

5. Stop the engine. Remove the CKP (Crankshaft position) sensor within one minute.
6. Measure amount of oil drained from the sensor opening.
 - a. **Less than** 177.4 ml (6 fl oz): Go to Step 7.
 - b. **Greater than** 177.4 ml (6 fl oz): Go to Step 8.
7. The condition is not caused by sumping.
 - a. Explore other causes (fuel, timing, intake and so on).
8. The condition is likely caused by sumping.
 - a. Verify cylinder and piston integrity (scuffing, scoring, oil rings present).
 - b. Verify that connecting rod bearings roll free and smooth. Connecting rod bearings that require more than light force to separate may require additional service.
 - c. A reduction in piston jet assembly screw torque is expected after operation due to gasket compression. Unless piston jet assembly is visibly loose, the piston jet assembly gasket is mis-installed or the gasket or a screw is missing, the piston jet assembly joint will not cause sumping. Tighten piston jet assembly.
Torque: 3.1–3.7 N·m (27–33 **in-lbs**)

If engine damage is observed: Contact regional Technical Service.

If engine damage is not observed: Install new oil pump (Refer to Table 2.) and existing gerotor using the torque sequence below, then assemble engine and file the appropriate warranty claim. Refer to Table 3.

Install

1. Install cam support plate. See the service manual.
2. Refer to Figure 1. Follow modified tightening sequence.
Torque: 10.4–12.7 N·m (92–112 **in-lbs**)
 - a. Tighten screws 1-6.
 - b. Rotate crankshaft 360°.
 - c. Tighten screws 7-10.

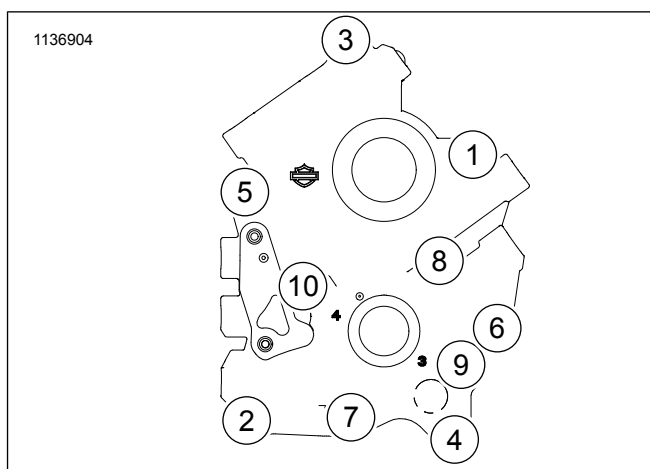


Figure 1. Cam Support Plate Tightening Sequence

Dealer Inventory Instructions

Use oil pump (Part No. 62400182 or 62400178) with a package date of 10/10/2017 or later for engines that are exhibiting sumping.

Extra information

1. When installing a Screamin' Eagle Stage III or Stage IV kit on a 2017 and 2018 Milwaukee-Eight equipped motorcycle built prior to 10/10/2017, a new pump assembly is required, which can be ordered through the regular part ordering process.
2. New oil pumps installed for new Stage III and Stage IV kit installations are reimbursed at cost. Refer to Table 4.
3. When performing an oil pump repair on an OE (Original equipment) 2017 or a 2018 Milwaukee-Eight equipped motorcycle built prior to 10/10/17, a new pump assembly is recommended. Order the new pump through the regular part ordering process.
4. For OE applications exhibiting this condition where an oil pump has been installed. Refer to Table 5.
5. New oil pumps installed for OE installations are reimbursed at cost. Refer to Table 5.

Credit Procedure: Reimbursement of Oil Pump Replacement

Reference this bulletin in the Event Notes/Comments of claim.

Table 3. Kits Registered to SWR

ITEM	DATA
Claim Type	PNA / Standard claim
Problem Part Number	Screamin' Eagle Stage III or IV Kit registered to VIN
Quantity	Leave Blank
Primary Labor Code	8865
Time	7.6 h
Customer Concern Code	3102
Condition Code	9106
Replacement part number	New oil pump and necessary miscellaneous parts. Refer to Table 2.

Submit a warranty claim for the new oil pump required for the installation of Stage III and Stage IV kits. Refer to Table 4.

Table 4. Oil Pumps Required for Installation of Kits

ITEM	DATA
Claim Type	DFS / PAM Sold
Problem Part No. ⁽¹⁾	62400121, 62400124, 62400143, 62400146, 62400178, 62400182
Quantity	Leave blank
Customer Concern Code	9901
Condition Code	9110
Replacement part number	62400178, 62400182
Quantity	1

(1) Built or packaged prior to 10/10/17

Table 5. OEM Credit Table

ITEM	DATA
Claim Type	MC / Standard Claim
Problem Part Number ⁽¹⁾	OEM oil pumps (62400121, 62400124, 62400143, 62400146, 62400178, 62400182)
Quantity	Leave Blank
Labor Code	3341
Time	5.5 h
Customer Concern Code	3102
Condition Code	9106
Replacement part number	62400178, 62400182

(1) Built or packaged prior to 10/10/17

Bulletin number M1450 must be entered into the comments section of the claim.

Return Parts

Hold all claimed parts for 60 days from date of credit issued for possible field inspection and/or request to return to factory. After 60 days, destroy and discard the parts.