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Yamaha 1100/1200 Billet Head Installation

<u>Quantity</u>	<u>ADA Part#</u>	<u>Description</u>
1	YA1100	Billet head shell
3	YA21ccL	1100 Domes(81-83.5mm bore)(cc = dome volume)
3	YA76ccL	1200 Domes(84-86mm bore)(cc = dome volume)
3	OR020	Upper dome o'ring - groove in dome
3	OR024	Upper dome o'ring - groove in shell
3	OR043	Compression o'ring - viton
1	ORYA1100	Outer head shell o'ring - water sealing
2	BF183890	1/8" x 3/8" 90° brass barb
1	BF18PLG	1/8" npt brass plugs

Read First!

Install the ADA Racing billet cylinder head with the water outlets on the intake side.

Do not use silicone on any of the orings or surfaces!

This head uses standard reach spark plugs, like NGK BR8ES or BR9ES.

You will also need to replace the 4 longer head bolts with the shorter ones that are used on the other 10 mounting locations.

Installation Procedure

- 1) Remove stock head and clean the top surface of the cylinder.
- 2) Install the 2 90° brass fittings in the outer cylinder locations. Install the 1/8" npt brass plugs in the center cylinder location.
- 3) Install all o'rings in the ADA Racing billet head, use small amounts of grease to hold them in place, do not use super glue or silicone.
- 4) Apply a small amount of grease to the small (OR020) o'ring at the top of the dome. This will allow the dome to easily slip into the head shell. Be careful when turning the head upside down to install onto the cylinder, as the domes can slide out of the head shell.
- 5) Make sure all the o'rings are in place and place the head on top of the cylinder with the water outlet on the intake side. You must be sure that none of the o'rings slip out of their groove, as this will cause an o'ring to get pinched and a water or compression leak could result.
- 6) Torque all of the head bolts to 15ft/lbs, in a center-out criss-cross pattern. Now, torque them again to 18ft/lbs.
- 8) After the 1st time out riding the head should be re-torqued.
- 9) The additional 1/8" npt hole in the ADA Racing billet head comes with a brass plug, but a barbed fitting can be installed for custom water routing applications.