

Campaign – Air Intake Snorkel Upgrade

MODIFICATION INSTRUCTION

Bulletin No. 2016-4

Date: Aug 31 2016

Systems affected

EBB-60 trailer

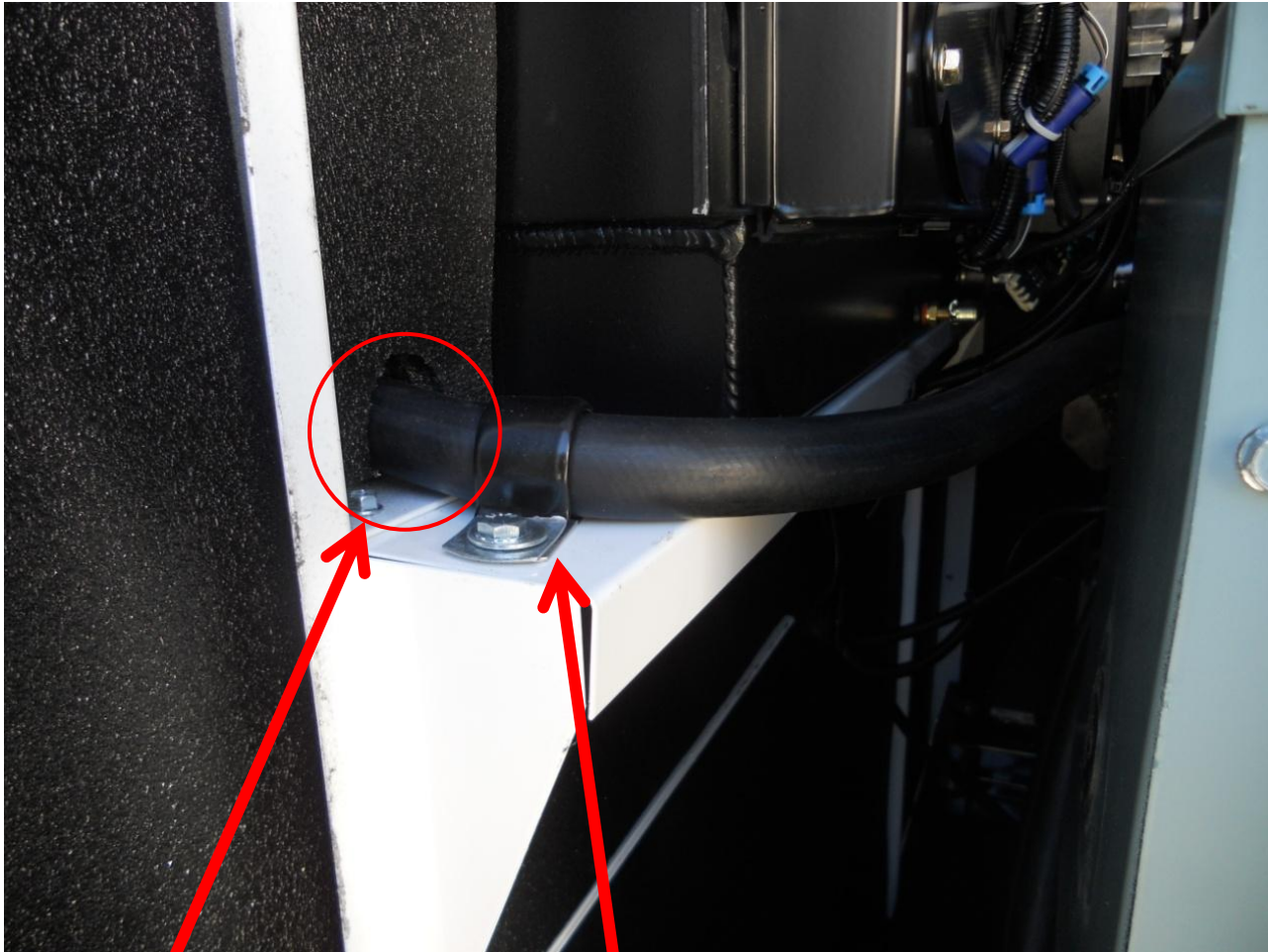
Background

The introduction of air intake ducting from the underside of the trailer results in improved engine cooling and performance. Rerouting of breather tube will re-direct oil residue away from engine.

Parts required

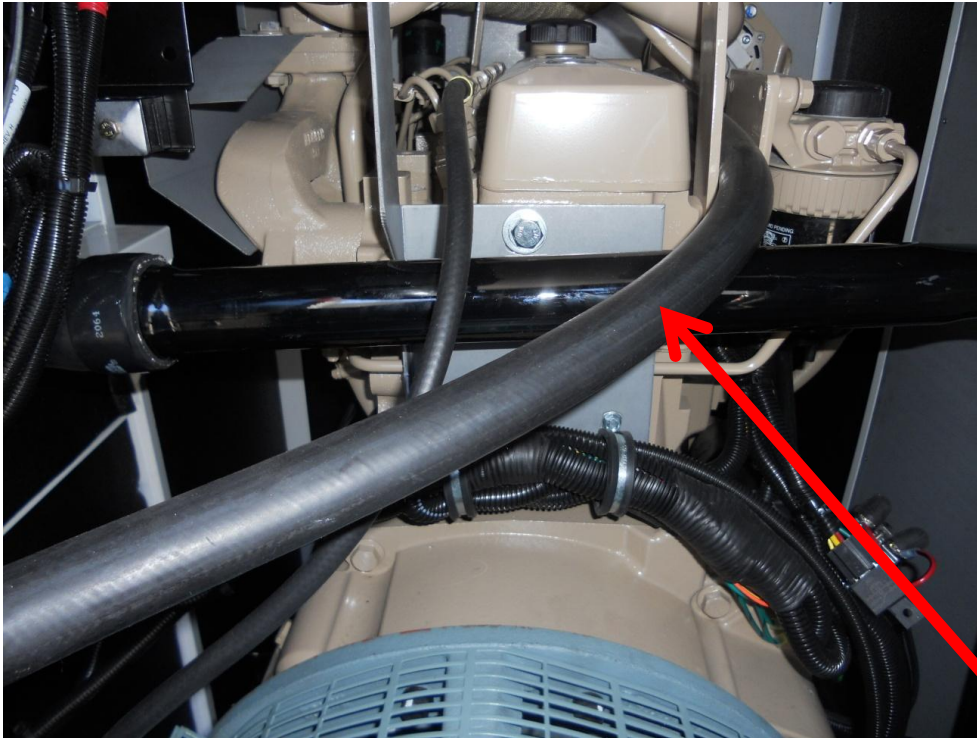
PART #	DESCRIPTION	QTY
99901.073	REDUCER COUPLER 4 1/2 to 4	1
99901.074	ELBOW COUPLER 4 x 4 BLK 45DEG	2
83900.522	CLAMP HOSE (BS) #72 5-3x1/2	6
86900.578	BUSHING SNAP 1 1/2" HOLE BLACK	1
83900.197	BOLT,@1/4-20 X 3/4 GR5 ZP#1300	1
83900.423	WASHER,FLAT USS 1/4 ZINC	2
83900.092	NUT, (BS) FIN HEX @ 1/4-20 GR5	1
05329.339	EXHAUST PIPE 4", LOWER EBB-80	1
05330.339	AIR TUBE 2ND EBB-60	1
05330.338	AIR TUBE 1ST EBB-60	1
05330.337	SUPPORT, INTAKE TUBE EBB-60	1
83900.036	SCREW@TEK 10-16X3/4 Z3 DF HX W	8

Procedure
Breather hose relocation



A 1-1/2" hole must be carefully drilled beside the radiator through the insulation and the sheet metal wall. Install plastic bushing 86900.578 into hole.

Note that breather hose clamp is to be moved from engine bellhousing bolt and reused. Insure that bellhousing bolt is replaced. Use 1/4-20 hardware to secure.



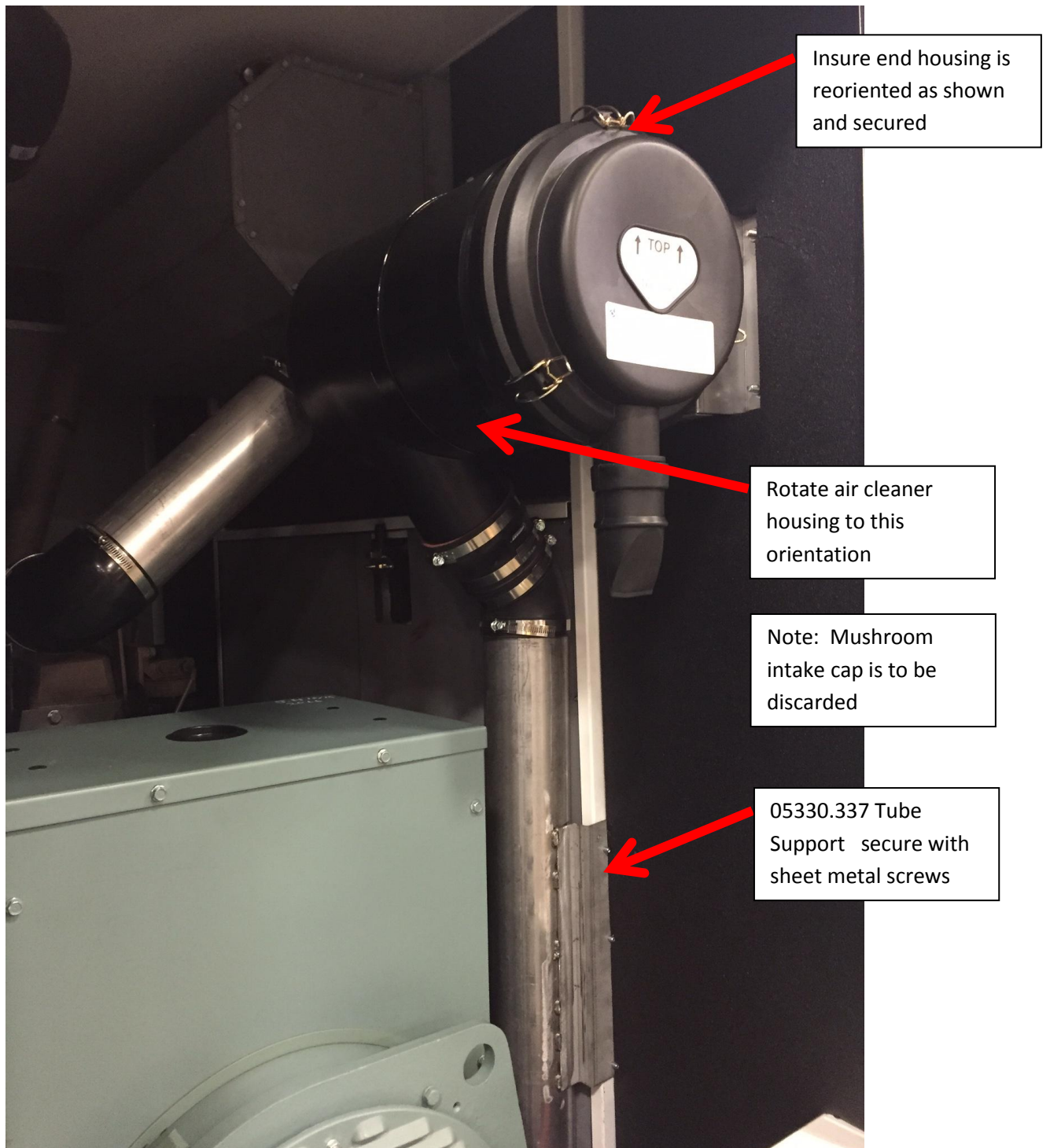
Breather hose routing



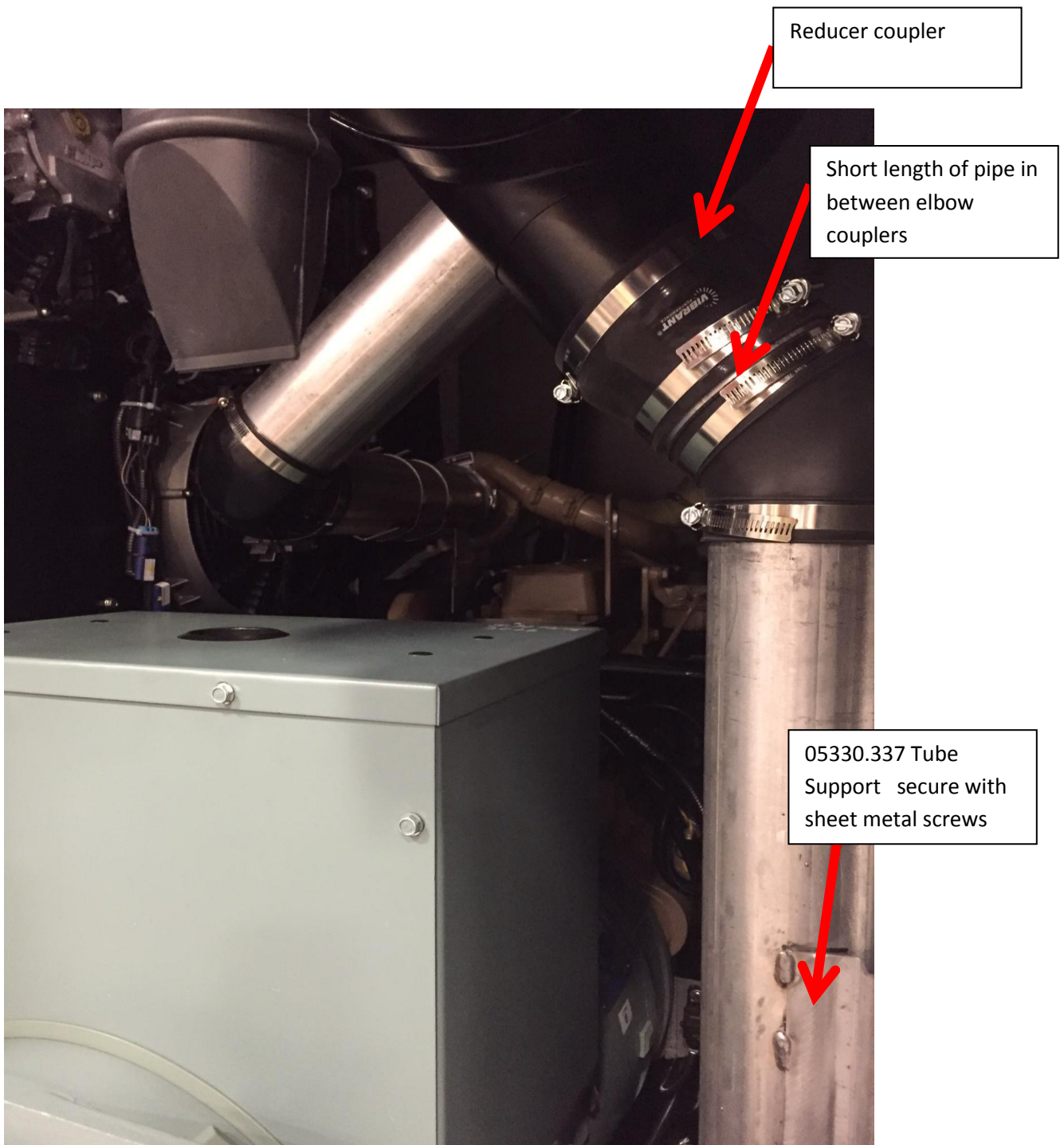
Procedure

Air intake snorkel

1. Loosen air filter brackets and rotate housing as depicted so that intake makes a 45 degree angle with the vertical. Rotate housing end so particle trap points downward. Tighten air filter brackets.
2. Discard mushroom intake cap.



3. Install 45 degree elbows with hose clamps as depicted. Use short length of pipe in between rubber adapters.
4. Orient longer intake pipe to run along interior door.
5. Secure intake pipe with 05330.337 Tube Support bracket and sheet metal screws. See illustrations.



6. Finish installation with second 45 degree elbow, clamps and beveled intake portion oriented as depicted:

