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## Kawasaki 650 Billet Head Instructions

<u>Quantity</u>	<u>ADA Part#</u>	<u>Description</u>
1	KA650	650 Billet head Shell
2	KA65cc	Removable Dome (last 2 #'s=dome size)
2	OR042	Compression Oring - Dome to Cylinder
2	OR024	Head Shell to Dome Oring
2	OR020	Oring Around Top of Dome
1	ORKA650	Outer Head Shell Water Sealing Oring
2	BF183890	Brass Fitting - 1/8" npt by 3/8" 90° hose barb
1	BF18PLG	Brass Plug - 1/8" npt

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### Read First!

Please read these instructions completely through before starting the installation.

Please note that the ADA billet head is installed with the water outlets on the carburetor side of the engine. The ADA billet head does not use a head gasket and must be installed with the outlets on the carb side for proper cooling.

Do not use silicone or gasket sealer on any of the head surfaces.

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### Installation Procedure

- 1) Remove the stock head and clean the top surface of the cylinder.
- 2) Install the domes and all orings in the ADA billet head. Use grease to hold orings in place, do not use glue or gasket sealer of any kind!
- 3) Install the ADA billet head onto the cylinder with the water outlets on the carburetor side. Make sure that all orings stay in place and do not come out of their groove, causing them to get pinched.
- 4) Install the stock nuts and washers, first torque to 15ft/lbs then to 18ft/lbs. The torque pattern should be done the same as the stock head, center of head outwards. Re-torque the head bolts after the initial use and then periodically thereafter.
- 5) Water routing can be done different ways and careful experimentation is recommended. However, it is best to start with the stock water routing or if using an aftermarket exhaust system, the recommendations of the pipe manufacturer. When experimenting with water routing, always check front and rear cylinder temperature for consistency.