



Brock's Performance • 4064 E. Patterson Road • Dayton, OH 45430 • Phone: 937-912-0054 • Fax: 937-912-0062

HARLEY-DAVIDSON M8 TOURING AIR SHIFTER MOUNTING KIT INSTALLATION INSTRUCTIONS

The Air Shifter Mounting Kit includes the bracket and hardware required to install an air shifter cylinder on Harley-Davidson M8 Touring models.

***Partial Kit* (Additional components are required for a complete air shifter system)**

Check Package Contents:

The Package Contents Include:

1. One (1) Air Shifter Mounting Bracket
2. One (1) Air Shifter Cylinder w/ Heim Joint and Air Fitting
3. One (1) Shift Linkage Heim Joint
4. One (1) M6-1.0 Shift Cylinder Shoulder Bolt
5. Two (2) 5/16"-18 Socket Head Cap Screws w/ Washers
6. One (1) 5/16"-24 Button Head Screw w/ Nylon Locknut



If your package contents differ, please contact Brock's Performance at 937-912-0054.

Tools Required:

1. 3/8" Ratchet Wrench
2. 18" Long 3/8" Extension
3. 1/4" Allen Socket
4. 1/2" Box End Wrench
5. 7/16" Box End Wrench
6. 3/16" Allen T-Handle
7. 4mm Allen Socket
8. 7/16" Socket
9. Torque Wrench

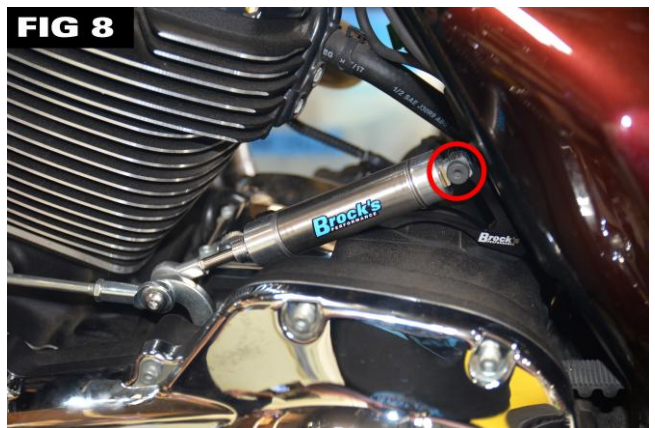
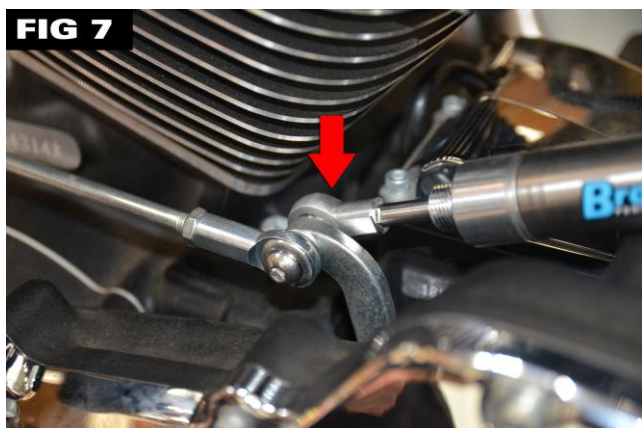
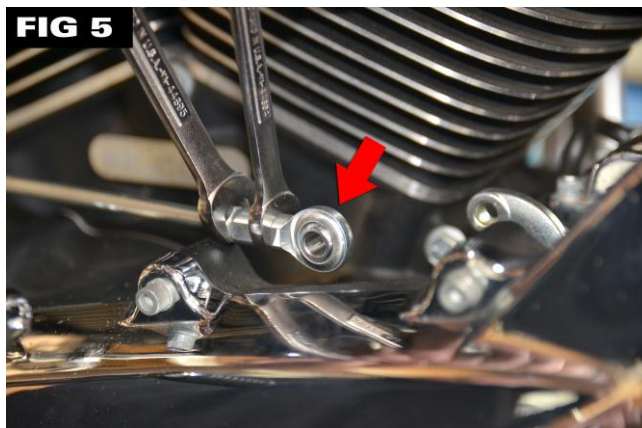
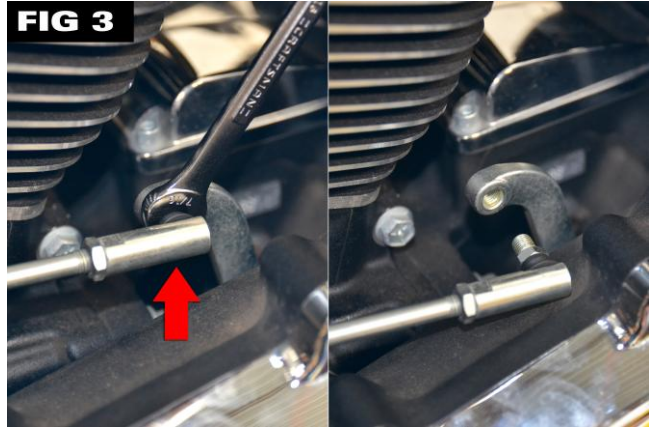
For additional installation support, please refer to the OEM service manual.

Installation Instructions:

1. Remove starter mounting bolts using the 3/8" ratchet wrench, 1/4" Allen socket, and 18" extension. To easily remove bolts, access from right side of the bike (Fig 1).
2. Align the mounting holes in the starter with the holes in the air shifter mounting bracket.



3. Insert and tighten the two supplied 5/16"-18 socket head cap screws and washers to OEM torque spec (Fig 2).
4. Using a 7/16" box end wrench, loosen the shift rod from the lever coming from the Primary (Fig 3).
5. Using a 1/2" box end wrench, loosen the jam nut on the end of the shift rod (Fig 4).
6. Mark the threads with a Sharpie at the rod end, indicating the location of the current adjustment point.
7. Using a 7/16" box end wrench, loosen and remove the rod end.
8. Replace OEM rod end with supplied Heim joint and tighten down to the Sharpie mark made on the threads.
9. Using a 7/16" box end wrench, hold the Heim joint in place, and snug the jam nut down against the Heim joint, using the 1/2" box end wrench (Fig 5).
10. Using the 3/16" Allen T-handle, insert the supplied 5/16"-24 button head cap screw through the Heim joint, and snug down on the lever coming out of the Primary so there is no side to side play in the shift rod (Fig 6).
11. Install the Heim joint side of the shift cylinder onto the back part of the button head cap screw.
12. Using the closed end of the 7/16" wrench, install and tighten the supplied lock nut. Torque to 144 in-lb. (16.3 Nm) (Fig 7).
13. Align the hole in the opposite end of the shift cylinder with the threaded hole in the top of the mounting bracket and secure using the supplied shoulder bolt. Torque to 106 in-lb. (12 Nm) (Fig 8).
14. Air shifter cylinder installation is now complete.



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