

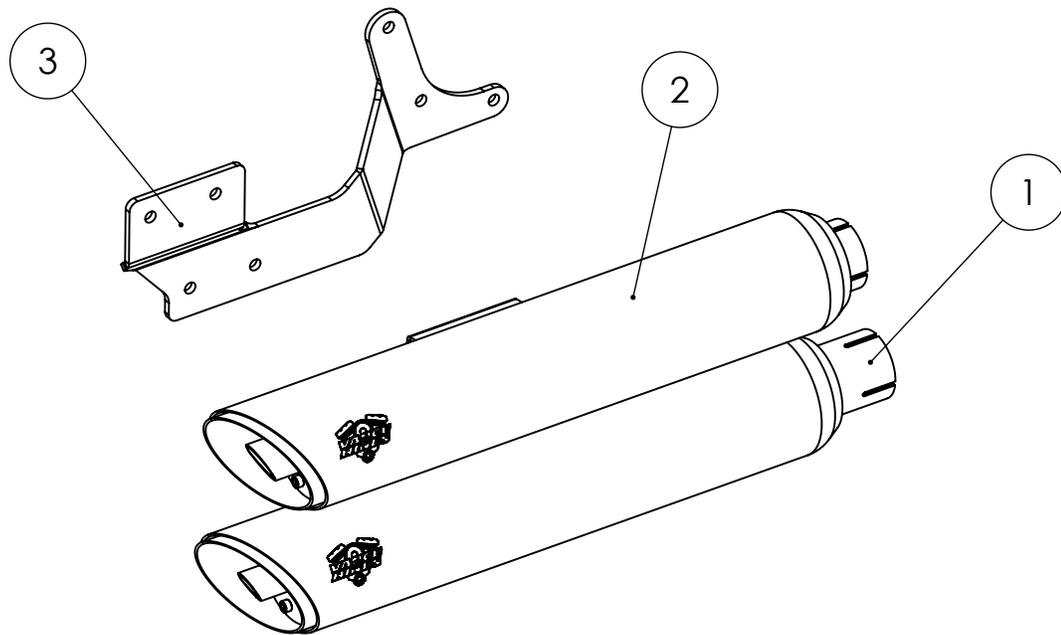
## INSTALLATION INSTRUCTIONS: HARLEY-DAVIDSON DYNA FAT BOB EC TWIN SLASH SLIP-ONS PART# 16776/46776

Congratulations, you have purchased the finest exhaust product for your motorcycle. This Vance & Hines exhaust product is type-approved for highway use in the European Union when installed on Harley-Davidson models. Please follow the installation instructions below and if you have any questions, please call our technical support line at (562) 926-5291.

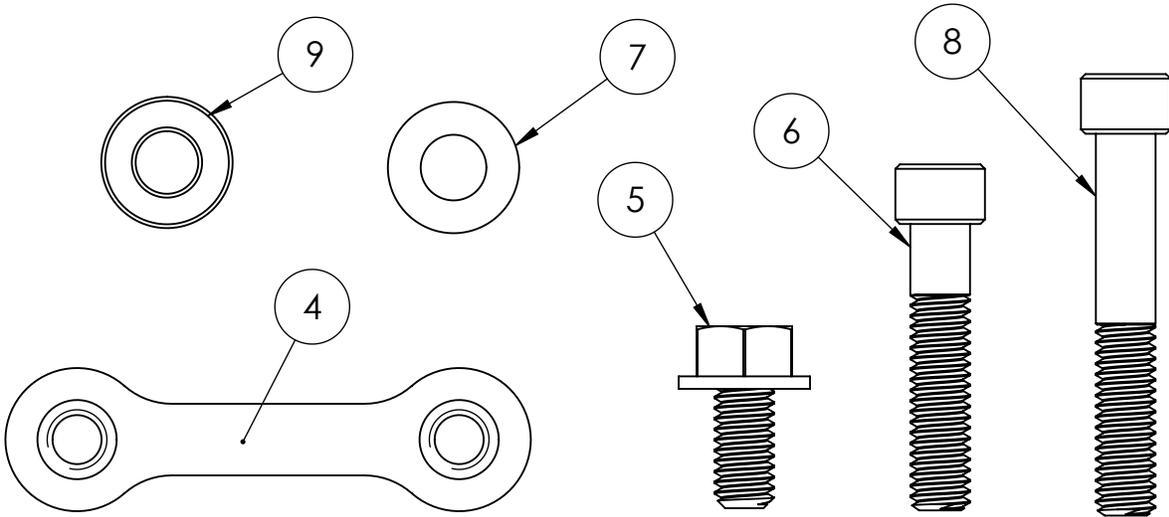
Attention installer (if other than owner), please forward this instruction sheet to the owner of this product. These instructions contain valuable information to the end user.

### PARTS LIST

ITEM NO.	DESCRIPTION	QTY.
1	FRONT CYLINDER MUFFLER ASSEMBLY	1
2	REAR CYLINDER MUFFLER ASSEMBLY	1
3	MOUNT BRACKET	1
4	DOGBONE NUTPLATE	2
5	FHS 5/16-18 X 5/8"	4
6	5/16-18 X 1.5IN SHCS	3
7	5/16 SAE FLAT WASHER	3
8	5/16-18 X 2.0IN SHCS	1
9	BRACKET SPACER	1



## HARDWARE



## TOOLS REQUIRED



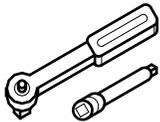
FLAT BLADE  
SCREWDRIVER



5/16 NUT DRIVER



1/2" WRENCH



RATCHET: 3/8" DRIVE  
SOCKETS: 9/16", 1/2", 7/16"  
9" EXTENSION

## STOCK EXHAUST SYSTEM REMOVAL

1. Remove the two bolts that are holding the mufflers to the muffler mounting bracket.
2. Loosen the two Torca clamps that are holding the mufflers to the head pipes.
3. Remove the stock mufflers by sliding them off the each head pipe.
4. Loosen , but do not remove, the exhaust flange nuts from each cylinder head.
5. Loosen the hose clamps on the collector heat shield.
6. Remove the left bolt below the transmission cover. This will be reused. **(Figure 1)**
7. Position the V&H bracket(3) over the mounting location to determine which two bolts are to be removed (Figure 1).
8. Remove the muffer mount bracket by removing the three bolts that hold the mount bracket on. NOTE: There are two bolts that are studs and they need to be removed as well.
9. Install the removed bolt from step 4 into the top hole left vacant by the new bracket. **(Figure 1)**

### VANCE & HINES EXHAUST INSTALLATION

1. Attach the V&H mounting bracket(3) to the transmission and tighten to 12-15 ft/lbs. **NOTE: 2008 to 2011** models use three 5/16" x 1 x 1/2" hex head bolts(6), washers(7), and spacer(9). The spacer is located inbetween the bracket and transmission at the top hole. **2012 to 2014** models use one 5/16" x 2" hex head bolt(8), washers (7), 1 1/16" spacer(9) in the top hole and two 5/16" x 1 1/2 hex head bolts(6).
2. Remove the muffler assemblies from their protective packaging.
3. Slide the stock muffler clamps onto the inlets of each muffler body. Slide the muffler assembly(1) onto the lower (Front) head pipe until the muffler body makes contact with the stock header heat shield. The clamp must be oriented with the nut accessible from below. Tighten the clamp enough to hold the muffler in place and allow for adjustment later.
4. Repeat step 4 with the upper muffler assembly(2). The clamp must be oriented with the nut being accessible from the top.
5. Using the 5/16" x 5/8" flange head bolts(5) and nutplates(4), attach the mufflers to the muffler support bracket. Leave them loose at this time.
6. Align mufflers so they set level. Tighten the muffler mounting bolts.
7. Tighten exhaust flange nuts on both the front and rear cylinders.
8. Tighten the clamp holding the muffler onto the head pipe. Check oreintation with stock heat shields to insure that you do not have an interference between the clamp and the stock heatshield.
9. Tighten the collector heat shield hose clamps.
10. Be sure to verify that all hardware has been tightened before starting your motorcycle.

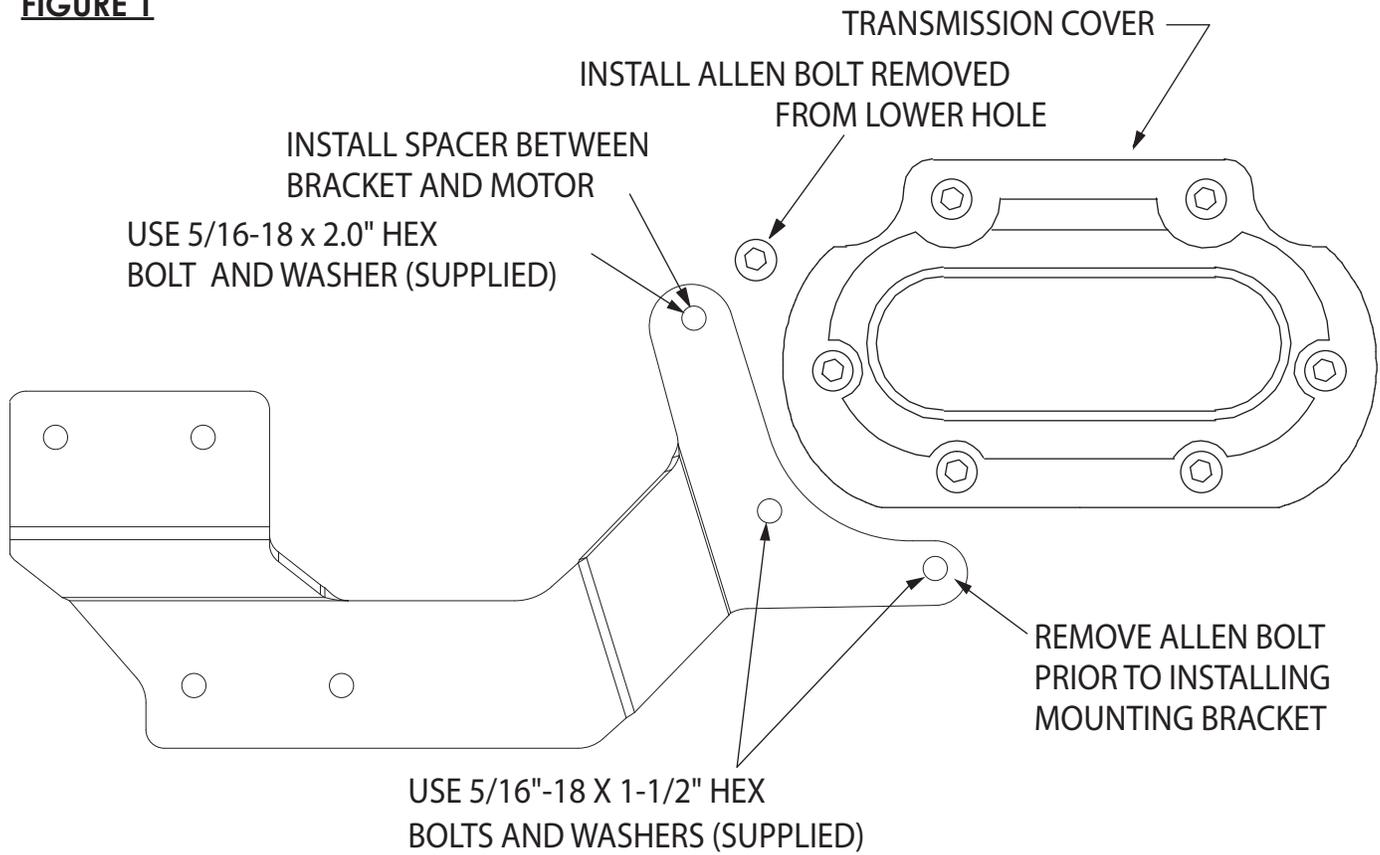
### EXHAUST CARE

1. When installing a new set of chrome pipes, make sure your hands are clean and free of oil. After installation, thoroughly clean pipes with a soft cloth and cleaning solvent that will leave no residue (chrome wax/polish, glass cleaner, alcohol, ammonia, etc.) before starting the motorcycle.
2. Avoid long periods of idling as this can cause discoloration.
3. Intake leaks can cause the engine to run lean and overheat, this could lead to discoloration.
4. Make sure there are no exhaust leaks at the junction of the exhaust pipes and the cylinder head. We recommend replacing gaskets if they are worn.

### EXHAUST CARE (BLACK)

1. When installing a new set of black pipes, make sure your hands are clean and free of oil. After installation, thoroughly clean pipes with warm soapy water and a soft cloth. Dry with a clean towel to remove any residue before starting the motorcycle. Do NOT use anything abrasive to clean the pipes.
2. Avoid long periods of idling as this can cause discoloration.
3. Intake leaks can cause the engine to run lean and overheat, this could lead to discoloration.
4. Make sure there are no exhaust leaks at the junction of the exhaust pipes and the cylinder head. We recommend replacing gaskets if they are worn.

**FIGURE 1**



**Emissions Notice:**

In California, in order to meet Air Resources Board emissions requirements, certain aftermarket part applications have been identified as replacements, and others have received ARB Executive Orders. All other emissions related aftermarket parts are for competition use only. A list of replacement parts and OE parts, and corresponding fitment is provided at [vanceandhines.com/California](http://vanceandhines.com/California).

**Warranty:**

All Vance & Hines products are warranted against defects in material and workmanship for a period of 90 days. This warranty does not cover discoloration or rust. This warranty shall be limited to the repair or replacement of the product, which may be proven defective under normal use. Vance & Hines will not warranty any system that has been abused, misused, improperly installed or modified.

Dealers or distributors are not authorized to make dispositions binding upon Vance & Hines. Vance & Hines will not be responsible for any labor charges incurred in removing or replacing any system under warranty. A return authorization number and a copy of the original purchase invoice must accompany all returns. Parts returned without a return authorization may be refused.

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