

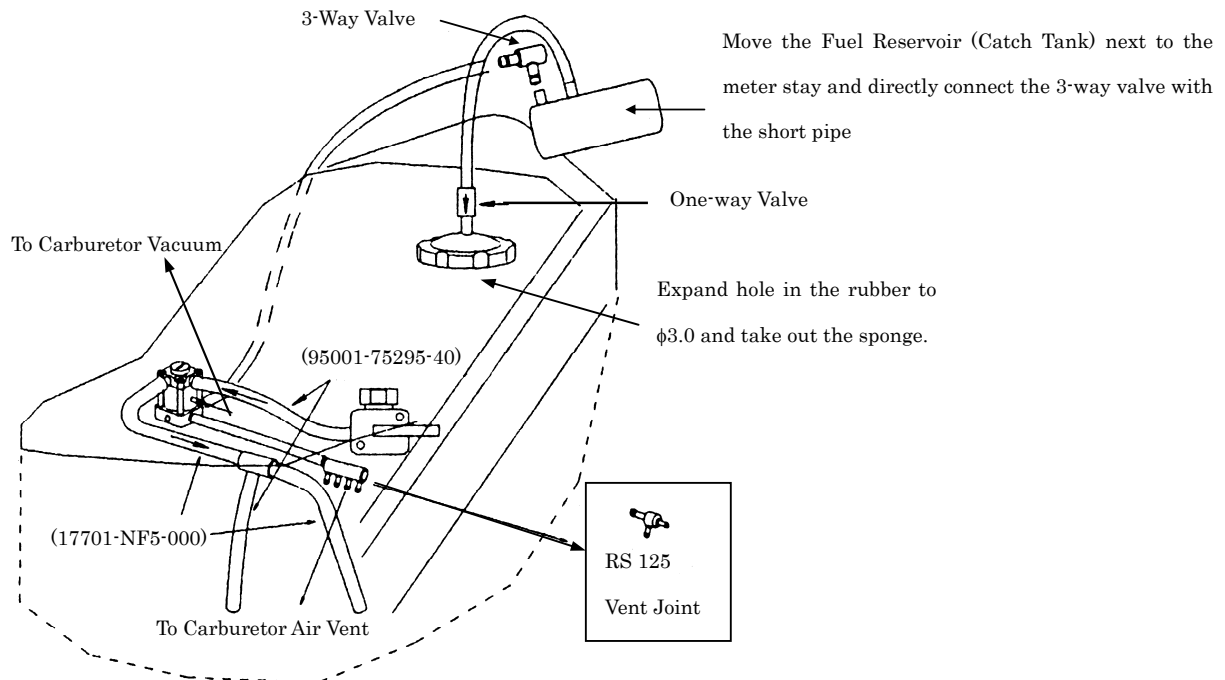
# NAG RAM AIR CONTROLLER - HONDA RS

Attach the controller as per the following diagram. The fuel lines indicated need to be purchased separately:

RS 125: Use '93 RS 125 standard fuel line (95001-75295-40)

RS 250: Use the long L-shaped fuel line (17701-NF5-000)

## RS Controller Complete System Diagram



① Note: Move the fuel reservoir (catch tank) next to the meter stay and directly connect the 3-way valve with the short pipe.

② INSTALLATION POINTS:

Install the NAG unit inside the RAM Air box such that air pressure builds during riding.

- ✓ If your bike already has an electronic RAM AIR controller, such as the World Sports unit ('97 RS 250 included), disconnect it.
- ✓ Drill two approximately 4 mm holes in the side of your ram air box and secure the controller with tie wraps. Seal up the holes from the outside with duct or similar tape to prevent pressure leaks.
- ✓ The location and orientation of the controller inside the box is not important. To ensure proper performance, keep the length of the fuel lines to a minimum and check that there are no kinks which could potentially block airflow.
- ✓ Do NOT disassemble the controller body. All units are tested at time of shipment to ensure they are functioning properly. Disassembling the controller body can result in loss of performance.



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③ Line Installation Order

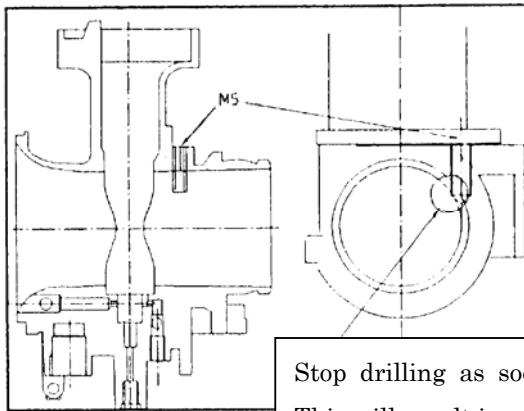
Air Side: Controller → 3-way Valve → Fuel Reservoir Tank (Catch Tank)

One-way Valve → Fuel Tank Cap

Connect the small line from the center of the controller to the carburetor vacuum joint.

Fuel Side: Looking at the top of the unit, locate the pipe that leaves the unit in the same direction as the arrow. Connect this pipe to the carburetor. Connect the other pipe to the peacock. NOTE: If these two fuel lines are reversed, gasoline will not flow through the system.

④ Carburetor Modification



As per the diagram on the left, drill a 5 mm hole for the supplied nipple into the carburetor body. NOTE: You don't have to drill a perfect hole, all you need to do is pierce the inner chamber to allow the unit to equalize pressure.

Stop drilling as soon as you start to break through.  
This will result in a crescent shaped hole.

⑤ Care/ Maintenance

- ✓ To clean the controller body, hold a finger over the vacuum hole so that fuel can't enter and flush with gasoline. Allow to dry naturally (**Do NOT blow compressed air into the orifices**). From time to time check to make sure the vacuum pipe doesn't leak by sucking on it with your mouth.
- ✓ Clean the 3-way Valve with a grease remover from all three directions and blow dry with air. The unit should make an audible sound when shook next to the ear. Make sure the unit is always kept dry.

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