# X-Head DOHC

## **Installation Guide**



Fits 2010-2012 BMW R1200GS; 2013 ADV;

2010-2013 R1200RT; 2011-2014 R1200R; 2014+ R nineT

REV: 15 APR 15

#### **Care Instructions:**

Clean with soap and water. Armor-All works well to restore appearance.

- Parts: Left & Right Guards Left & Right Rubber Liners 6 - M6 Socket Head Cap Screws 6 - Washers
- Tools Required: 5mm Hex Driver Torque Wrench

#### \* PLACE THE BIKE ON ITS CENTER STAND ON LEVEL GROUND

- \* ALLOW THE ENGINE TO COOL BEFORE DOING WORK
- PERFORM INSTALLATION AT ROOM TEMPERATURE. Cold temperatures can contract the X-Head materials making it more difficult to install.
- **1.** Remove three existing fasteners from the sides of the cylinder heads.

#### ★ IF THE RUBBER LINERS HAVE SHIFTED POSITION DURING SHIPPING, RE-LOCATE THEM ON THE POSTS INSIDE THE GUARDS.

- 2. Position an X-Head with rubber liner over the cylinder head, aligning the mounting holes with the bosses on the engine.
- Loosely install three M6 Cap Screws with washers in the following sequence to prevent binding:
  - 3.1 Front
  - 3.2 Top rear
  - 3.3 Bottom rear

**NOTE:** After inserting the first screw half way by hand, push the X-Head against the cylinder to align the second holes and install the screw loosely. Aligning the third holes to insert the screw may require additional hand pressure.

 Tighten screws with a Torque Wrench and a 5mm Hex Driver.

## Tightening torque 7lb/ft; 10 Nm **DO NOT OVER TIGHTEN**







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#### Specialized Products for **BMW** twins

# X-Head DOHC



### Please read entirely before beginning installation

X-Head DOHC cylinder guards are designed to fit tightly against the cylinder and, depending on temperature and humidity in your area, may require extra hand pressure against the guard to align its mounting holes with the bosses on the engine when beginning to thread the screws.

### **SCREWS**

The standard screws are T30 Torx with a blue Nyloc thread locking patch applied. The patch does increase the resistance felt when starting the screws by hand. If threading is difficult as a result, you may scrape the Nyloc off with a wire brush, or screw it into a spare M6 nut to remove some of the material.

### PROCEDURE

To avoid cross threading screws and damaging the cylinder, it is important that screws with their washers be hand installed loosely at least 1/2 of the way in until all three are aligned and started. If you find it difficult to align the second and third screws, it helps to use a hair dryer to heat the shell to expand it, then try again.

After all three screws are cleanly started, use your tool to seat them by hand, then tighten with a torque wrench to 10Nm (7lb/ft). DO NOT OVERTIGHTEN.

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