

Yamaha Ribbon Remover

Part No. WR04083

Suits Models: 2018+ Yamaha SVHO

Parts Supplied:

- Ribbon Remover
- Rubber O-Rings x5
- M8 Hex Bolts x4
- Hole-saw Guide Plate

Tools Required:

- Hole-Saw 70mm Diameter
- 12mm, 10mm Socket
- Flat Blade Screwdriver (Short)
- Dremil or Linishing Sander

IMPORTANT: READ ALL INSTRUCTIONS BEFORE PROCEEDING WITH INSTALLATION

INSTALLATION INSTRUCTIONS:

Step 1: Disconnect the Battery

- Disconnect the battery from the negative terminal first, then the positive terminal.
- When disconnecting the fuel rail. Note that some fuel will leak; this step is to prevent fumes from igniting while working on the engine.

Step 2: Remove Engine Components

- Remove the top plastic cover from the engine.
- Remove the two brackets from the intake side of the rocker cover.
- Disconnect the ignition coil connectors and injector connectors.
- Remove the fuel rail supply hose. Note that some fuel will leak; it is best to store the hose in an elevated position to prevent further leakage.

Step 3: Remove Fuel Rail and Electrical Connectors

- Remove the fuel rail 3x 12mm bolts and any other electrical connectors connected to the manifold.
- This should provide access to undo the two hose clamps on the cold side intercooler hose going to the throttle body.
- Remove the intercooler hose to allow for manifold removal.

Step 4: Remove the Intake Manifold

- Remove the 10x 12mm nuts/bolts holding the intake manifold.
- Pull the manifold off the cylinder head and place it on a bench and remove the throttle body 4x 10mm bolts.

Step 5: Secure and setup the intake for ribbon removal

- Now make sure the intake manifold is secured to the bench or in a vice to begin the removal of the factory restricted ribbon.
- With the supplied hole saw guide and 4x M8 Hex Bolts secure this to the manifold ready to drill out the

INSTALLATION INSTRUCTIONS CONTINUED:

Step 6: Prepare the Intake Manifold

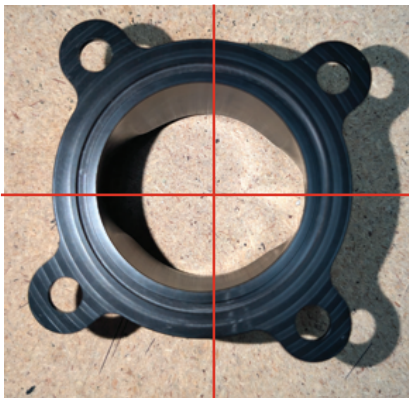
- Apply a small amount of grease to the outside of the 70mm hole-saw and drill out the factory ribbon.
- Finish down the inside to remove all edges to accept the Worx Racing ribbon remover
- Clean out the intake manifold of all debris once you have finished as you don't want this to enter your engine when re-installing you can use compressed air or run warm water through the manifold.

Step 7: Install Worx Racing Ribbon Remover

- Install the Worx Racing ribbon remover using the supplied O-rings.
- Add 4x O-rings to the sleeve.
- Add 1x O-ring to the flange.

Note the orientation of the ribbon remover to help distribute air evenly across all cylinders (refer to the picture attached below).

- Apply some grease to the O-rings on the sleeve.
- Fit the ribbon remover to the manifold; it should be tight, so some pressure will need to be applied.
- Once the ribbon remover is flush with the manifold, bolt the throttle body back on.
- Install the manifold back onto your ski in the reverse process of removal.



Horizontal



Vertical

