

## MAINTENANCE

- The U.S. Environmental Protection Agency requires manufacturers to certify that motorcycles built after December 31, 1977 will comply with applicable emissions standards during their useful life, when operated and maintained according to the instructions provided. Compliance with the terms of the Distributor's Warranty for Honda Motorcycle Emission Control Systems is necessary in order to keep the emissions system warranty in effect. (USA ONLY).
- When service is required, remember that your authorized Honda dealer knows your motorcycle best and is fully equipped to maintain and repair it. The scheduled maintenance may also be performed by a qualified service facility that normally does this kind of work; or you may perform most of the work yourself if you are mechanically qualified and have the proper tools and service data.
- These instructions are based on the assumption that the motorcycle will be used exclusively for its designed purpose. Sustained high speed operation, or operation in unusually wet or dusty conditions will require more frequent service than specified in the MAINTENANCE SCHEDULE. Consult your authorized Honda dealer for recommendations applicable to your individual needs and use.

**WARNING**

- \* *If your motorcycle is overturned or involved in a collision, inspect control levers, cables, brake hoses, calipers, accessories, and other vital parts for damage. Do not ride the motorcycle if damage impairs safe operation. Have your Honda dealer inspect the major components including frame, suspension, and steering parts for misalignment and damage that you may not be able to detect.*
- \* *Stop the engine and support the motorcycle securely on a level surface before performing any maintenance.*
- \* *Use new, genuine Honda parts or their equivalent for maintenance and repair. Parts which are not of equivalent quality may impair the safety of your motorcycle and the effective operation of the emission control systems.*

The Vehicle Emission Control Information label (1) is attached to the frame by the left side cover. (USA ONLY)



(1) Vehicle Emission Control Information label

## MAINTENANCE SCHEDULE

Perform the Pre-ride Inspection (Page 29) at each scheduled maintenance period.

I: INSPECT AND CLEAN, ADJUST, LUBRICATE OR REPLACE IF NECESSARY.

C: CLEAN R: REPLACE A: ADJUST L: LUBRICATE

ITEM		FREQUENCY	WHICHEVER COMES FIRST → ↓ EVERY	ODOMETER READING [NOTE (3)]						REFER TO
				6,000 mi (1,000 km)	4,000 mi (6,400 km)	8,000 mi (12,800 km)	12,000 mi (19,200 km)	16,000 mi (25,600 km)	20,000 mi (32,000 km)	
EMISSION RELATED ITEMS	* FUEL LINES			I	I	I	I	I	I	
	* THROTTLE OPERATION		I	I	I	I	I	I	I	
	* CARBURETOR-CHOKE			I	I	I	I	I	I	
	AIR CLEANER	NOTE (1)		C	R	C	R	C	R	Page 55
	CRANKCASE BREATHER	NOTE (2)		C	C	C	C	C	C	Page 56
	SPARK PLUGS			R	R	R	R	R	R	Page 53
	* VALVE CLEARANCE		I	I	I	I	I	I	I	
	ENGINE OIL	YEAR	R	R	R	R	R	R	R	Pages 51-52
	ENGINE OIL FILTER	YEAR	R	R	R	R	R	R	R	Page 52
	* CAM CHAIN TENSION		A	A	A	A	A	A	A	
	* CARBURETOR-SYNCHRONIZE		I	I	I	I	I	I	I	
	* CARBURETOR-IDLE SPEED		I	I	I	I	I	I	I	Page 54

ITEM	FREQUENCY	WHICHEVER COMES FIRST ↓	ODOMETER READING [NOTE (3)]							REFER TO
			600 mi (1,000 km)	4,000 mi (6,400 km)	8,000 mi (12,800 km)	12,000 mi (19,200 km)	16,000 mi (25,600 km)	20,000 mi (32,000 km)	24,000 mi (38,400 km)	
		EVERY								
NON-EMISSION RELATED ITEMS	* DRIVE SHAFT JOINT				L		L		L	
	* FINAL DRIVE LUBRICANT				I		I		R	
	BATTERY	MONTH	I	I	I	I	I	I	I	Pages 63-64
	BRAKE FLUID	MONTH I 2 YEARS *R	I	I	I	*R	I	I	*R	Pages 59-60
	BRAKE PAD WEAR			I	I	I	I	I	I	Page 61
	BRAKE SYSTEM		I	I	I	I	I	I	I	
	* BRAKE LIGHT SWITCH		I	I	I	I	I	I	I	
	* HEADLIGHT AIM		I	I	I	I	I	I	I	
	CLUTCH		I	I	I	I	I	I	I	Pages 57-58
	SIDE STAND			I	I	I	I	I	I	Page 62
	* SUSPENSION		I	I	I	I	I	I	I	
	* NUTS, BOLTS, FASTENERS		I	I	I	I	I	I	I	
	** WHEELS		I	I	I	I	I	I	I	
	** STEERING HEAD BEARING		I		I		I		I	

\* SHOULD BE SERVICED BY AN AUTHORIZED HONDA DEALER, UNLESS THE OWNER HAS PROPER TOOLS AND SERVICE DATA AND IS MECHANICALLY QUALIFIED. REFER TO THE OFFICIAL HONDA SHOP MANUAL.

\*\* IN THE INTEREST OF SAFETY, WE RECOMMEND THESE ITEMS BE SERVICED ONLY BY AN AUTHORIZED HONDA DEALER.

- NOTE: (1) Service more frequently when riding in dusty areas.  
 (2) Service more frequently when riding in rain or at full throttle (USA ONLY).  
 (3) For higher odometer readings, repeat at the frequency interval established here.

## MAINTENANCE RECORD

Miles	Performed by	Odometer	Date
600			
4,000			
8,000			
12,000			
16,000			
20,000			
24,000			

- Make sure that whoever performs the maintenance completes this record. All scheduled maintenance is considered a normal owner operating cost and will be charged for by your dealer.
- Detailed receipts verifying the performance of required maintenance should be retained. These receipts should be transferred with the motorcycle to the new owner if the motorcycle is sold.

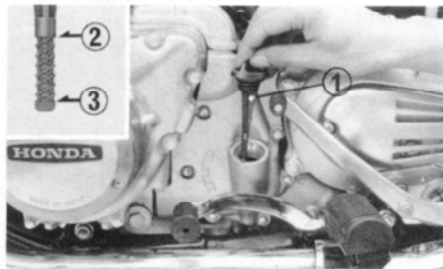
## Engine Oil

Engine oil quality is the chief factor affecting engine service life. Change the engine oil when specified by the maintenance schedule.

### NOTE:

\* Change engine oil with the engine warm and the motorcycle on its center stand to assure complete and rapid draining.

1. To drain the oil remove the oil filler cap (1), crankcase drain plug (4) and oil filter cover (7).



(1) Filler cap/dipstick (3) Lower level mark  
(2) Upper level mark

2. After the oil is completely drained check that the sealing washer (5) on the oil drain plug is in good condition and install the drain plug.

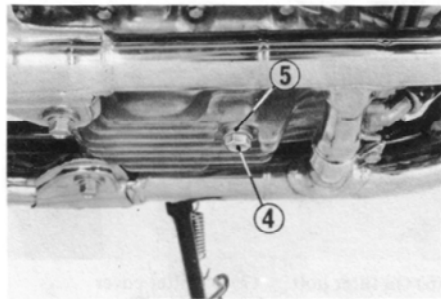
Drain Plug Torque:

3.5–4.0 kg-m (25–28 ft-lb)

3. Check that the oil filter bolt (6) and cover O-rings are in good condition and install the cover.

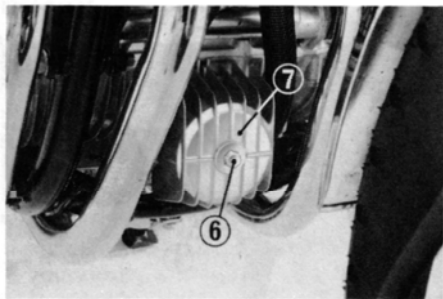
Oil Filter Bolt Torque:

2.8–3.2 kg-m (20–23 ft-lb)



(4) Oil drain plug (5) Sealing washer

4. Fill the crankcase with approximately 3.5 liters (3.7 US qt) of the recommended oil.
5. Install the oil filler cap (1).
6. Start the engine and let it idle for 2–3 minutes.
7. Stop the engine and check that the oil level is at the upper level mark (2) on the dipstick. Make sure there are no oil leaks.



(6) Oil filter bolt (7) Oil filter cover

## Engine Oil Filter

### NOTE:

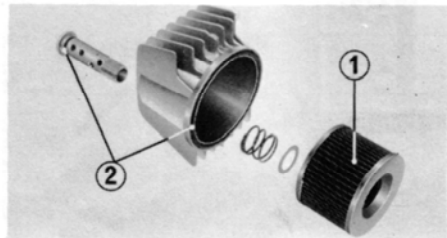
\* Change the filter after draining the engine oil.

1. Remove the oil filter element (1) from the cover.
2. Check that the O-rings (2) on the oil filter bolt and cover are in good condition.
3. Insert a new oil filter element. Check that all parts are installed as shown. Install the oil filter cover.

Oil Filter Bolt Torque:

2.8–3.2 kg-m (20–23 ft-lb)

4. Perform steps 4–7 of Engine Oil Change.



(1) Oil filter element (2) O-rings

## Spark Plugs

Recommended spark plugs:

### USA model

Standard:

X27ES-U (ND), D9EA (NGK)

For cold climate: (below 5°C, 41°F)

X24ES-U (ND), D8EA (NGK)

### Canadian model:

Standard:

X27ESR-U (ND) or DR8ES (NGK)

For cold climate: (Below 5°C, 41°F)

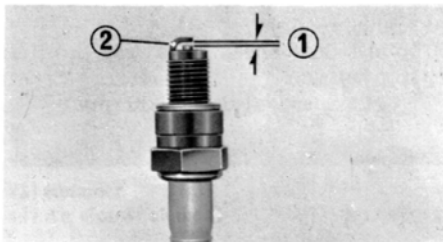
X24ESR-U (ND) or DR8ES-L  
(NGK)

1. Clean any dirt from around the spark plug base.
2. Disconnect the spark plug caps. Remove and discard the spark plugs.
3. Make sure the new spark plug gap (1) is 0.6–0.7 mm (0.024–0.028 in) using a wire type feeler gauge. If adjustment is necessary, bend the side electrode (2) carefully.

4. With the plug washers attached, thread the new spark plugs in by hand to prevent crossthreading.
5. Tighten the spark plugs 1/2 turn with a spark plug wrench to compress the washer.
6. Connect the spark plug caps.

### **CAUTION:**

- \* *The spark plug must be securely tightened. An improperly tightened plug can become very hot and possibly damage the engine.*
- \* *Never use a spark plug with an improper heat range.*



(1) Spark plug gap      (2) Side electrode

## Idle Speed

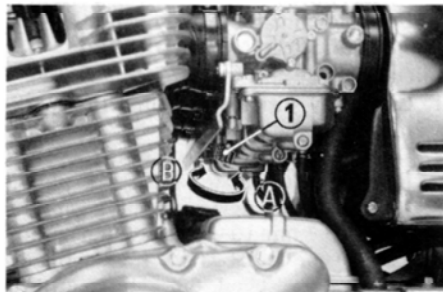
The idle speed adjustment procedure given here should only be used when changes in altitude affect normal idling speed as set by your dealer. See your authorized Honda dealer for regularly scheduled carburetor adjustment, including individual carburetor adjustment and synchronization.

### NOTE:

\* The engine must be warm for accurate idle speed adjustment. Ten minutes of stop-and-go riding is sufficient.

1. Warm up the engine, shift to neutral and place the motorcycle on its center stand.
2. Adjust idle speed with the throttle stop screw.

Idle Speed:  $1,000 \pm 100$  rpm

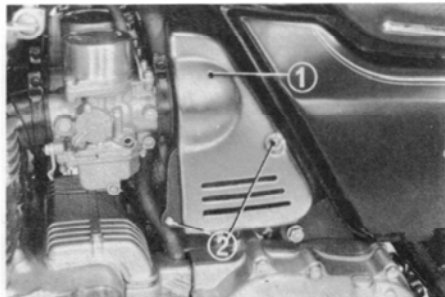


(1) Throttle stop screw      (A) Increase  
(B) Decrease

## Air Cleaner

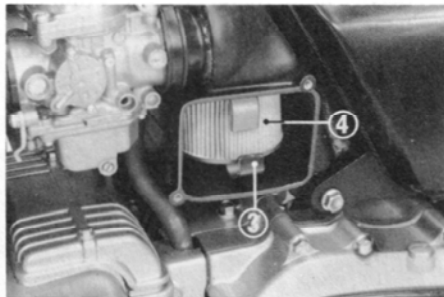
The air cleaner should be serviced at regular intervals (page 48). Service more frequently when riding in dusty areas.

1. Remove the air cleaner cover (1) by removing the two screws (2).
2. Pull the retainer (3) out and remove the air cleaner element (4).



(1) Air cleaner cover  
(2) Screws

3. Clean the element by tapping it lightly to loosen dust. Blow away the remaining dust by applying compressed air from the inside of the element. Replace the element if it is excessively dirty, torn or damaged.
4. Reinstall the element retainer and air cleaner cover.



(3) Retainer  
(4) Air cleaner element