



P/N# RY1502D

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Riva Yamaha On-Line: <http://www.rivayamaha.com>

RIVA YAMAHA - SUPERJET DRY EXHAUST SYSTEM

INSTALLATION INSTRUCTIONS

Applications: 1990-1993 SJ650 and 1994-2000 SJ701

WARNING! DISCONNECT BATTERY AND TURN FUEL OFF BEFORE PERFORMING WORK

NOTE: If unsure of location and removal procedures, consult your Yamaha water vehicle's service manual. We recommend the use of 272 Loctite or 3-Bond Threadlock on all bolts installed with this exhaust system.

1. Remove the stock exhaust pipe and manifold.
2. Replace the stock Yamaha side squirter with the aluminum side squirter provided.
3. Cut the stock exhaust hose as per included diagram, attach it to the waterbox using a stock clamp but do not tighten it at this time. Slip the remaining stock clamp onto the elbow hose and leave loose.
4. Carefully clean the exhaust gasket surface on the cylinder. ***TIP: Use some carburetor cleaner and a razor blade to remove old gasket.***
5. Position the exhaust gasket against the gasket surface on the cylinder. ***NOTE: If installing this kit on a 1990-93 SJ650 you will need to use a 650 exhaust manifold gasket (Yamaha P/N 6M6-14613-A0-00) in place of the one supplied.***
6. Loosely thread two of the four supplied 8 x 30mm bolts with lock washers and flat washers through the exhaust gasket and into the center bottom threaded holes in the cylinder, leaving a 1/2" gap between the cylinder and the head of the bolt. Use the 272 Loctite or 3-Bond Threadlock provided.
7. Install a 90 deg. brass fitting into the exhaust manifold and attach the factory cooling line from the jet pump to the installed fitting on exhaust manifold. ***NOTE: Use a teflon based thread sealant on all threaded water fittings.*** Use the supplied hose clamp to secure cooling line. If not using water injection install supplied 1/8" plug into corresponding hole in manifold or if using water injection install your water sprayer fitting.
8. Slide the exhaust manifold between the exhaust gasket and the two loosely installed hex bolts. Install the two remaining 8x30mm bolts with lock washers and flat washers into the center top holes in the manifold. Install four of the factory manifold bolts into the remaining holes and torque all eight bolts to 30Nm (3.0 kg, 22 ft. lb.) starting with the bottom center bolts. Use the 272 Loctite or 3-Bond provided.
9. Unbolt the electrical box and move it to the right to allow room to install the pipe.
10. Install the two remaining 90 deg. brass fittings into the exhaust chamber body at the coupler end and the center top, install the straight brass fitting into the stinger end.
11. Spray the inside of the supplied silicone coupler with glass cleaner or soapy water and install coupler onto exhaust chamber flange and secure with supplied clamp, install second clamp onto other end of coupler. Install supplied O-Ring onto exhaust chamber flange.
12. Install the chamber onto the manifold making sure the coupler is seated tight against the machined surface of the manifold. Rotate the chamber against the hull and install both 3/8" x 10mm mounting nuts into the front and rear 10mm mounting holes on the cylinder head. Use Loctite 272 or 3-Bond Threadlock and torque to 28 ft. lbs. Install two rubber mounts onto the mounting nuts and hand tighten. ***NOTE: Never use Loctite on rubber mounts.*** Rotate the chamber back over the mounts and secure the chamber to the mounts using two 3/8" - 16 bolts, two 3/8" flat washers and two 3/8" external tooth washers. ***NOTE: The silicone coupler must seat flush against the lip on the manifold and the chamber, loss of performance may occur if not seated properly.***

13. Move the loose 3-1/2" hose clamp on the chamber so that it is 1/8" from the edge of the silicone coupler and tighten. Reinstall the electrical box.
14. Remove the two top left side bolts from the front (Mag) engine cover. Attach the remaining rubber mount to the mag cover bracket using a 3/8" nylock nut and washer. Install the entire assembly onto the front cover with the long end of the mag cover bracket pointing up. Secure with original bolts using Loctite 272 or 3-Bond and torque to 7 ft. lbs. Secure the chamber assembly bracket to the rubber mount with a 3/8" nylock nut and washer.
15. Slide the stock exhaust hose (cut as per diagram) over the stinger end of the chamber. Rotate the hose for best fit and secure hose clamps.
16. Install one of the supplied 11" cooling lines from the cylinder head fitting to the bottom barbed fitting on the chamber near the 3-1/2" coupler and secure both ends with supplied hose clamps. Install other 11" cooling line from the barbed fitting in the center of the chamber to the welded fitting with jet on the stinger and secure with supplied hose clamps. Install the supplied 10" cooling line from the barbed fitting on the stinger end of the chamber to the previously installed side squirter and secure with supplied hose clamps. Install the 1/8" vinyl cap onto the vent tube on the cylinder head and secure with the supplied 4" zip tie.
17. Check all hardware and clamps. Check all waterlines and electrical wires to make sure they are not touching the exhaust system. Reconnect battery cables.

IMPORTANT INFORMATION AND RECOMMENDATIONS

Maintenance: Routine maintenance is required to insure trouble free service from this exhaust system. Check all bolts and clamps before each use of the water vehicle.

Carburetor settings: The ideal carburetor settings will vary according to engine set up, altitude and atmospheric conditions. Check with your local dealer or call Riva Yamaha tech line for recommendations.

RIVA YAMAHA LIMITED WARRANTY

Riva Yamaha exhaust systems are warranted for one year to the original purchaser for workmanship and materials only. This is limited to defects in aluminum chambers and manifolds.

Finish, stripped threads, hoses, o-rings, gaskets, silicone couplers, hardware and clamps are not covered under this warranty. Also understand that this warranty does not cover any parts on watercraft other than the exhaust system. Modified Riva parts will be void of warranty.

Warranty does not include expenses related to freight or transportation of parts or compensation for any inconvenience or loss of use while being repaired. Do not return any defective parts without calling and receiving a "Return Authorization Number". This number must be used for all returns. This number must appear prominently on the outside of the box. All warranty claims must be accompanied by a copy of the original invoice, R/A number and description of problem with part being returned.

Riva Yamaha will repair or replace any defective part at our discretion. Replacement or repaired parts will be returned freight collect.

IMPORTANT: Technical Support

For answers to questions about installation and trouble shooting your Riva Yamaha exhaust system, contact:

Riva Yamaha tech @ 954-247-0705

Or your local Yamaha Accessory Dealer

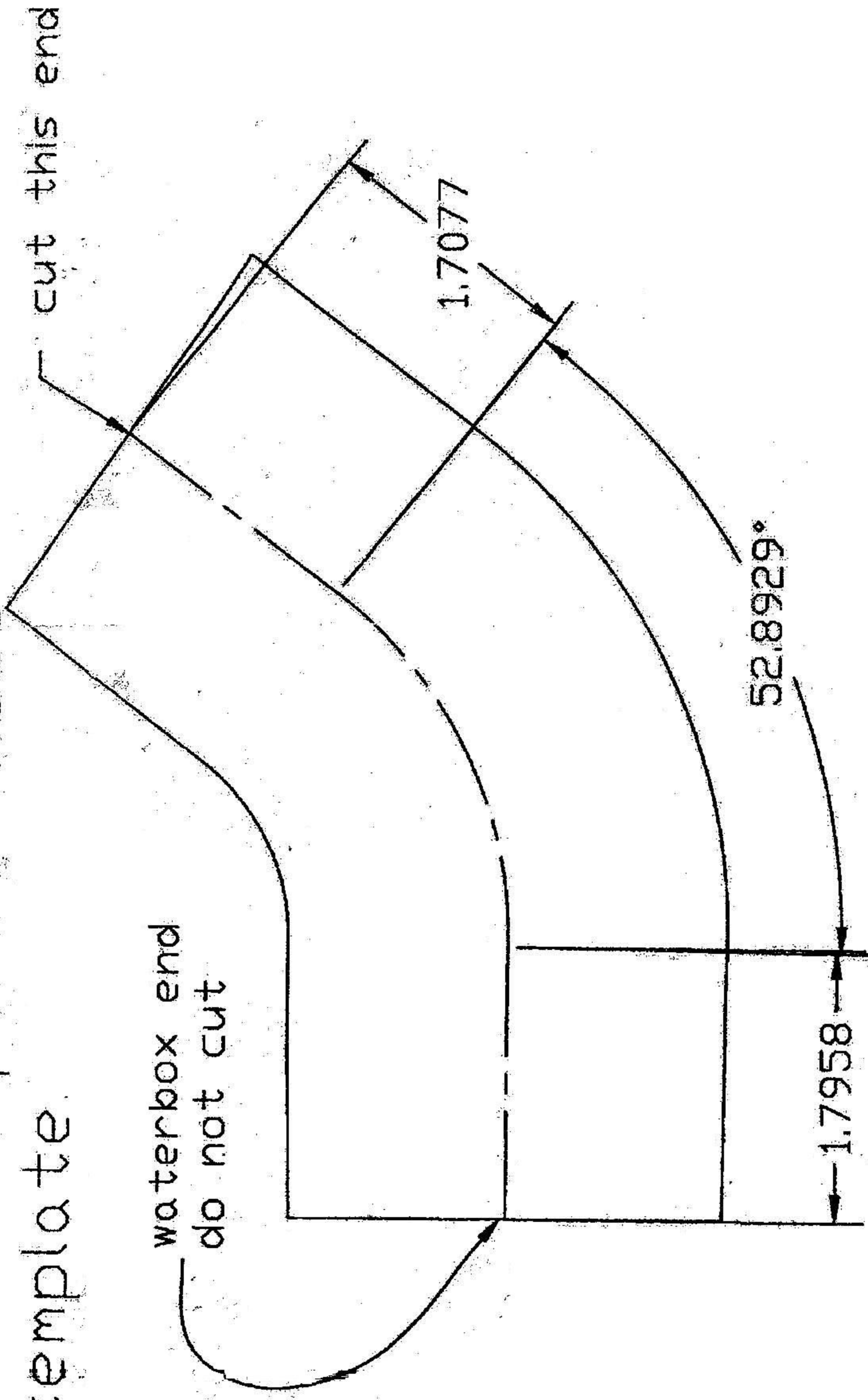
RIVA YAMAHA
BILL OF MATERIALS
701 Super Jet (Dry Pipe)

<u>Qty</u>	<u>Description</u>	<u>Part #</u>
1	Exhaust manifold	RY1502-A
1	Exhaust chamber	RY1502D-B
1	3-1/2" Silicone coupler	COM-HOS-0093
1	#337 Buna N O-Ring	COM-GAS-0235
2	Rubber isolation mount #J11729-190	COM-MNT-0052
1	Rubber isolation mount #J11729-168	COM-MNT-0050
1	Exhaust manifold gasket	2330
1	Side squirter	RY802P
1	1/8" Vinyl cap	n/a
1	4" Zip tie	n/a
1	Mag cover bracket	COM-BRK-0213
2	3/8"-16 x 10mm-1.25 SS Mount nut	COM-FAS-0030
1	#175, 177.5 or 180 Mikuni main jet	n/a
2	1/4npt x 3/8" barb 90 deg. brass fitting	129HB-6-4
1	1/4npt x 3/8" barb straight brass fitting	125-6-4B
1	1/8npt x 3/8" barb 90 deg. brass fitting	129HB-6-2
1	1/8npt Brass plug	219-2
5	#4 SS Hose clamp	6260252
2	#56 SS Hose clamp	6356052
4	8x30mm SS Hex head bolts	n/a
4	8mm Lock washers SS	n/a
2	3/8"-16 x 3/4in. SS Hex head bolts	n/a
2	3/8"-16 SS Nylock nut	n/a
4	3/8" SS Flat washer	n/a
2	3/8" SS Ext. tooth washers	n/a
4	8mm SS flat washers	n/a
1	3/8" x 10" Waterline	RY025
2	3/8" x 11" Waterline	RY025

CHECK CONTENTS AGAINST BILL OF MATERIALS. REPORT ANY SHORTAGES IMMEDIATELY

READ ALL INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION

95-99 SuperJet hose
template.



scale = full