



TECHNICAL SERVICE BULLETIN

Date: February 18, 2016
Expires:

Victory Motorcycle

Bulletin Number: V-16-01A-C
Model Years: 2015-2016

☐ Safety Bulletin

☒ Service Bulletin

☐ Service Alert Fax

☐ Production Update Kit

Distribution: ☐ Owner / Principal ☐ Service Manager ☐ Sales Manager ☐ Parts Manager ☐ Technicians

This Service Bulletin is located at www.polarisdealers.com

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SUBJECT: Victory International Cruiser—Exhaust Emissions

PURPOSE:

Victory has determined that some 2015-2016 Victory Cruiser motorcycles, certified for sale in the EU market and some non-EU countries outside of the United States and Canada, may not meet emission standards required by the EU directive 2002/24/EC. Victory has released an exhaust system inspection procedure and an ECM software update to bring emissions levels into compliance with EU requirements.

AFFECTED MODELS:

Model Year	Model Number	Model Name	Vehicle Identification Number Range
2015	V15GA36EA, V15HA36EA, V15HR36EB, V15HS36EB, V15LB36ET, V15LW36ET, V15LW36EZ, V15MW36EA, V15MW36ED, V15MW36EH, V15RW36EE, V15WW36EA, V15XB36ES, V15XB36EU	Victory Vegas, Hammer, Gunner, Judge, Boardwalk, Highball, and Jackpot	Enter the Vehicle Identification Number (VIN) into 'Unit Inquiry' to verify whether a vehicle is affected by this Service Bulletin.
2016	V16GB36EA, V16GB36EZ, V16HA36EA, V16HS36EB, V16LW36ET, V16LW36EX, V16MW36ED, V16WW36EA, V16XB36EU	Victory Vegas, Hammer, Gunner, Judge, Highball, and Jackpot	

WHAT YOUR DEALERSHIP SHOULD DO:

1. Review sales history and use 'Unit Inquiry' to locate affected VINs and determine which portion of this bulletin applies to each.
NOTE: Some VINs will require reflash of the ECM only, and exhaust system inspection is not necessary.
2. Follow the instructions outlined in this Service Bulletin.
 - V-16-01A – Complete ECM reprogramming procedure only
 - V-16-01B/C – Complete ECM reprogramming procedure and exhaust system inspection procedure
3. File a warranty claim using only the one applicable bulletin number immediately after completion of this bulletin.

PARTS / WARRANTY CLAIM INFORMATION:

A single group claim may be submitted listing the complete (17 digit) Vehicle Identification Number for machines with the same model number. File claim type **SB (Service Bulletin)**. DO NOT PUT MORE THAN ONE MODEL NUMBER IN A CLAIM.

ECM REFLASH ONLY	
SERVICE BULLETIN #	V-16-01A
CLAIM TYPE	SB (Service Bulletin)
LABOR ALLOWANCE	0.3 Hrs (18 minutes)
PART NUMBER / DESCRIPTION	N/A – No parts required

ECM REFLASH, EXHAUST CLAMP – INSPECT ONLY	
SERVICE BULLETIN #	V-16-01B
CLAIM TYPE	SB (Service Bulletin)
LABOR ALLOWANCE	0.3 Hrs (18 minutes)
PART NUMBER / DESCRIPTION	N/A – No parts required

ECM REFLASH, EXHAUST CLAMP – INSPECT AND REPLACE	
SERVICE BULLETIN #	V-16-01C
CLAIM TYPE	SB (Service Bulletin)
LABOR ALLOWANCE	1.3 Hrs (78 minutes)
PART NUMBER / DESCRIPTION	7081179 (QTY.3) – Exhaust Clamp SS 5246008 (QTY.2) – Exhaust Gasket Seal
PARTS AVAILABILITY	Available to order
DIRECT-SHIP FROM POLARIS?	No
TO BE ORDERED BY DEALER?	Yes

PARTS RETURN OR DISPOSAL INFORMATION:

Under no circumstances shall the parts removed in this repair be re-used, sold, or re-purposed for another application. It is your dealership / distributorship's responsibility to make sure every part replaced is taken out of circulation and disposed of properly.

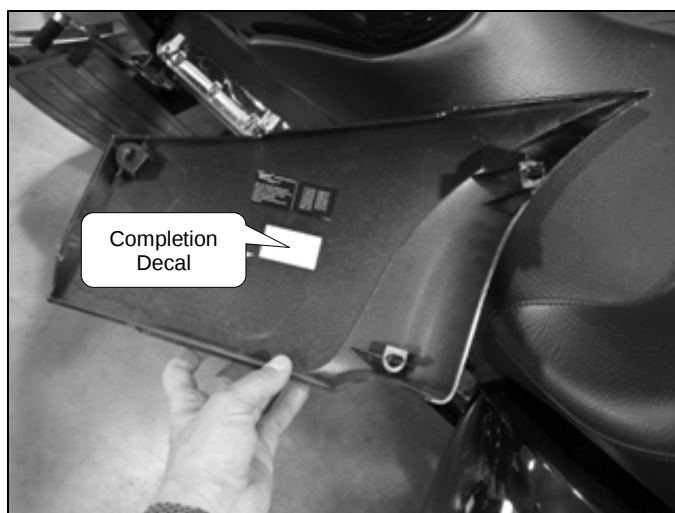
SERVICE BULLETIN COMPLETION DECAL:

A Service Bulletin Completion Decal (PN 7170107) must be completed for this bulletin repair. Place the decal beneath the left-hand side cover as shown. If you require more decals, order them through normal Polaris parts ordering channels.

Sincerely,



Doug Koch
Technical Service and Warranty Manager



ECM REPROGRAMMING PROCEDURE:

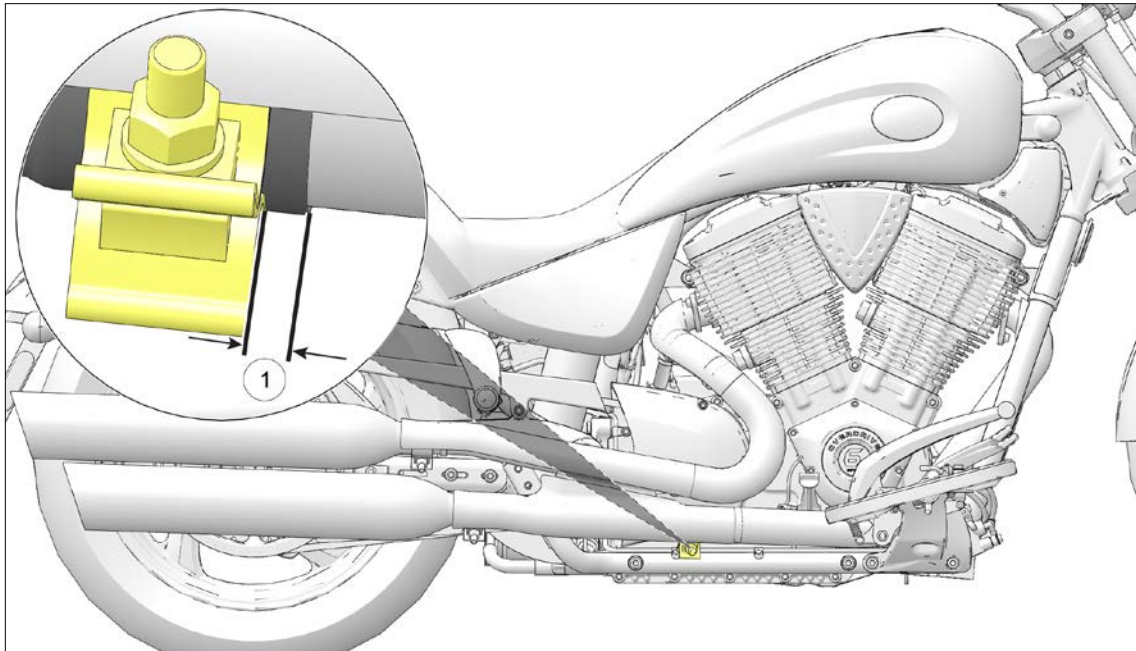
1. Verify that Digital Wrench version 3.7 Update 1/25/2016 has been installed on your PC or laptop and proceed to STEP 5.
If you do not have Version 3.7 – Update 1/25/2016 or higher installed, you must first download it before proceeding with the reflash.
2. Go to your dealer homepage and select **Digital Wrench Updates** from the **Service and Warranty** dropdown menu.
3. Click on **Digital Wrench Version 3.7 Updates**.
4. Download and install **Digital Wrench Version 3.7 Update 1/25/2016 or higher**.
5. Connect SmartLink Module cables to PC and vehicle.
6. Open the Digital Wrench program.
7. Select the model year, product line and vehicle description by selecting the “Change Vehicle Type” icon.
8. Select the **Special Tests** icon.
9. Select **Engine Controller Reprogramming**.
10. Select the applicable international calibration.
11. Follow the on-screen prompts until the ECM has been updated.



EXHAUST SYSTEM INSPECTION PROCEDURE:

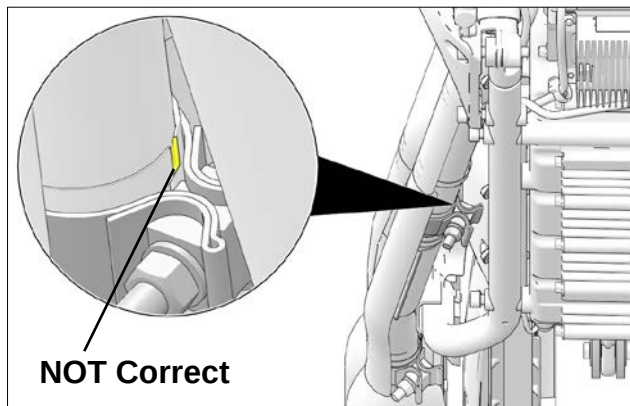
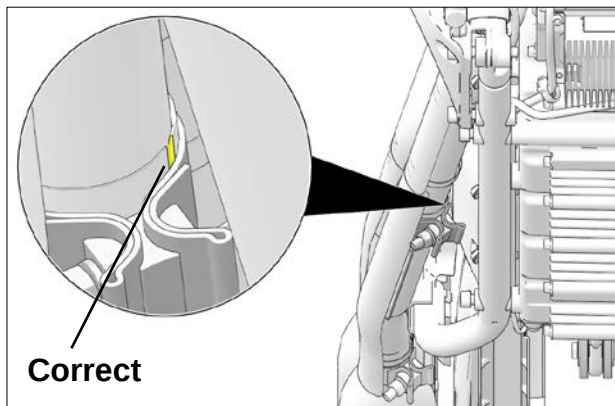
1. Locate the exhaust clamp between the mid pipe and the header pipe, shown below.
2. Inspect the placement of the clamp.

Clamp should be located at the front edge of the slotted mid pipe or up to 6mm (1/4 inch) depth ① toward the rear of the motorcycle. The clamp should never be located forward of the front edge of the slotted mid pipe.



3. Inspect the rotation of the clamp.

Open section of clamp should not line up with slot in mid pipe and be at least 45° away from the slot on either side. Band of the clamp should cover slotted sections of the mid pipe.



If clamp placement and rotation are **CORRECT**

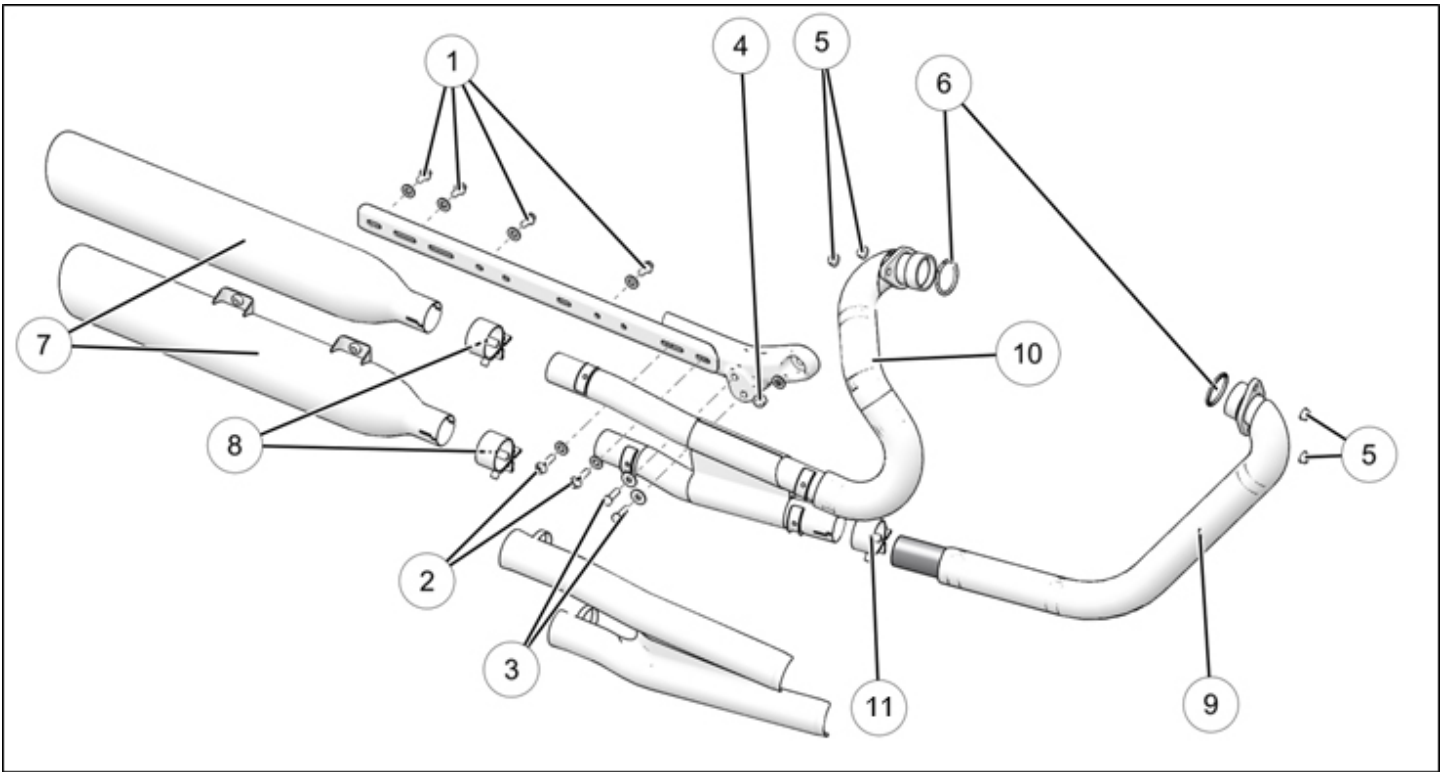
File a warranty claim for V-16-01B. No further action is required.

If clamp placement and rotation are **NOT CORRECT**

Proceed to EXHAUST HEADER PIPE INSPECTION AND CLAMP REPLACEMENT procedure.

IMPORTANT: Clamp should not be reused after removal. Loosening and repositioning of clamp is not recommended and may result in a vehicle that does not meet emissions requirements.

EXHAUST HEADER PIPE INSPECTION AND CLAMP REPLACEMENT:



Disassembly / Inspection

1. Secure the motorcycle safely on the side stand or on a table lift with front wheel in a wheel vise.
CAUTION! Allow exhaust system to cool completely before proceeding, to avoid burns.
2. Loosen upper muffer clamp (8).
3. Remove two upper muffer bolts (1).
4. Slide upper muffer (7) back to remove, discard clamp.
5. Loosen lower muffer clamp (8).
6. Remove two lower muffer bolts (1).
7. Slide lower muffer (7) back to remove, discard clamp.
8. Loosen the clamp (11) between the front (9) and rear (10) header pipes.
9. Remove flange nuts (5) from front and rear header pipe.
10. Remove rear header, discard clamp.
11. Remove and discard front and rear exhaust port gaskets (6).
12. Inspect rear header pipe slotted joint surface where it meets front header pipe. Pipe surface should be smooth and straight, free of any bending or deformation.
If NO bending or deformation is observed – Continue to the installation process below to reassemble the exhaust system using the existing rear header pipe and new exhaust clamps. File a warranty claim for V-16-01C.
If bending or deformation is observed – Submit a request for rear header pipe replacement through normal warranty channels. Continue to the installation process below to reassemble the exhaust system using the replacement rear header pipe and new exhaust clamps. File a warranty claim for V-16-01C.

Assembly

1. Install new exhaust gaskets ⑥ into front and rear cylinder exhaust ports.
2. Install rear header pipe ⑩ with new clamp ⑪.
3. Install and hand tighten front and rear cylinder flange nuts ⑤.
4. Install lower muffler ⑦, new clamp ⑧ and hand tighten lower muffler bolts ①.
5. Install upper muffler ⑦, new clamp ⑧ and hand tighten upper muffler bolts ①.
6. Torque front and rear cylinder flange nuts ⑤ to 16 Nm (12 ft-lbs).
7. Torque lower and upper muffler bolts ① to 24 Nm (18 ft-lbs).
8. Adjust placement and rotation of new clamp ⑪ according to EXHAUST SYSTEM INSPECTION PROCEDURE above and torque to 42 Nm (31 ft-lbs).
9. Adjust placement and rotation of new clamps ⑧ according to EXHAUST SYSTEM INSPECTION PROCEDURE above and torque to 42 Nm (31 ft-lbs).