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4. FUEL SYSTEM

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SERVICE INFORMATION

GENERAL

- When disassembling fuel system parts, note the locations of the O-rings. Replace them with new ones on reassembly.
- The carburetor float bowls have drain plugs that can be loosened to drain residual gasoline.

SPECIFICATIONS

Item	'83	'84	'84 California model
Venturi bore	30 mm (0.2 in)	←	28 mm (1.10 in)
Type	Piston valve	←	←
Identification number	PH60A	PH64A	PH66A
Float level	20 mm (0.79 in)	←	←
Air/pilot screw opening	See page 4-14	See page 4-15	←
Main jet	Pri #125, 2nd #112	Pri #120, 2nd #120	Pri #118, 2nd #118
Slow jet	#55	#65	←
Idle speed	1,200 ± 100 rpm	1,300 ± 100 rpm	←

Fuel tank capacity	12.0 ℓ (3.2 US gal, 2.7 Imp gal)
Reserve capacity	2.0 ℓ (0.5 US gal, 0.4 Imp gal)
Air cut-off valve operating pressure	420 mmHg (16.5 inHg)
Throttle grip free play	2-6 mm (1/8-1/4 in)

TOOL

Float level gauge	07401-0010000
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TORQUE VALUE

Fuel tank mounting bolt	8-12 N·m (0.8-1.2 kg·m, 6-9 ft·lb)
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TROUBLESHOOTING

Engine Cranks But Won't Start

1. No fuel in tank
2. No fuel to cylinder
3. Too much fuel getting to cylinder
4. No spark at plug (ignition malfunction)
5. Air cleaner clogged

Engine Idles Faster Roughly, Falls, or Runs Poorly

1. Idle speed incorrect
2. Ignition malfunction
3. Low compression
4. Rich mixture
5. Lean mixture
6. Air cleaner clogged
7. Air leaking into manifold
8. Fuel contaminated
9. Secondary carburetor touch-point too late
10. Secondary carburetor not closed properly

Lean Mixture

1. Carburetor fuel jets clogged
2. Fuel cap vent blocked
3. Fuel filter clogged
4. Fuel line kinked or restricted
5. Float valve faulty
6. Float level too low

Rich Mixture

1. Choke stuck closed
2. Float valve faulty
3. Float level too high
4. Carburetor air jets clogged
5. Sticking float
6. Dirty air cleaner



FUEL TANK

FUEL TANK REMOVAL

Remove the seat.
Turn the fuel valve OFF and disconnect the fuel tube.
Remove the mounting bolts and tank.

WARNING

*Keep gasoline away from flames or sparks.
Wipe up spilled gasoline at once.*

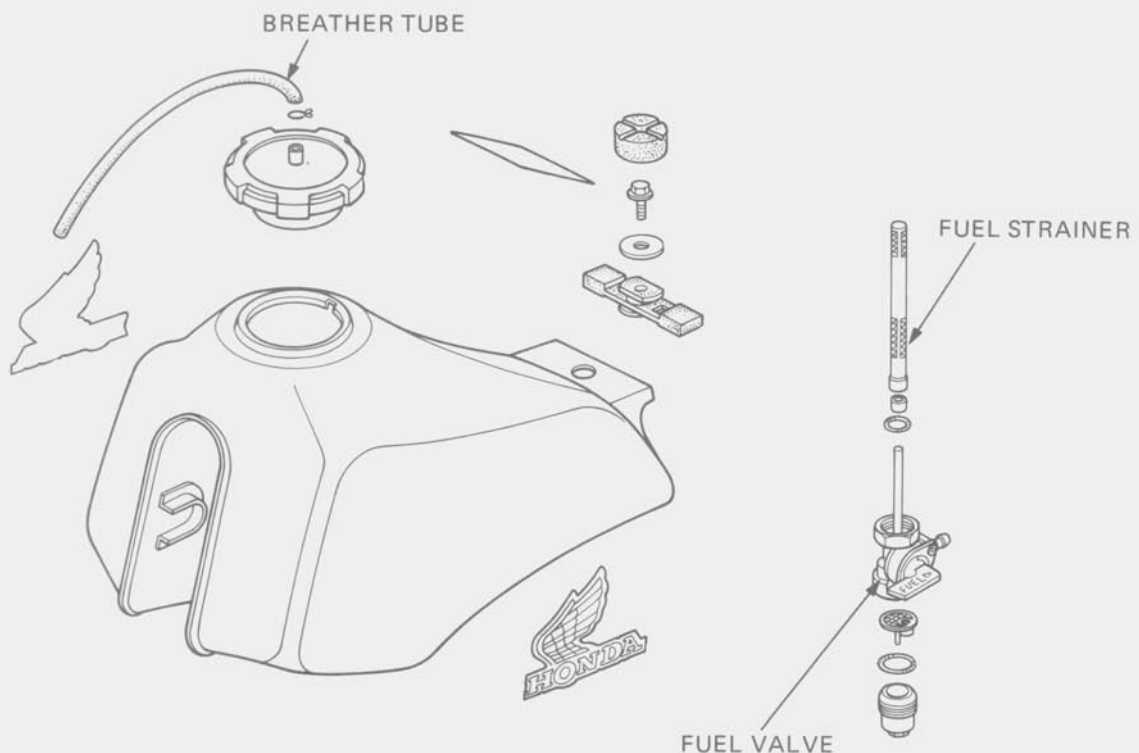
Check that fuel flows out of the fuel valve freely.
If flow is restricted, clean the fuel strainer.

FUEL TANK INSTALLATION

Install the fuel tank with the two mounting bolts.
Connect the fuel tube.
Install the seat.

NOTE

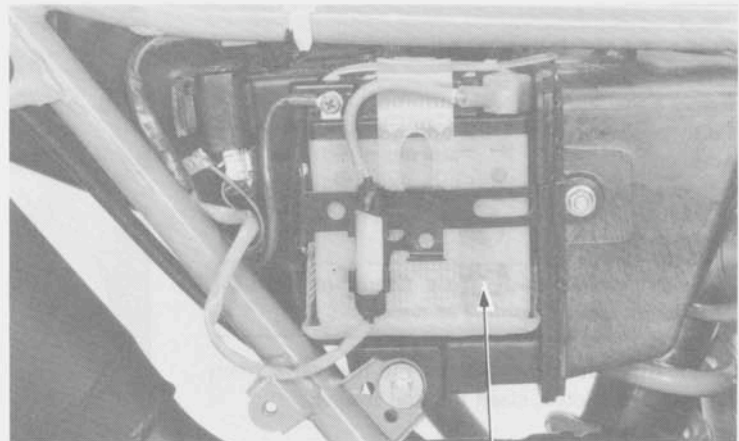
- After assembling, make sure there are no fuel leaks.
- Do not overtighten the fuel valve bolts.





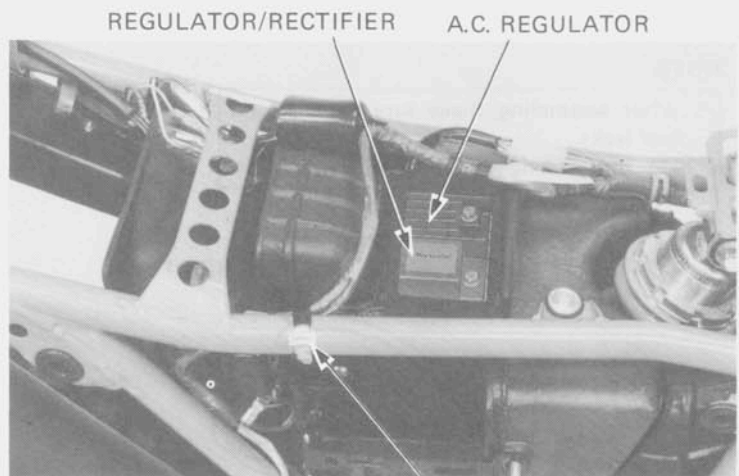
AIR CLEANER CASE REMOVAL

Remove the seat and side covers.
Remove the battery from the battery mount.



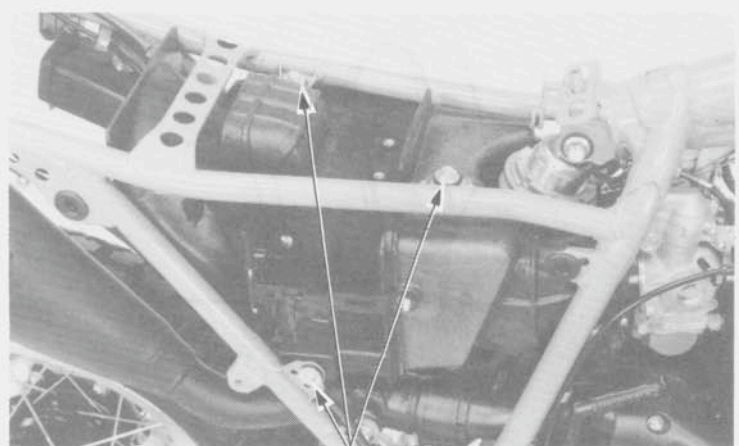
BATTERY

Remove the wire band and coupler.
Remove the A.C. REGULATOR and the regulator rectifier.



WIRE BANDS

Remove the air cleaner mount bolts.



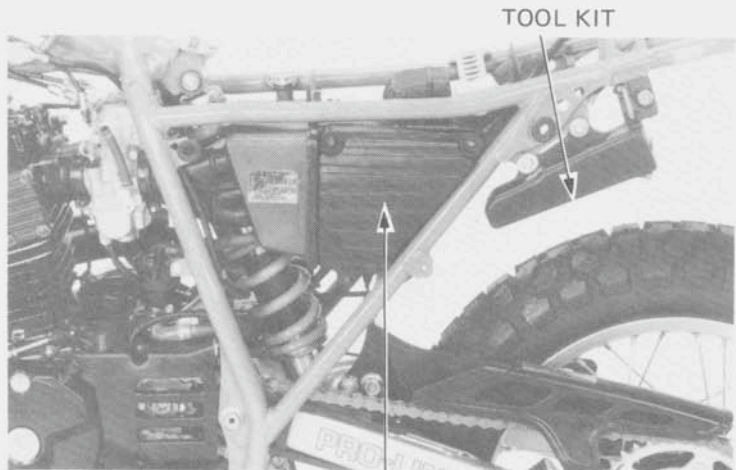
AIR CLEANER MOUNT BOLTS



Remove the muffler by removing the mounting bolts.
Remove the muffler.



Remove the tool kit and air cleaner cover.



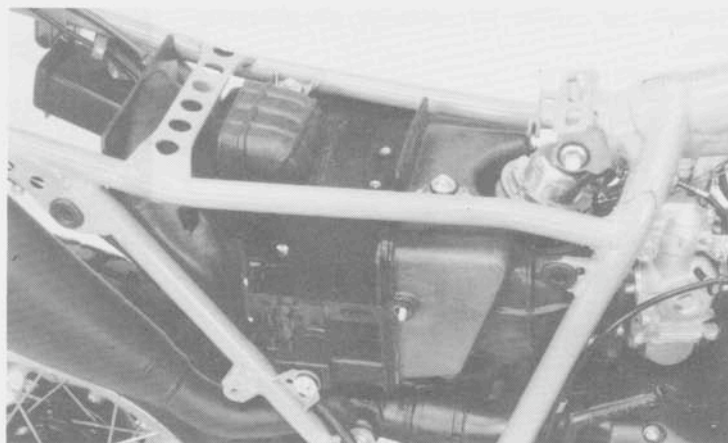
AIR CLEANER COVER

Remove the air cleaner case.



AIR CLEANER INSTALLATION

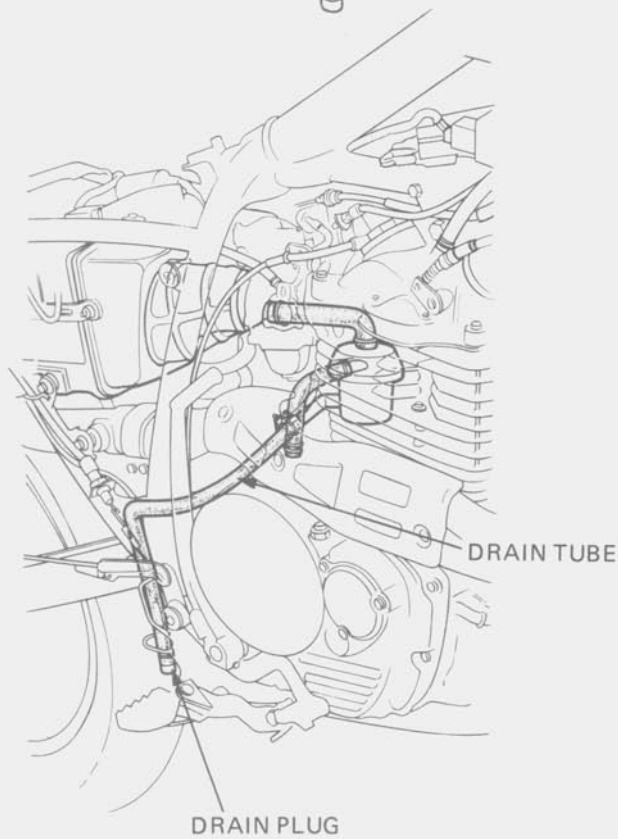
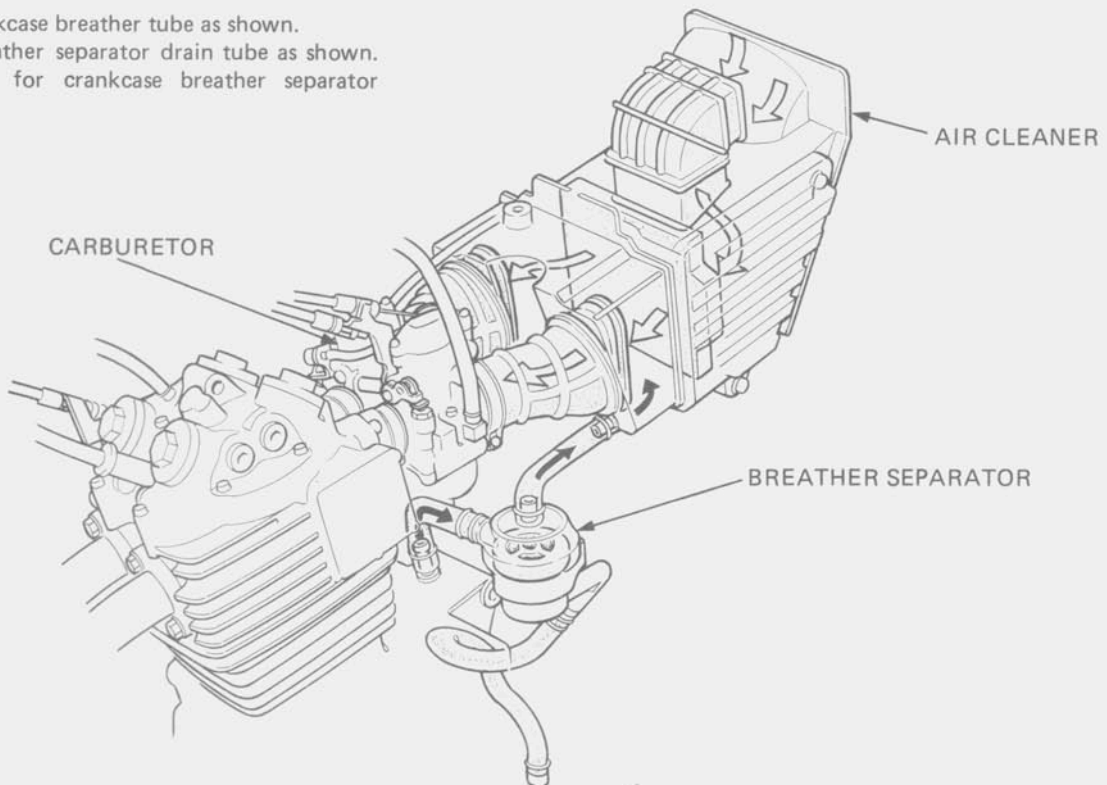
Install the air cleaner case in the reverse order of removal.





CRANKCASE BREATHER

Route the crankcase breather tube as shown.
Route the breather separator drain tube as shown.
See page 3-6 for crankcase breather separator service.





CARBURETOR REMOVAL

CARBURETOR REMOVAL

Remove the seat and fuel tank.
Remove the left and right side covers.

Disconnect the throttle cables, and choke cable.
Loosen the drain screw and drain the fuel.

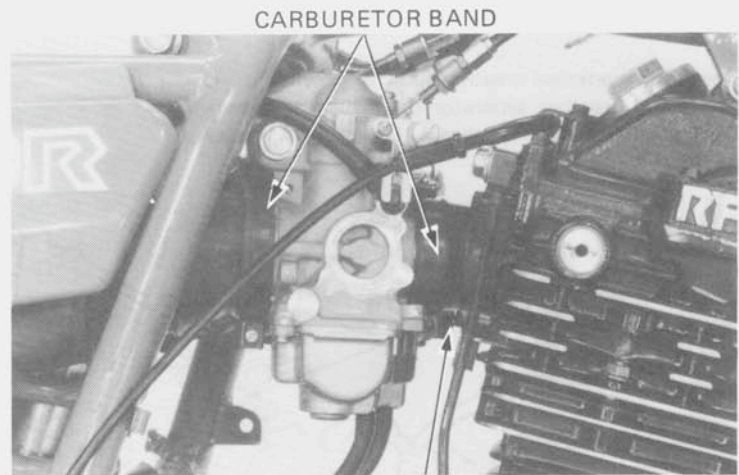
WARNING

*Keep gasoline away from flames or sparks,
Wipe up spilled gasoline at once.*

Loosen the screws securing the carburetor bands.
Remove the carburetor.

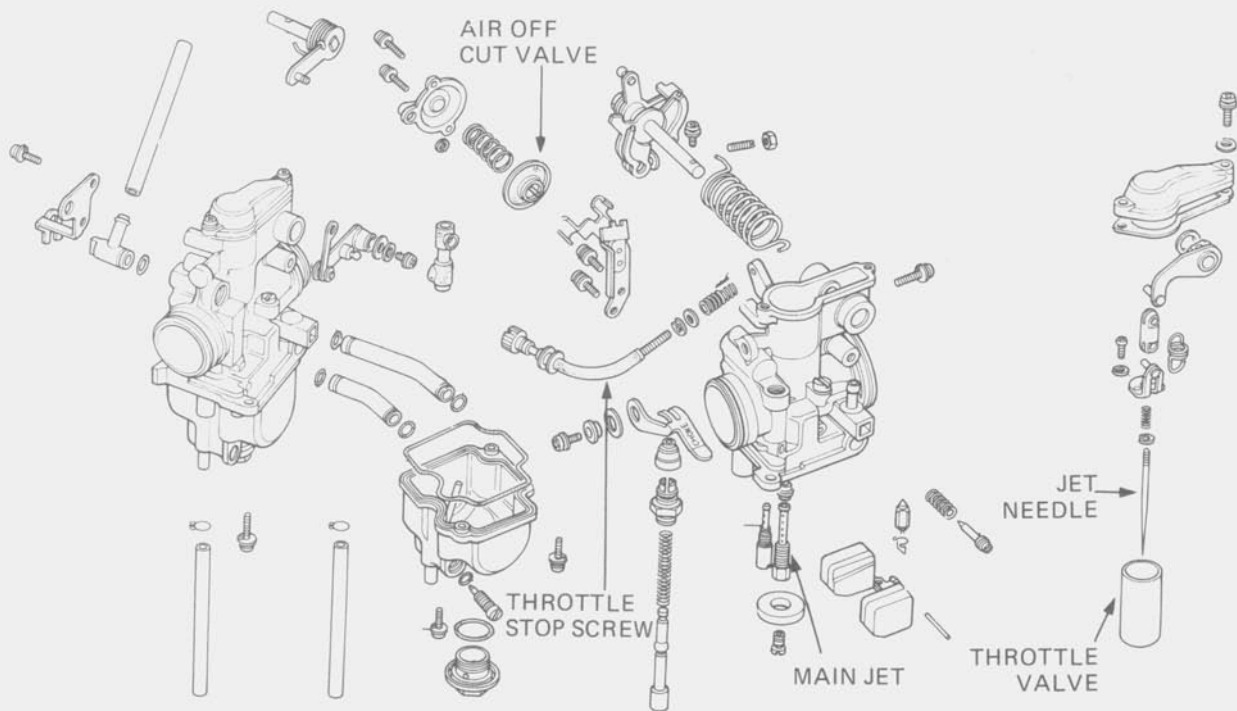
NOTE

Do not pry between the insulator and engine.
Carefully pull it back, away from the engine.



CARBURETOR INSULATOR

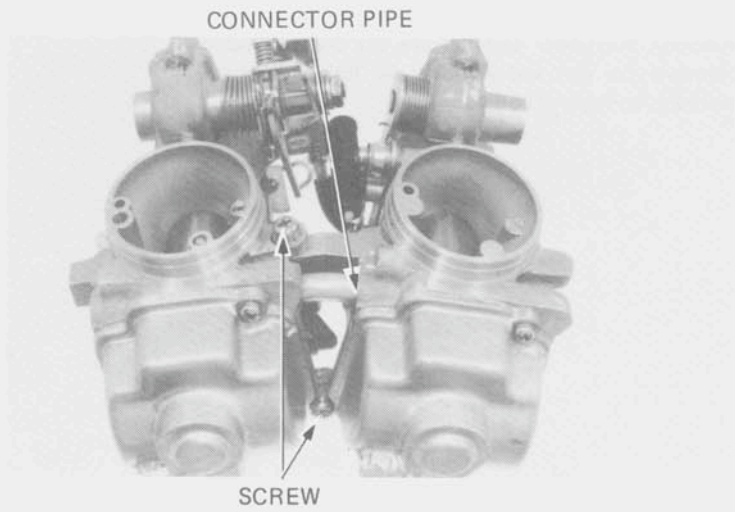
CARBURETOR DISASSEMBLY



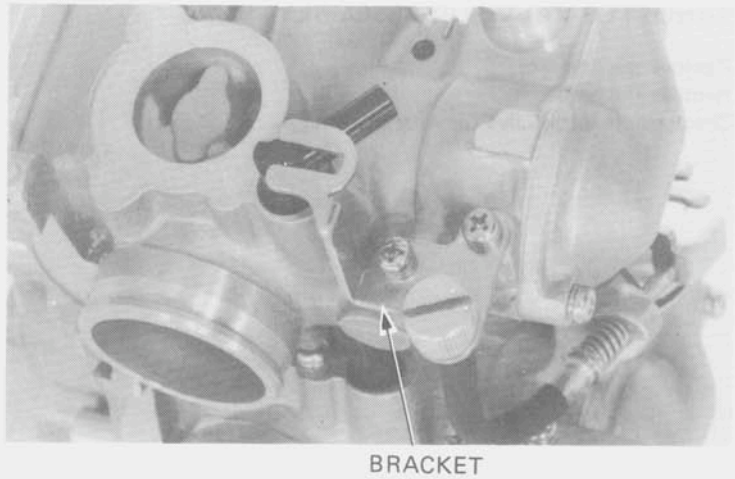


CARBURETOR SEPARATION

Remove two screws and disconnect the connector pipe.



Remove the throttle stop adjuster bracket.



PRIMARY CARBURETOR DISASSEMBLY

Remove the carburetor top.

