jnit: mm (in)

(TEM		STANDARD	SERVICE LIMIT
Front	Specified brake fluid	DOT3 or DOT4	_
	Brake pad wear indicator		To groove
	Brake disc thickness	3.8 - 4.2 (0.15 - 0.17)	3.5 (0.13)
	Brake disc runout		0.1 (0.004)
	Master cylinder I.D.	11.000 - 11.043 (0.4331 - 0.4348)	11.055 (0.4352)
	Master piston O.D.	10.957 - 10.984 (0.4314 - 0.4324)	10.945 (0.4309)
	Caliper cylinder I.D.	25.400 - 25.450 (1.0000 - 1.0020)	25.460 (1.0024)
	Caliper piston O.D.	25.335 – 25.368 (0.9968 – 0.9987)	25.31 (0.996)
Rear	Specified brake fluid	DOT3 or DOT4	_
	Brake pad wear indicator	-	To groove
	Brake disc thickness	3.8 - 4.2 (0.15 - 0.17)	3.5 (0.13)
	Brake disc runout		0.1 (0.004)
	Master cylinder I.D.	12.700 - 12.743 (0.5000 - 0.5017)	12.755 (0.5022)
	Master piston O.D.	12.657 12.684 (0.4983 0.4994)	12.654 (0.4978)
	Caliper cylinder I.D.	32.030 - 32.080 (1.2610 - 1.2630)	32.090 (1.2634)
	Caliper piston O.D.	31.948 - 31.998 (1.2578 - 1.2598)	31.94 (1.257)

	ITEM		SPECIFICATIONS	
Battery	Capacity		12 V – 6 Ah	
	Current leakage		1.0 mA max	
	Voltage (20°C/68°F)	Fully charged	13.0 – 13.2 V	
		Needs charging	Below 12.3 V	
	Charging current	Normal	0.6 A/5 – 10 h	
	Quick		3.0 A/1 h max	
Alternator	Capacity		260 W/5,000 min ⁻¹ (rpm)	
	Charging coil resistance (20°C/68°F)		0.1 – 0.5 Ω	

- IGNITION SYSTEM			Unit: mm	
ITEM		SPECIF	CATIONS	
Spark plug		NGK	DENSO	
	Standard	CR8EH-9 (NGK)	U24FER-9 (DENSO)	
Spark plug gap		0.8 – 0.9 mm (0.031 – 0.035 in)		
Ignition coil prima	ry peak voltage	100 V minimum		
Ignition pulse gene	erator peak voltage	0.7 V r	minimum	
Ignition timing "F" mark		12° ± 1° BTDC at 1,500 ± 100 min-1 (rpm)		
Full advance		BTDC 38°		

- ELECTRIC STARTER/STARTER CLUTCH - ITEM	STANDARD	SERVICE LIMIT
Starter motor brush length	10.00 - 10.05 (0.394 - 0.396)	3.5 (0.14)
Starter clutch gear O.D.	45.657 - 45.673 (1.7975 - 1.7981)	45.64 (1.797)
Starter clutch outer I.D.	62.317 - 62.347 (2.4534 - 2.4546)	62.33 (2.454)

	/METERS/SWITCHES	SPECIFICATIONS
Bulbs	Headlight (High/low beam)	12 V - 35/35 W x 2
	Position light	12 V – 5 W x 2
	Brake/tail/license light	12 V 21/5 W
	Front turn signal light	12 V 10 W x 2
	Rear turn signal light	12 V – 10 W x 2
	Instrument light	12 V – 1.7 W × 3
	Turn signal indicator	12 V – 2 W x 2
	High beam indicator	12 V – 1.2 W
	Neutral indicator	12 V – 2 W
	Temp indicator	12 V – 1.7 W
Fuse	Main fuse	30 A
	Sub fuse	10 A x 5
Thermo	OFF → ON	112 - 118°C (234 - 444°F)
switch	ON → OFF	Below 108°C (226°F)

TORQUE VALUES

STANDARD

FASTENER TYPE	TORQUE N·m (kgf·m, lbf·ft)	FASTENER TYPE	TORQUE N·m (kgf·m, lbf·ft)
5 mm bolt and nut	5 (0.5, 3.6)	5 mm screw	4 (0.4, 2.9)
6 mm bolt and nut (Include SH	10 (1.0, 7)	6 mm screw	9 (0.9, 6.5)
flange bolt)		6 mm flange bolt and nut (Include	12 (1.2, 9)
8 mm bolt and nut	22 (2.2, 16)	NSHF)	
10 mm bolt and nut	34 (3.5, 25)	8 mm flange bolt and nut	26 (2.7, 20)
12 mm bolt and nut	54 (5.5, 40)	10 mm flange bolt and nut	39 (4.0, 29)

Torque specifications listed below are for important fasteners.

Others should be tightened to standard torque values listed above.

NOTES: 1. Apply sealant to the threads.

- 2. Apply locking agent to the threads.
- 3. Apply molybdenum disulfide oil to the threads and flange surface.
- 4. Left hand threads.
- Stake.
 Apply oil to the threads and flange surface.
 Apply clean engine oil to the O-ring.
 UBS bolt.

- 9. U-nut.
- 10. ALOC bolt.

ENGINE ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N·m (kgf·m, lbf·ft)	REMARKS
MAINTENANCE:				
Spark plug	2	10	12 (1.2, 9)	
Crankshaft hole cap	1	30	15 (1.5, 11)	
Timing hole cap	1 1	14	10 (1.0, 7)	
Valve adjusting screw lock nut	4	14 6 12	17 (1.7, 12)	NOTE 6
Oil drain bolt	1	12	25 (2.5, 18)	
LUBRICATION SYSTEM:				
Oil pump mounting bolt	2	6	14 (1.4, 10)	
FUEL SYSTEM:				
Caburetor insutator band screw	4	5	5 (0.5, 3.6)	
PAIR check valve cover bolt	4	5 5	5 (0.5, 3.6)	
COOLING SYSTEM:			5,13,5,5,5	
Water pump drain bolt	1 1	10	13 (1.3, 9)	
Water pump impeller	1 1	10 7 3	12 (1.2, 9)	
Cooling fan nut	1	3	1 (0.1, 0.7)	NOTE 2
ENGINE REMOVAL/INSTALLATION:				
Drive sprocket setting plate bolt	2	6	12 (1.2, 9)	
CLUTCH/GEARSHIFT LINKAGE:	-		1 11117 07	
Clutch center lock nut	1 1	16	108 (11, 80)	NOTE 5, 6
Clutch pressure plate bolt	5	6	12 (1.2, 9)	
Gear shift stopper arm pivot bolt	1	6 6 8	12 (1.2, 9)	NOTE 6
Gear shift cam plate bolt	1 1	8	23 (2.3, 17)	NOTE 2

GENERAL INFORMATION

- ENGINE (Cont'd)	QTY	THREAD DIA. (mm)	TORQUE N-m (kgf-m, lbf-ft)	REMARKS
CYLINDER HEAD/VALVE:				
Cylinder head side cover bolt	4	6	10 (1.0, 7)	
Cylinder head cover bolt	8	6	10 (1.0, 7)	
Cam sprocket bolt	4	7	20 (2.0, 14)	NOTE 2
Cylinder head flange nut: 8 mm (0.3 in)	8	8	32 (3.3, 24)	NOTE 6
6 mm (0.2 in)	4	6 .	12 (1.2, 9)	NOTE 6
Camshaft holder bolt	12	6	12 (1.2, 9)	
Rocker arm shaft bolt	4	5	5 (0.5, 3.6)	
Cam chain tensioner lifter bolt	4	6	12 (1.2, 9)	
Cam chain tensioner lifter plug	2	6	4 (0.4, 2.9)	
CRANKCASE/TRANSMISSION/CRANKSHAFT:				
Mainshaft bearing setting plate bolt	2	6	10 (1.0, 7)	
Shift drum bearing setting plate bolt	2	6	10 (1.0, 7)	NOTE 2
CHARGING SYSTEM/ALTERNATOR:				
Flywheel nut	1	12	64 (6.5, 47)	NOTE 6
Stator mounting bolt	3	6	12 (1.2, 9)	
Ignition pulse generator mounting bolt	2	5	5 (0.5, 3.6)	
Stator/Ignition pulse generator wire clamp bolt IGNITION SYSTEM:	1	5	5 (0.5, 3.6)	
Engine coolant temperature (ECT) sensor	1	12	23 (2.3, 17)	
ELECTRIC STARTER/STARTER CLUTCH:				
Starter motor terminal nut	1	6	12 (1.2, 9)	
Starter motor front cover bolt	2	5	5 (0.5, 3.6)	
Primary drive gear lock nut	1	16	88 (9.0, 65)	NOTE 6
OTHERS:				
Neutral switch	1	10	12 (1.2, 9)	
Neutral switch terminal nut	1	4	2 (0.2, 1.4)	

FRAME ITEM	Q'TY	THREAD DIA. (mm)	TORQUE N-m (kgf-m, lbf-ft)	REMARKS
FRAME/BODY PANELS/EXHAUST SYSTEM:				
Muffler band bolt	1 1	8	20 (2.0, 14)	
Exhaust pipe joint nut	4	8	18 (1.8, 13)	
Muffler mounting bolt	2	8	32 (3.3, 24)	
ENGINE REMOVAL/INSTALLATION:				
Front engine mounting nut	1	10	39 (4.0, 29)	
Rear upper engine mounting nut	1 1	10	39 (4.0, 29)	
Rear lower engine mounting nut	2	10	39 (4.0, 29)	
Engine hanger bracket bolt	1 1	8	18 (1.8, 13)	
FRONT WHEEL/SUSPENSION/STEERING:				
Fork bolt	2	28	22 (2.2, 16)	
Fork socket bolt	2	8	20 (2.0, 14)	NOTE 2
Handlebar holder bolt	4	8	24 (2.4, 17)	
Steering stem nut	1 1	24	103 (10.5, 76)	
Steering top thread	1 1	26	See page 12-26	
Top bridge pinch bolt	2	8	26 (2.7, 20)	
Bottom bridge pinch bolt	4	8	34 (3.5, 25)	
Front axle bolt	1	14	66 (6.7, 48)	
Front axle pinth bolt	1 1	8	22 (2.2, 16)	
Front brake disc bolt	4	8 5	42 (4.3, 31)	NOTE 10
Throttle housing screw		5	4 (0.4, 2.9)	

FRAME (Cont'd) ————————————————————————————————————	QTV	THREAD DIA. (mm)	TORQUE N.m (kgf.m, lbf.ft)	REMARKS
REAR WHEEL/SUSPENSION:				
Rear axle nut	1	14	88 (9.0, 65)	NOTE 9
Driven sprocket nut	6	10	64 (6.5, 47)	NOTE 9
Rear brake disc bolt	4	8	42 (4.3, 31)	NOTE 10
Shock absorber upper mounting nut	1	10	44 (4.5, 33)	NOTE 9
Shock absorber lower mounting nut	1	10	44 (4.5, 33)	
Swingarm pivot nut	1	14	88 (9.0, 65)	NOTE 9
Chain slider screw	2	5	3 (0.3, 2.2)	
Chain adjuster lock nut	2	6	10 (1.0, 7)	
BRAKE SYSTEM:				
Front brake oil bolt	2	10	34 (3.5, 25)	
Front master cylinder holder bolt	2	6	12 (1.2, 9)	
Front master cylinder cover screw	2	4	2 (0.2, 1.4)	
Front brake light switch screw	1 1	4	1 (0.1, 0.7)	
Brake lever pivot nut	1	6	6 (0.6, 4.3)	
Brake lever pivot bolt	1 1	6	1 (0.1, 0.7)	
Front brake caliper mounting bolt	1	8	30 (3.1, 22)	NOTE 10
Front caliper pin bolt (main)	1 1	8	18 (1.8, 13)	
Front caliper pin bolt (sub)	1 1	8	23 (2.3, 17)	
Front caliper pad pin	1	10	18 (1.8, 13)	
Front caliper pad pin plug	1	10	2 (0.2, 1.4)	
Rear brake reservoir tank bolt	1	6	12 (1.2, 9)	
Rear brake oil boit	2	10	34 (3.5, 25)	
Rear master cylinder mounting bolt	2	6	12 (1.2, 9)	
Rear master cylinder push rod nut	1	8	17 (1.7, 12)	
Rear master cylinder cover screw	2	4	2 (0.2, 1.4)	
Rear caliper pin bolt	1	8	17 (1.7, 12)	
Rear caliper pad pin	1	10	17 (1.7, 12)	
Rear caliper pad pin plug	1	10	2 (0.2, 1.4)	
LIGHTS/METERS/SWITCHES:				
Thermo switch	1	16	18 (1.8, 13)	
OTHER FASTENERS:				
Side stand pivot bołt	1	10	10 (1.0, 7)	
Side stand lock nut	1	10	29 (3.0, 22)	NOTE 9
Side stand switch bolt	1	6	10 (1.0, 7)	

TOOLS

NOTES: 1. Alternative tool.

2. Newly provided tool.

DESCRIPTION	TOOL NUMBER	REMARKS	REF.SEC.
Attachment, 22 x 24 mm	07746-0010800		13
Attachment, 24 x 26 mm	07746-0010700		6
Attachment, 28 x 30 mm	07746-1870100		8
Attachment, 32 x 35 mm	07746-0010100		11, 13,6
Attachment, 42 x 47 mm	07746-0010300		11, 12, 13
Bearing installer 37.42	07XMF-KGB0100		11
Bearing installer 37.5	07XMF-KGB0200		11
Bearing remover head	07746-0050400		12, 13
Bearing remover head	07936-GE00200		6
Bearing remover head	07936-KC10200		11
Bearing remover shaft	07936-GE00100		6
Bearing remover shaft	07936-KC10100		11
Bearing remover shaft	07746-0050100		12, 13
Bearing remover weight	07741-0010201		11
Carburetor float level gauge	07401-0010000		5
Clutch center holder	07724-0050002		8
Crank shaft assembly collar	07965-VM00100		11
Crank shaft assembly shaft	07965-VM00200		11
Driver	07749-0010000		6, 8, 11, 12, 13
Driver shaft	07946-MJ00100		13
Flywheel holder	07725-0040000		15
Flywheel puller	07KMC-HE00100		15
Fork seal driver body	07747-0010100		12
Fork seal driver attachment	07947-KA20200		12
Gear holder	07724-0010200		17
Mechanical seal driver attachment	07945-4150400		6
Mechanical seal driver	07PMD-KBP0100		11
Peak voltage adapter	07HGJ-0020100		16
Pilot, 10 mm	07746-0040100		6
Pilot, 12 mm	07746-0040200		8
Pilot, 15 mm	07746-0040300		11, 12, 13
Pilot, 17 mm	07746-0040400		11
Pilot, 20 mm	07746-0040500		11
Pilot, 25 mm	07746-0040600		11
Pilot screw wrench	07908-4730002		5
Plate, 200 x 300 x 20	07XMF-KGB0300		11
Snap ring pliers	07914-SA50001		14
Driver handle	07953-MJ10200		12
Steering stem driver	07946-MB00000		12
Driver attachment	07953-MJ10100		12
Steering stem cap nut wrench	07716-0020400		12
Steering stem socket wrench	07916-3710101		12
Universal bearing puller	07631-0010000		11
Vacuum gauge attachment	07510-3000100		3
Valve guide driver, 5 mm	07942-MA60000		9

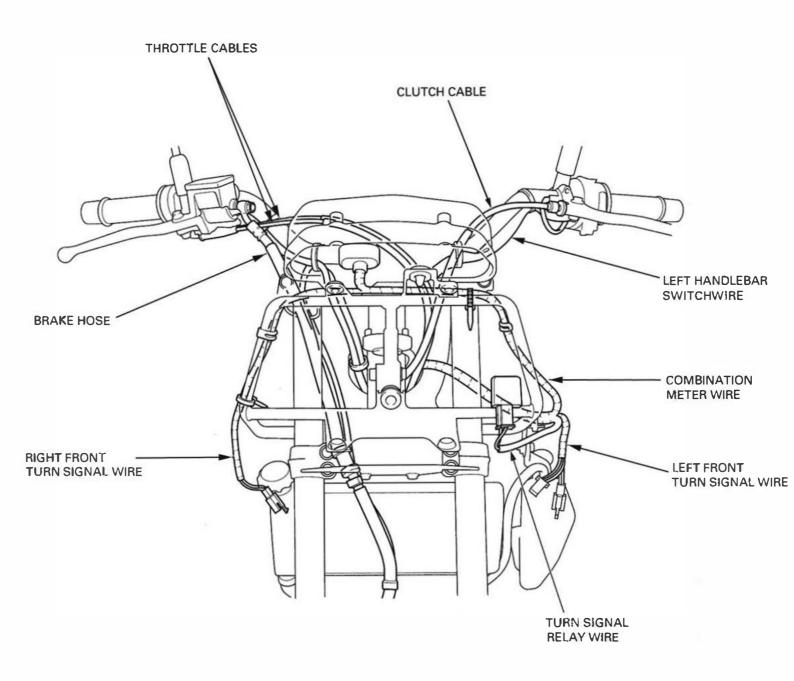
DESCRIPTION	TOOL NUMBER	REMARKS	REF.SEC.
Valve guide reamer	07984-MA60001		9
Valve spring compressor	07757-0010000		9
Valve spring compressor attachment	07959-KM30101		9
Valve seat cutter			
Seat cutter, 24.5 mm (45° IN)	07780-0010100		9
Seat cutter, 22 mm (45° EX)	07780-0010701		9
Flat cutter, 25 mm (32° IN)	07780-0012000		9
Flat cutter, 22 mm (32° EX)	07780-0012601		9
Interior cutter, 22 mm (60° IN/EX)	07780-0014202		9
Cutter holder, 5 mm	07781-0010400		9

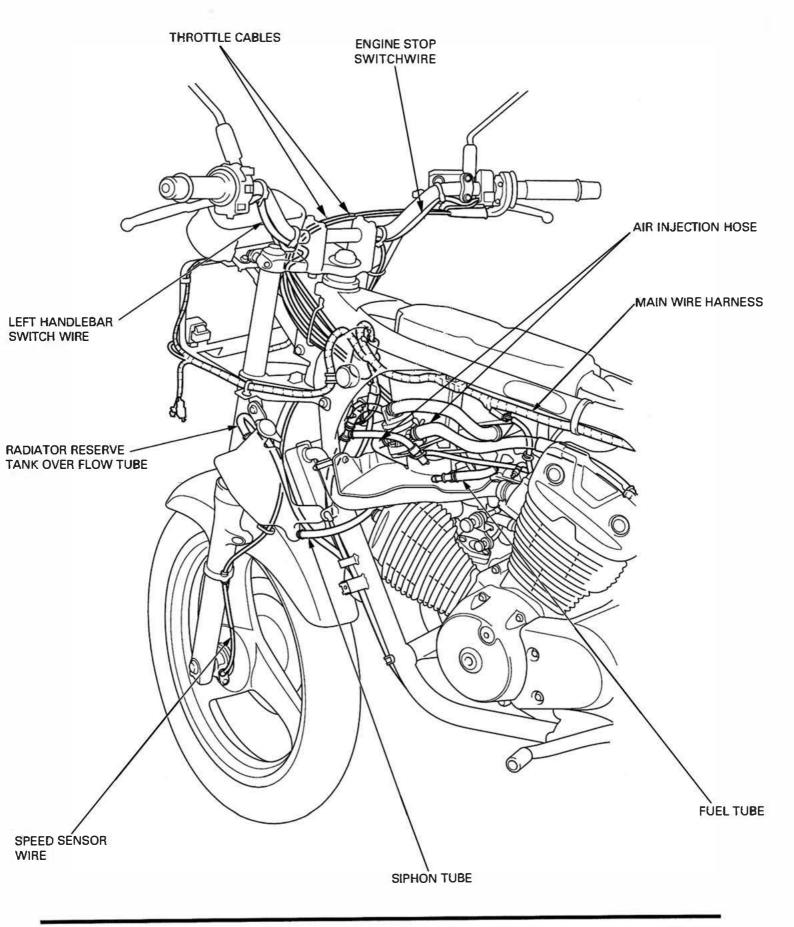
LUBRICATION & SEAL POINTS

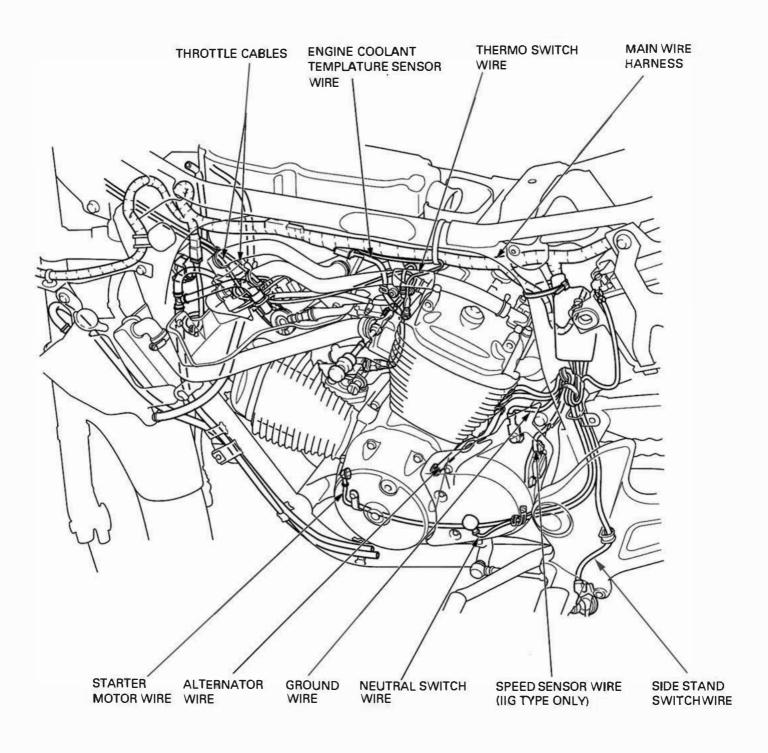
LOCATION	MATERIAL	REMARKS
Camshaft camsurf/journals Valve stem (valve guide sliding surface)/stem end Rocker arm slipper surface Rocker arm shaft sliding surface Connecting rod small end inner surface Clutch outer sliding surface M-3, C-4, C-5 gear (shift fork grooves) Clutch outer guide surface Gear (engaging and bearing portion) Piston pin outer surface Gear shift fork inner surface and shaft	Molybdenum disulfide oil (a mixture of 1/2 engine oil and 1/2 molybdenum disulfide grease)	
Piston pin hole and outer cylindrical surface Piston ring whole surface Primary drive gear lock nut threads and seating surface Flywheel lock nut threads and seating surface Clutch disk lining surface Cylinder stud bolt threads Valve adjusting nut threads Cam chain whole surface Connecting rod bearing surface Clutch center lock nut threads and seating surface Oil pump inner rotor Cylinder inner surface Camshaft holder bolt threads and seating surface Clutch lifter piece outer surface Clutch lifter arm shaft outer surface Starter clutch sliding area Each ball/needle bearing sliding area Each O-ring Gearshift spindle shaft outer surface Oil strainer screen rubber frame Scavenging pipe rubber parts	Engine oil	
Thermo switch threads Alternator and ignition pulse generator grommets Water pump mechanical seal flange Cam chain tensioner tighting bolt threads	Sealant Locking agent	
Gearshift cam plate bolt threads Mainshaft bearing set plate bolt threads Gearshift drum bearing set plate bolt threads Fan motor shaft threads Cam sprocket bolt threads	Econing agent	
Cylinder head cover gasket	Honda Bond A or equivalent	

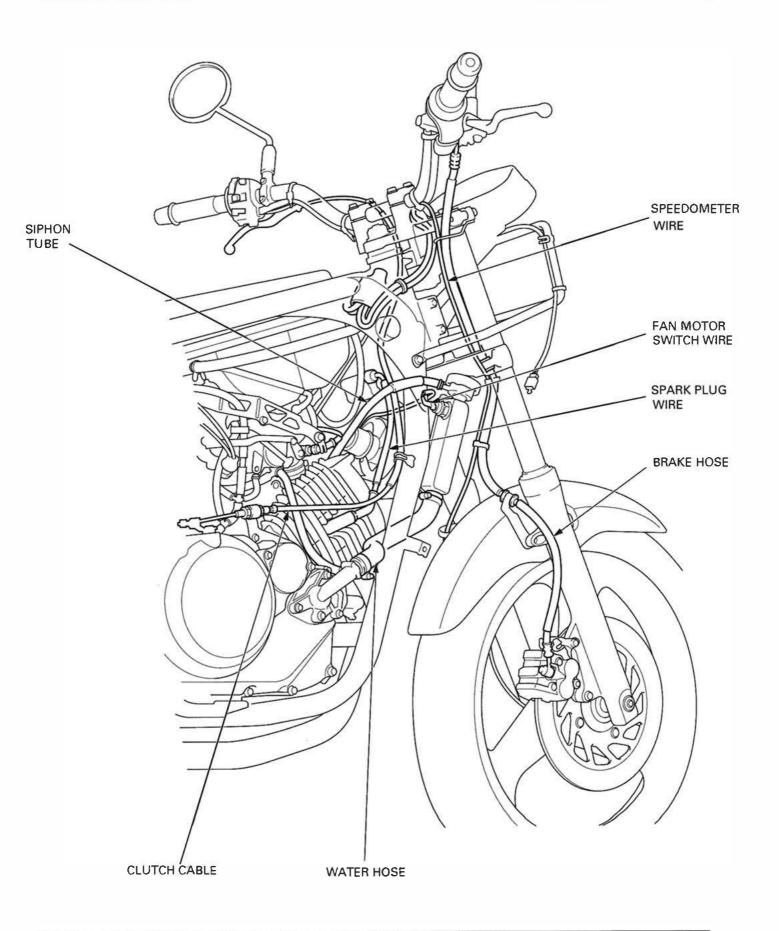
LOCATION	MATERIAL	REMARKS
Clutch lever pivot sliding surface Throttle grip pipe rolled up portion Rear brake pedal pivot sliding surface Gearshift pedal pivot sliding surface Side stand pivot sliding surface Front wheel dust seal lip area Rear wheel dust seal lip area Rear wheel O-ring whole Final driver flange gap with rear hub Final driver flange dust seal lip area	Multi-purpose grease	
Steering head upper bearing Steering head lower bearing Steering head dust seal lips Rear caliper pin bolt Rear master cylinder push rod contact area Front brake lever pivot and piston contact area Front brake lever pivot sliding area Front fork oil seal lips Swingarm pivot dust seal lips Swingarm pivot bearing and center collar sliding surface Swingarm pivot bush and collar sliding surface Speedometer gear box inside Speedometer gear sliding portion	Grease	
Steering top threads Front engine hanger bolt threads Rear engine hanger bolt threads Upper engine hanger bolt threads	Engine oil	
Brake master cylinder pistons and cups Rear caliper piston sliding surface	DOT 3 or DOT 4 brake fluid	
Throttle cable casting inside Clutch cable casing inside Caliper piston seal sliding surface Caliper pin sliding surface	Silicone grease	
Final driven flange bolt threads Rear caliper nut threads Front caliper pin threads Front caliper nut threads Fork socket bolt threads	Locking agent	
Handle grip rubber inside surfaces	Honda band A or Cemedine #540	
Front fork inside	Fork fluid	

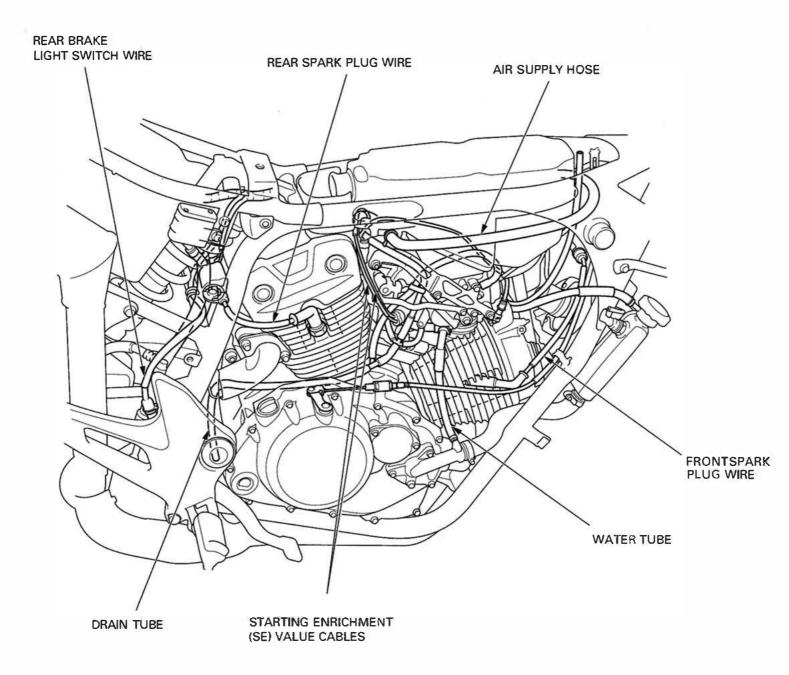
CABLE & HARNESS ROUTING

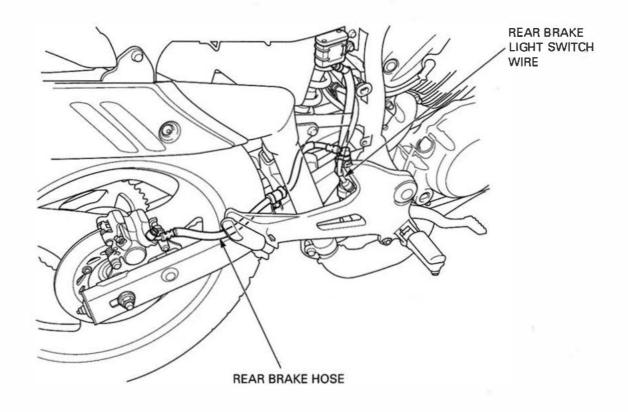


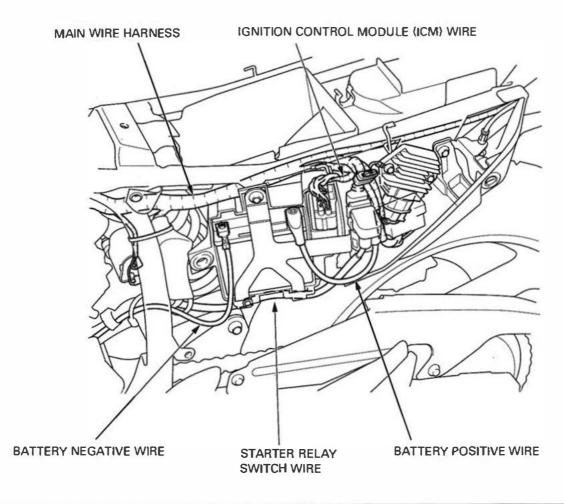


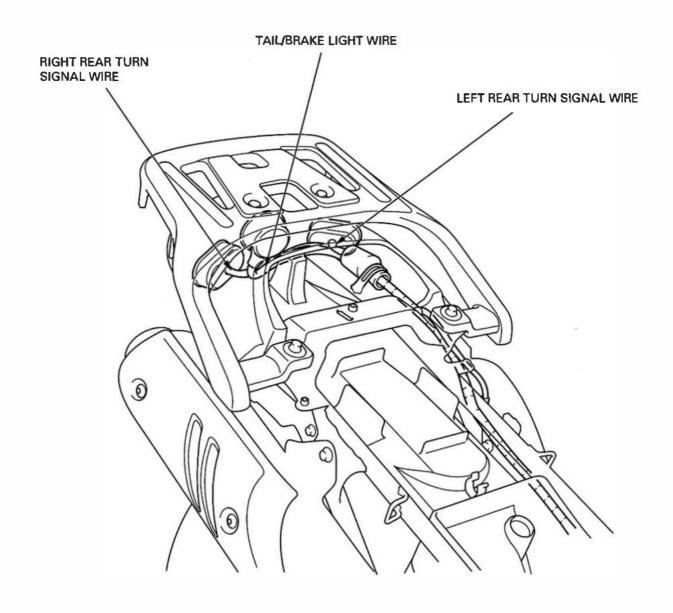












EMISSION CONTROL SYSTEMS

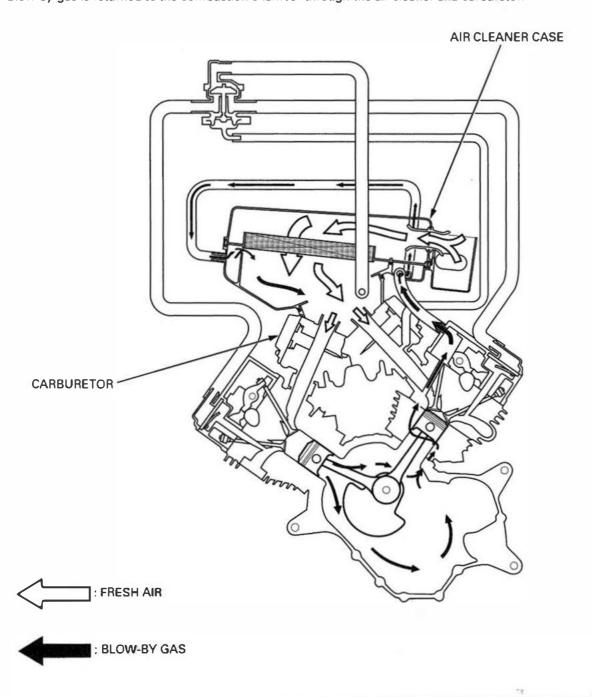
SOURCE OF EMISSIONS

The combustion process produces carbon monoxide and hydrocarbons. Controlling hydrocarbon emission is very important because, under certain conditions, they react to form photochemical smog when subjected to sunlight. Carbon monoxide does not react in the same way, but it is toxic.

Honda Moter Co., Ltd. utilizes lean carburetor settings as well as other systems, to reduce carbon monoxide and hydrocarbons.

CRANKCASE EMISSION CONTROL SYSTEM

The engine is equipped with a closed crankcase system to prevent discharging crankcase emissions into the atmospher. Blow-by gas is returned to the combustion chamber through the air cleaner and carburetor.

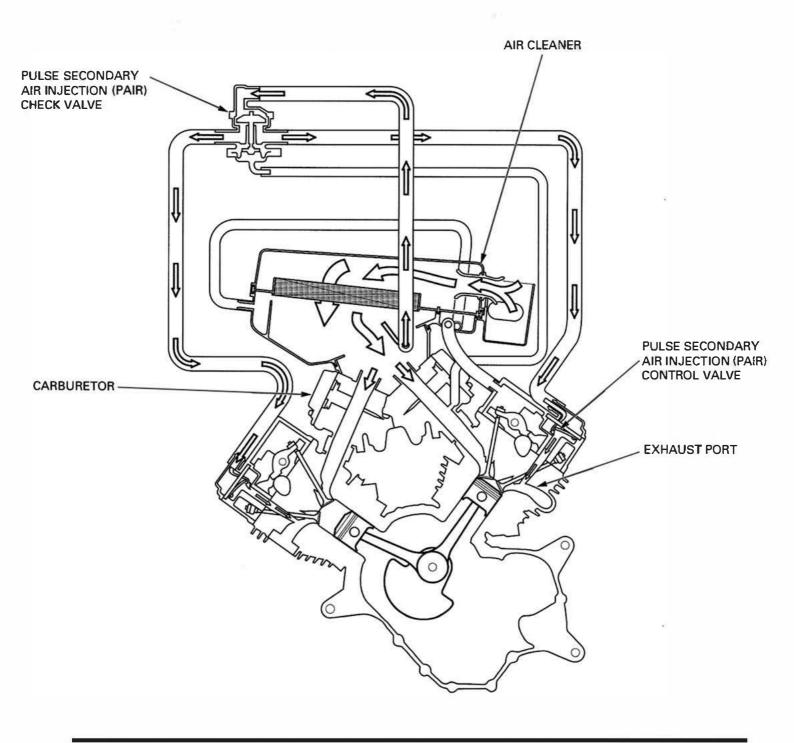


EXHAUST EMISSION CONTROL SYSTEM (PULSE SECONDARY AIR INJECTION SYSTEM)

The exhaust emission control system consists of a secondary air supply system which introduces filtered air into the exhaust bases in the exhaust port. Fresh air is drawn into the exhaust port whenever there is a negative pressure pulse in the exhaust system. This charge of fresh air promotes burning of the unburned exhaust gases and changes a considerable amount of hydrocarbons and carbon monoxide into relatively harmless carbon dioxide and water vapor.

This model has the pulse secondary air injection (PAIR) control valve and PAIR check valve. Pair check valve prevents reverse air flow through the system. The PAIR control valve reacts to high intake manifold vacuum and will cut off the supply of the fresh air during engine deceleration, thereby preventing afterburn in the exhaust system.

No adjustment to the pulse secondary air injection system should be made, although periodic inspection of the components is recommended.



2

2. FRAME/BODY PANELS/EXHAUST SYSTEM

SERVICE INFORMATION	2-1	TAIL COVER/REAR FENDER	2-4
TROUBLESHOOTING	2-1	REAR INNER FENDER/BATTERY BOX	2-5
SEAT	2-2	FRONT COWL	2-6
SIDE COVER	2-2	FUEL TANK	2-8
FRONT FENDER	2-3	MUFFLER/EXHAUST PIPE	2-9
REAR CARRIER	2-3		

SERVICE INFORMATION

GENERAL

AWARNING

Gasoline is extremely flammable and is explosive under certain conditions. Work in a well ventilated area. Smoking or allowing flames or sparks in the work area or where the gasoline is stored can cause a fire or explosion.

• Engine and exhaust system parts become very hot and remain hot for some time after the engine is run. Wear insulated gloves or wait until the engine and exhaust system have cooled before handling these parts.
If the engine must be running to do some work, make sure the area is well-ventilated. Never run the engine in an enclosed area. The exhaust contains poisonous carbon monoxide gas that may cause loss of consciousness and lead to death. Run the engine in an open area or with an exhaust evacuation system in an enclosed area.

This section covers removal and installation of the body panels, fuel tank and exhaust system.

- Always replace the exhaust pipe gasket when removing the exhaust pipe from the engine.
- When installing the exhaust system, loosely install all of the exhaust pipe fasteners. Always tighten the exhaust clamps first, then tighten the mounting fasteners. If you tighten the mounting fasteners first, the exhaust pipe may not seat properly.
- · Always inspect the exhaust system for leaks after installation.

TORQUE VALUES

Muffler band bolt20 N-m (2.0 kgf-m, 14 lbf-ft)Exhaust pipe joint nut18 N-m (1.8 kgf-m, 13 lbf-ft)Muffler mounting bolt32 N-m (3.3 kgf-m, 24 lbf-ft)

TROUBLESHOOTING

Excessive exhaust noise

Broken exhaust system Exhaust gas leak

Poor performance

Deformed exhaust system Exhaust gas leak

· Clogged muffler

SEAT

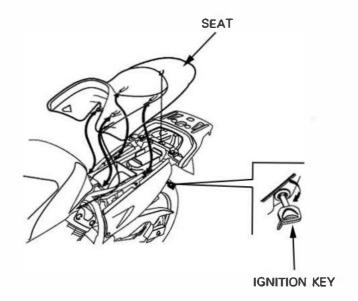
REMOVAL

Unlock the seat with the ignition key. Pull the seat back and remove it.

INSTALLATION

Install the seat by inserting the groove to the prong on the fuel tank and the catches into the hooks of the frame.

Push the seat forward, then down to lock it.



SIDE COVER

Remove the seat (see above).

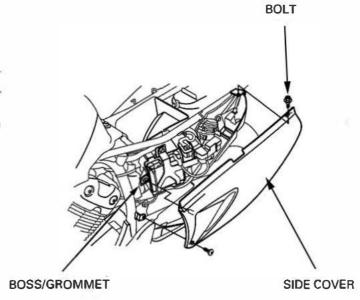
NOTE:

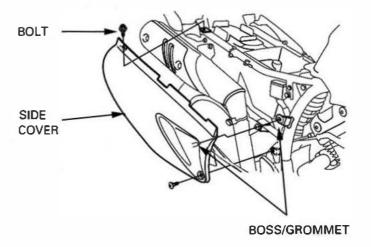
Be careful not to damage the bosses of the side cover.

Remove the bolt and screw.

Remove the boss of the side cover from the grommet and remove the side cover.

Installation in the reverse order of removal.

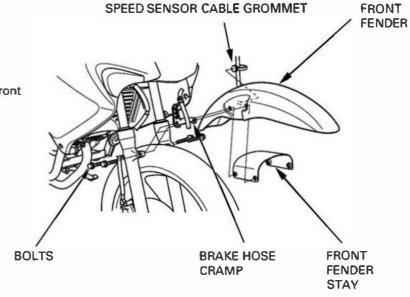




FRONT FENDER

Remove the speed sensor cable grommet. Remove the bolts, brake hose cramp, front fender and front fender stay.

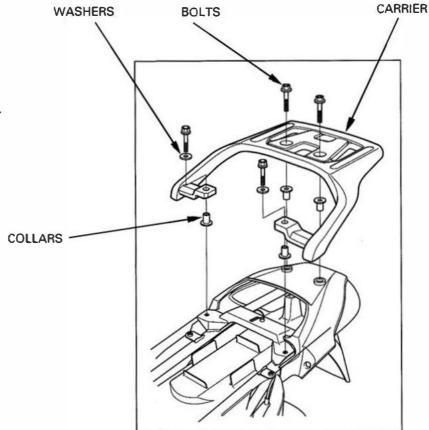
Installation is in the reverse order of removal.



REAR CARRIER

Remove the seat (page 2-2).
Remove the bolts.
Remove the rear carrier, washers and collars.

Installation is in the reverse order of removal.



REAR

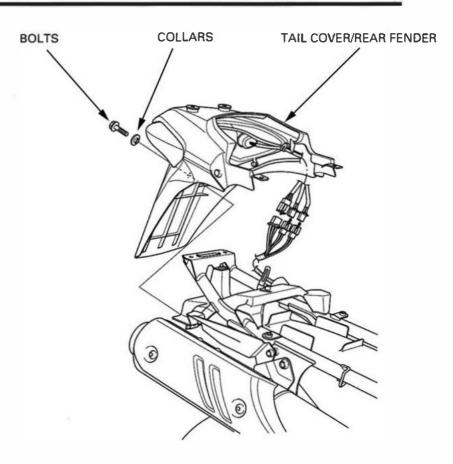
TAIL COVER/REAR FENDER

REMOVAL

Remove the seat (page 2-2).

Remove the rear carrier (page 2-3).
Remove the bolts.
Disconnect the tail/brake light and rear turn signal connectors.
Remove the tail cover/rear fender.

Installation is in the reverse order of removal.

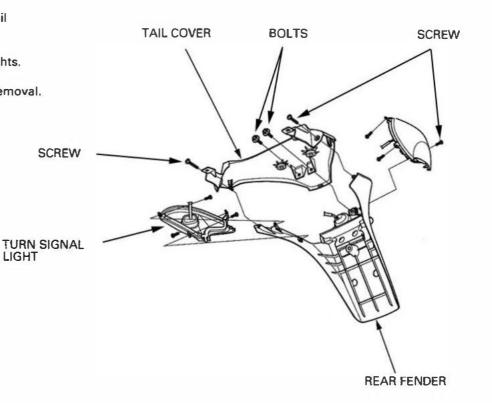


DISASSEMBLY

Remove the screws, bolts and rear tail cover from the rear fender.

Remove the screws and turn signal lights.

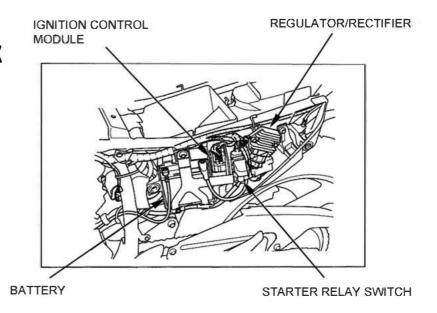
Installation is in the reverse order of removal.

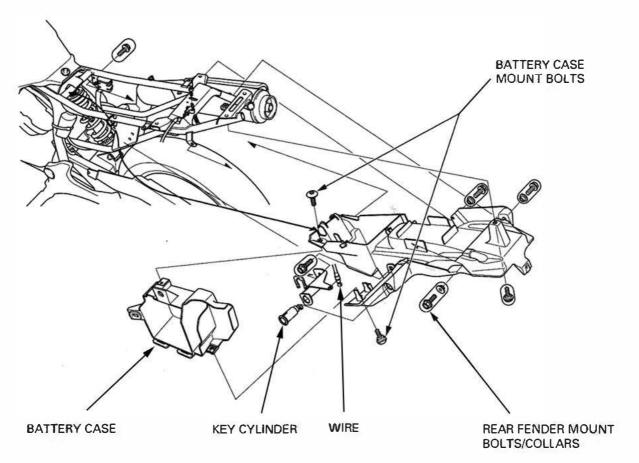


REAR INNER FENDER/BATTERY BOX

Remove the following:

- Seat (page 2-2)
- Left side cover (page 2-2)
- Battery (page 15-4)
- Regulator/rectifier (page 15-7)
- Ignition control module (page 16-9)
- Starter relay switch (page 17-16)





Remove the battery mount bolts and battery case. Disconnect the wire and remove the key cylinder. Remove the mount bolts/collars and rear inner fender.

Installation is in the reverse order of removal.

FRONT COWL

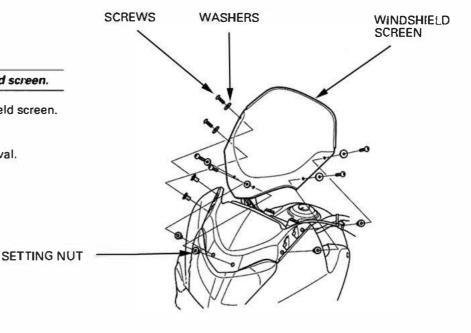
WINDSHIELD SCREEN

CAUTION:

Do not scratch and damage the windshield screen.

Remove the screws, washers and windshield screen. Remove the setting nut.

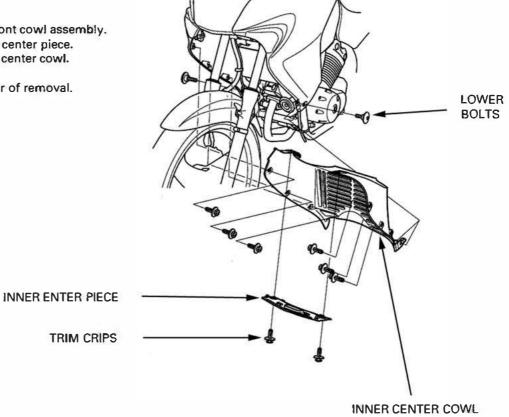
Installation is in the reverse order of removal.



INNER CENTER COWL

Remove the lower bolts of the front cowl assembly. Remove the trim crips and inner center piece. Remove the trim crips and inner center cowl.

Installation is in the reverse order of removal.

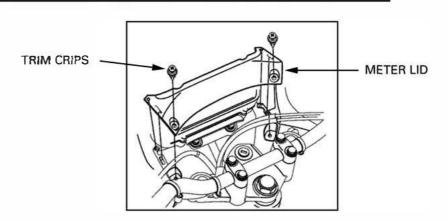


FRAME/BODY PANELS/EXHAUST SYSTEM

FRONT COWL ASSEMBLY

REMOVAL

Remove the inner center piece and inner center cowl (page 2-6).
Remove the trim crips and meter lid.
Remove the combination meter (page 18-6).



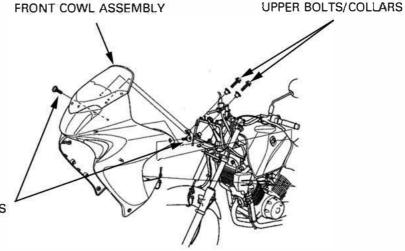
Remove the upper boits/collars, socket bolts and front cowl assembly.

NOTE:

Be careful not to damage the front cowl assembly.

Disconnect the head light, position light 4P connector and Left and right turn signal light 2P connectors.

SOCKET BOLTS

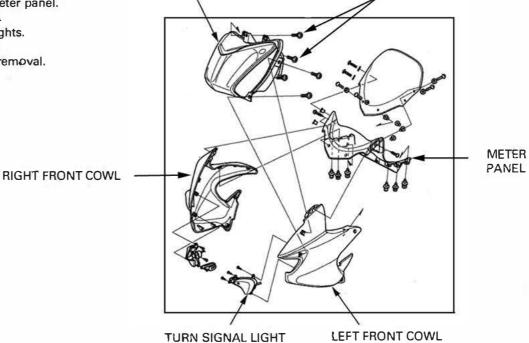


BOLT

DISASSEMBLY

Remove the windscreen (page 2-6).
Remove the bolts and headlight.
Remove the trim crips, screws and meter panel.
Remove the left and right front cowls.
Remove the screws and turn signal lights.

Installation is in the reverse order of removal.



HEADLIGHT

FUEL TANK

REMOVAL

A WARNING

Gasoline is extremely flammable and is explosive under certain conditions. Work in a well ventilated area. Smoking or allowing flames or sparks in the work area or where the gasoline is stored can cause a fire explosion.

CAUTION:

Do not damage the front cowl assembly and fuel tank.

Remove the seat (page 2-2).

Turn the fuel valve "OFF".

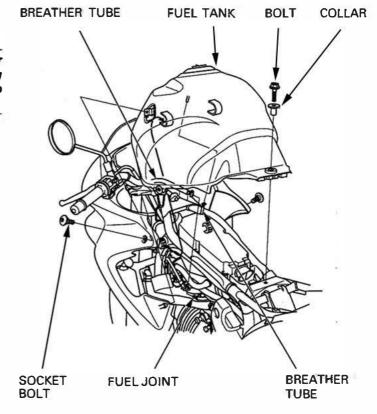
Disconnect the fuel tube from the fuel joint.

NOTE:

At removal, be careful not to damage the fuel sensor 2P connector and wire.

Remove the lower bolts and socket bolts from the front cowl assembly.

Remove the bolt, collar and fuel tank. Disconnect the breather tube.



DISASSEMBLY

Loosen the fuel valve nut and remove the fuel valve.

Remove the strainer screen and O-ring. Check the fuel strainer screen for clogs or damage and clean or replace if necessary.

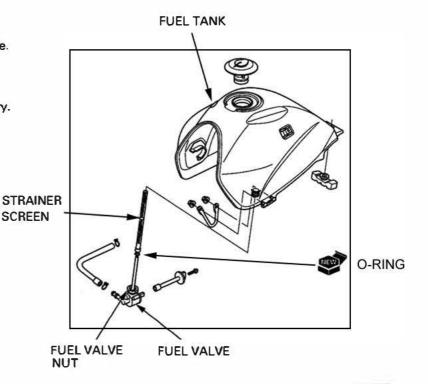
Install the new O-ring to the fuel strainer screen.

Attach the fuel strainer screen to the fuel valve and install to the fuel tank.

NOTE:

Always replace the O-ring with new one.

Tighten the fuel valve nut securely.



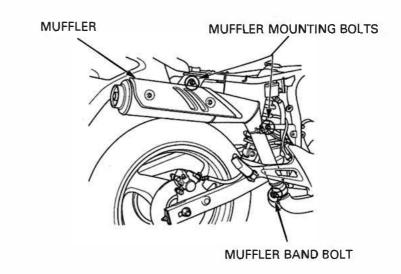
MUFFLER/EXHAUST PIPE

REMOVAL

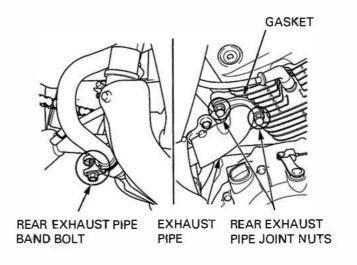
AWARNING

Do not service the exhaust system while it is hot.

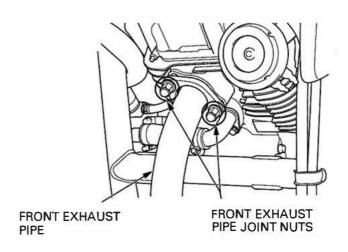
Remove the seat (page 2-2). Remove the side covers (page 2-2). Loosen the muffler band bolt. Remove the muffler mounting bolts and muffler.



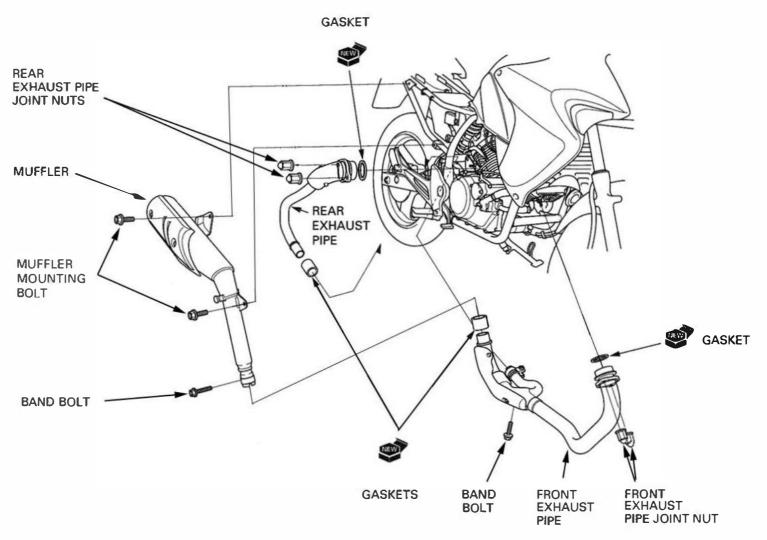
Loosen the rear exhaust pipe band bolt and remove the rear exhaust pipe joint nuts, gasket and rear exhaust pipe.



Remove the front exhaust joint nuts, gasket and front exhaust pipe.



INSTALLATION



Replace the gaskets with new ones.

Installation is in the reverse order of removal.

Tighten the boits and nuts to their specified torque.

TORQUE:

Exhaust pipe joint nut: 18 N·m (1.8 kgf·m, 13 lbf·ft)
Muffler band bolt: 20 N·m (2.0 kgf·m, 14 lbf·ft)
Muffler mounting bolt: 32 N·m (3.3 kgf·m, 24 lbf·ft)