



WHERE NEED MEETS SPEED

MACSBOOST Intercooler Installation Instructions:
Appx install time 1.5hrs. <http://www.macsboost.com>



Contents of the kit:

- 1 - Custom MACSBOOST IC Core
- 1- Custom all silicone Intake Tube
- 1 - UHMW Bracket
- 2 – Custom hose Fittings
- 2 – pipe plugs
- 1 – 1.75” stainless T-bolt clamp
- 1 – 2” stainless T-Bolt clamp
- 2- 8mm x 1.25 x 60 bolts
- 1 – Pressure selection kit

Be **VERY** careful to not damage the blue intake hose. Replacement hoses are \$199! They will last forever if installed properly. Do **NOT** overtighten. The T-Bolt clamps should be used on the Intercooler side hose connections.

Verify all parts are on hand before installation

Step 1: Remove the rear handle, and body cladding on the port side of the watercraft. This will expose the sub-airbox as shown. Remove the 8 10mm bolts and small vacuum hose on the airbox cover.

Step 2: Remove the connector and hoses from the solenoid on the back of the sub-airbox and remove the connectors to the pressure sensor on the front of the box and temp sensor on the side.



Step 3: Remove the two velocity stacks 6x #2 Phillips screws.



Step 4: Remove the 8x 8mm screws holding the airbox on, loosen the inlet hose clamp, and remove the sub-airbox.



Step 5: Remove the stock intercooler, (2 water hoses, 2 air hoses, 10mm bolt) then remove the upper stock Intercooler brackets. 2x 12mm bolts ** 02 and 03 F12X require removing the computer from the port side of the hull to on top of the gas tank. Remove the computer from the bracket and place under the rear gas tank strap on top of the tank. The metal computer bracket will need to be bent or cut away to clear the MACSBOOST Intercooler.

Step 6. Remove the lower Intercooler bracket and airbox. When removing the airbox, remove the dark grey hose that goes to the wastegate solenoid. Remove the clear hose attached to the airbox. *Note the electronic wastegate solenoid must be vented to atmosphere, do not plug, filter or cap the solenoid. Air only exits the solenoid.*

Step 7: Loosen the outlet hose clamp on the turbo, the 10mm bolt and nut securing the turbo outlet tube to the exhaust tube mounting bracket, and remove the outlet tube.

Step 8: Attach MACSBOOST Bracket as shown with the supplied bolts. Torque to 15 ftlbs. Be careful not to over tighten and strip the plastic. The intercooler sits directly on top of the bracket.



This bracket prevents damage from jumping waves and securely locates the IC in place.

Step 9: Install fittings and large blue hose onto intercooler as shown. The hose rises vertically as it enters the intercooler. Use the 2" T-bolt clamp on the intercooler side. Use the stock worm gear hose clamp on the airbox side of the coupler.



Step 10: place the IC into the hull and attach the water lines and the turbo end of the large blue hose. Use the stock worm-gear hose clamp on the turbo neck.



Step 11: Test fit the Intercooler without the small 1.75" silicone hose fitted. Test airbox clearance to intercooler neck by holding the airbox in place.. The intercooler should not touch the airbox neck when fitted properly.. Re-use the Stock airbox/Intercooler hose. Use the stock clamp on the airbox side.

Step 12:
Reinstall the sub airbox but do not tighten the 1.75" hose clamps yet.. You may tighten the clamps after the sub airbox is reinstalled. Be careful not to overtighten the 8 - 8mm bolts!
Reinstall the velocity stacks, airbox cover, sensor connectors and hoses. Double check your water fittings and be certain of no leaks.

Step 13: Attach an air filter to the turbo. We recommend cleaning the inside of the rubber filter flange with brake cleaner or other solvent to remove all oil residue. Also, remove oil from the turbo neck. You can re-use the stock hose clamp as it is all stainless steel.

Be sure to push the entire flange on the turbo neck. Tighten the hose clamp while pushing the filter on the turbo. Once the filter stays and does not squirm off the turbo neck, put 1 more turn on the clamp. Do not overtighten. If there is oil on the neck it will likely fall off not matter how tight it is.



The breather pushes in the hose. You can cut it shorter if you wish and just leave a nub of hose and filter out the top.



Re-attach the side panels and rear grab handle on your watercraft and enjoy!



Salt Water Care: *ALWAYS* thoroughly flush the cooling system after each use with dish soap or a salt dispersant such as salt-away. *NEVER* let your watercraft sit overnight with salt water in the cooling system!

Winterizing: It is recommended that the intercooler be drained using the lower drain plug when winterizing. Be sure to store your watercraft nose up or level during the winter. Nose down can cause your oil cooler cover to freeze crack.

Please read the pressure selection instructions included with the kit to get the most out of your new MACSBOOST Intercooler!

Thank you for your business! If you need additional help, please look for us on the PWCTODAY and Green Hulk Honda PWC Forums. Email or call us for further support.