



FEULING®

PART NUMBERS: 5473, 5474, 5477, 5478, 5573, 5574, 5577, 5578

M-EIGHT BA® AIR CLEANER KIT INSTALLATION INSTRUCTIONS

**FITS: '23-'24 CENTER COOLED
FLHXSE, FLTRXSE, FLTRXSTSE
& '24 M8 TOURING (Except: FLHRXS, FLHTK, FLTRK)**

1. Use the proper tools for installation. Clean the intake with a clean rag to ensure it is free of debris.



TOOLS:

- 1.) Ratchet
- 2.) 5/32" Long Ball Allen
- 3.) 3/16" Allen Socket
- 4.) Extension
- 5.) 3/8" 12 Point Socket



Clean throttle body & blade

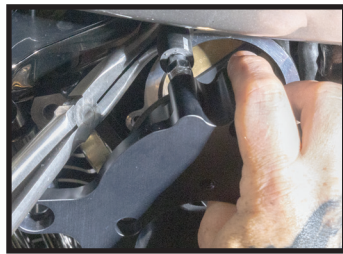
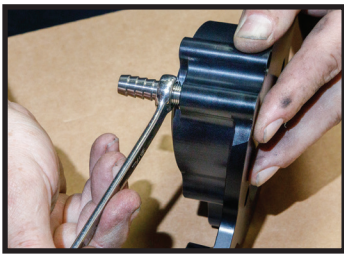
2. Slide OEM breather hose over barb fitting on back of backing plate.



Apply Loctite 545



Install snug - this is a tapered thread, no torque spec.

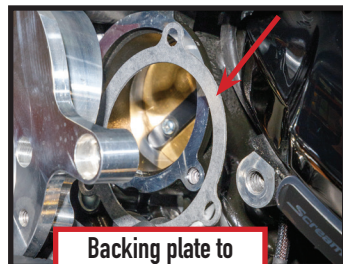


Ensure hose is securely fastened onto barb fitting. Wipe off any excess Loctite.

3. Place throttle body gasket behind backing plate. Use 263 Red Loctite when installing the 3 throttle body bolts. Hand tighten.

HARDWARE:
Throttle Body Bolts:
Qty. 3, 1/4" - 20 x 1.000"

ARP Backing Plate Bolts:
Qty. 2, 3/8" - 16 x 1.000"



Backing plate to throttle body gasket



Insert velocity stack bolts to help center backing plate



Hand tighten throttle body bolts

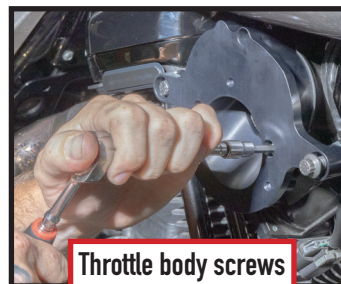
4. Use 263 Red Loctite on the two ARP Backing Plate bolts. Install and hand tighten. Torque the three backing plate to throttle body screws to **72in lbs.** Torque the two ARP backing plate bolts to **22-24ft lbs.**



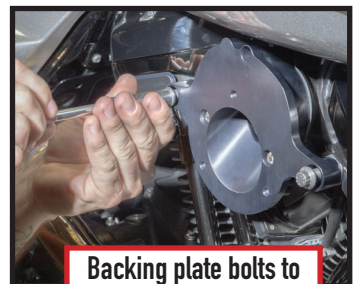
Use 263 Loctite



Hand tighten backing plate bolts



Throttle body screws
72in lbs.



Backing plate bolts to
22-24ft lbs.

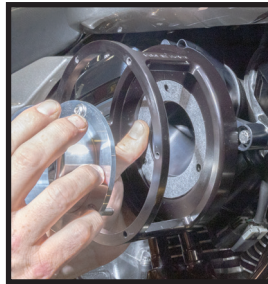
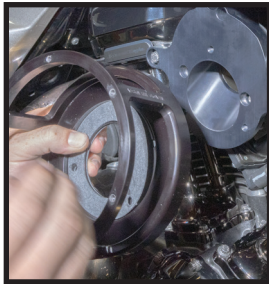
5. Install velocity stack gasket into air cleaner cage, then install velocity stack into cage. Insert the three velocity stack bolts and install air cleaner cage to backing plate gasket on back side of cage. Use 263 Red Loctite on velocity stack bolts. Clock the "T" on the inside of the cage to the top of the bolt hole on the backing plate.

HARDWARE:

Velocity stack button heads:
Qty. 3, 1/4" - 20 x 0.750"

Cover bolts (Long):
Socket head cap screw
Qty. 3, 10/32 x .750"

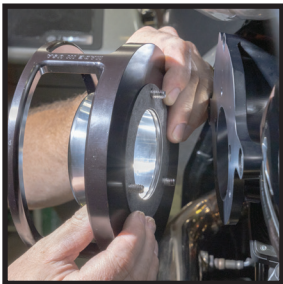
Cover bolts (Short):
Socket head cap screw
Qty. 3, 10/32 x .250"



T = TOURING

Clock air
filter cage.

6. Torque velocity stack bolts to **85in lbs** using a long ball allen socket. Install air filter ring gasket into base of cage.



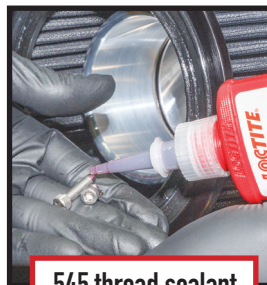
Velocity stack bolts
85in lbs.

Air filter ring gasket.

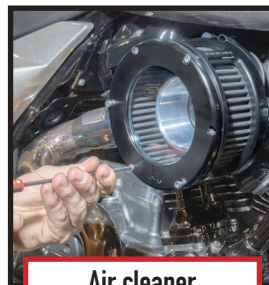
7. Lube both sides of air filter and install. Air filter should barely protrude lip of cage. Too much protrusion will crush filter. Remove filter gasket ring if needed. Use 545 thread sealant to air cleaner cover bolts. Torque to **30in lbs**. Wipe down all air cleaner surfaces, **GO RIDE!**



Lube air filter using
provided O-ring lube



545 thread sealant



Air cleaner
cover bolts **30in lbs.**



GO RIDE!

NOTE: FEULING DOES NOT RECOMMEND TUNING BEYOND STOCK EMISSION STANDARDS

*** STANDARD 1 YEAR WARRANTY:**

- WARRANTY COVERS MANUFACTURE DEFECTS.
- DOES NOT COVER PARTS THAT HAVE FAILED DUE TO IMPROPER INSTALLATION, MAINTENANCE, EXCESSIVE CRANKSHAFT RUNOUT, OR MISUSE.
- DOES NOT COVER ANY CONSEQUENTIAL DAMAGE RESULTING FROM A FAILURE OF A FEULING PRODUCT.

*** OPTIONAL 2 YEAR WARRANTY:**

- ADDITIONAL YEAR WARRANTY IS ONLY AVAILABLE IF PARTS ARE INSTALLED BY A PROFESSIONAL INSTALLER.
- THE ONLINE WARRANTY FORM MUST BE COMPLETED BY THE DEALER PRIOR TO BIKE DELIVERY.
- OIL TANK MUST BE DROPPED & CLEANED.
- CRANKSHAFT RUNOUT MUST BE BELOW 0.005"

NOTE: FOR FULL WARRANTY INFORMATION VISIT www.FeulingParts.com/WARRANTY

DISCLAIMER: NOT LEGAL FOR SALE OR USE IN CALIFORNIA ON ANY POLLUTION CONTROLLED MOTOR VEHICLE.

3740 Oceanic Way #304 - Oceanside, CA. 92056 // www.FeulingParts.com // 1 (866) 966-9767

9/26/24