



## Installation Instructions

### For Kodlin Performance Oval Cleaner for M8 VVT style engines- K29246 and K29247

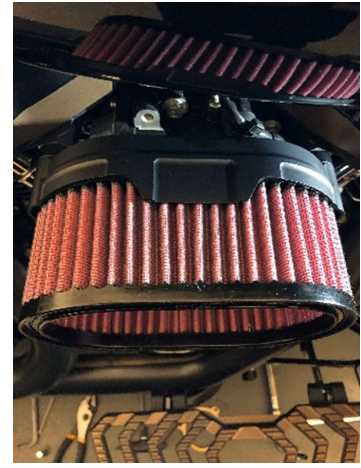
A FACTORY SERVICE MANUAL WILL BE HELPFUL IN PERFORMING THIS INSTALLATION. DO NOT ATTEMPT TO PERFORM THIS INSTALLATION IF YOU ARE NOT CONFIDENT IN YOUR ABILITY TO COMPLETE ALL OF THE STEPS IN THE PROCEDURE; CONSULT A TRAINED TECHNICIAN. IMPROPER INSTALLATION COULD RESULT IN SERIOUS INJURY OR DEATH.

**Note: Use medium strength thread locker on all hardware.**

1. Remove existing air cleaner assembly per the manufacturer's recommendations.
2. Remove original backing plate seal and if in good condition swap over to Kodlin backing plate making sure to align the tab with notch in backing plate.
3. While holding the backing plate near manifold connect the breather hose to the port on back of backing plate.
4. Install the three manifold bolts. Leave loose enough to allow movement for now.
5. Install each of the two backing plate to head bolts through backing plate then into the head. Align the backing plate with manifold then torque bolts to 19-21 ft-lbs.
6. Maintain manifold alignment and tighten the three manifold bolts to 55–60 in-lbs. See picture #1
7. With metal crimp on filter in the bottom position press the filter element onto the backing plate making sure to get it fully seated into the groove. See Picture #2.
8. Install each of two long allen bolts through cover, then through long spacer. See picture #3.
9. Insert cover on filter element making sure to get element fully seated into the groove around cover and backing plate. Start the bolts into threaded holes in the backing plate. Torque 50–55 in-lbs.
10. Install center insert using four small screws and snug down gently. Do not over torque or you will strip allen head.
11. Wipe down all surfaces and enjoy your new Kodlin performance air cleaner. See Picture #4.



Picture #1



Picture #2



Picture #3



Picture #4

**Note:** Applying a small amount of heat will help when removing small hardware installed with thread locker.

**Warning:** Make sure no fuel fumes are present!

**Note:** No warranty coverage is provided by Kodlin that is due to improper installation or lack of maintenance. Periodic maintenance and inspection is required. It is the installer's responsibility to ensure that all the fasteners are tightened before operation of the motorcycle. We recommend following the Mfg.'s torque specs.

**For the latest install guides, video's, FAQ's. and Tech-Tip's scan QR code!**



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