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Portable Power

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Technical Service Bulletin

Bulletin #: CMP-TSB – 2009-001
Date: 18-February-2009
Product: COMPRESSORS
Subject: 7/20 New exhaust design

MODELS	SERIAL NUMBER
7/20	120001 →

MODELS	SERIAL NUMBER
P65	120001 →

Limitations:

Units produced prior to 03/2004 do not have the cooler wall bracket and rubber dampers needed to mount this silencer.(fig.2)

These machines will therefore have to be fitted with those components to allow new silencer install.

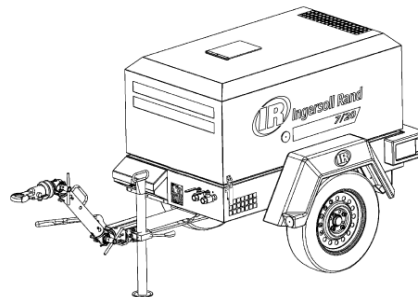
Instruction can be found in this TSB.

Design Change:

The standard silencer will be replaced by one with a spring tension clamping system on the engine exhaust header.

While effectively sealing the flange connection it will still allow for a certain amount of movement between engine and silencer.

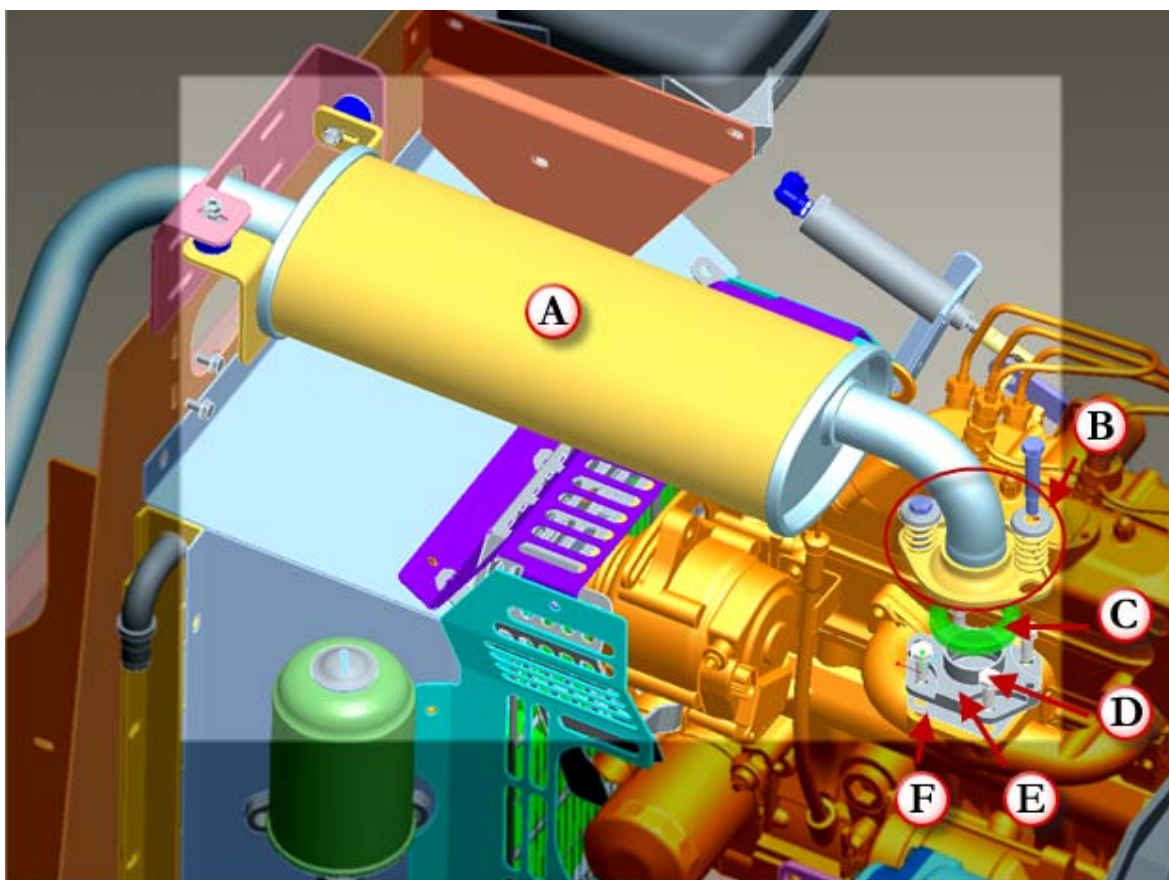
This flexibility will allow the exhaust to remain rigid while engine assembly vibrates.



Retrofit Kit Components:

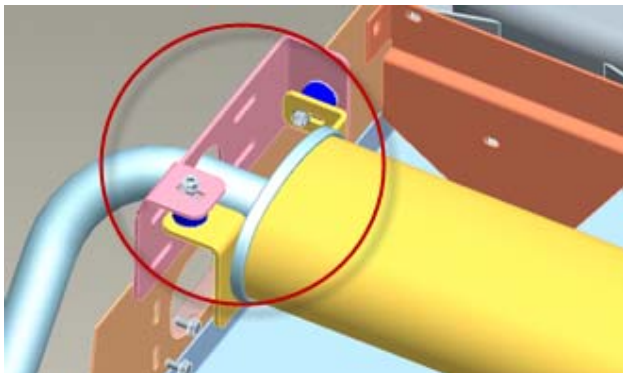
Complete Muffler Install Kit 23354772				
Kit Content		Description	CPN	Qty.
B	→	Spring Assy Kit	46502076	1
A	→	Muffler	46501789	1
C	→	Sealing Ring	46501797	1
D	→	HexHeadScrew	96702055	2
E	→	Flange	46501805	1
F	→	Gasket	22307409	1

Fig.1



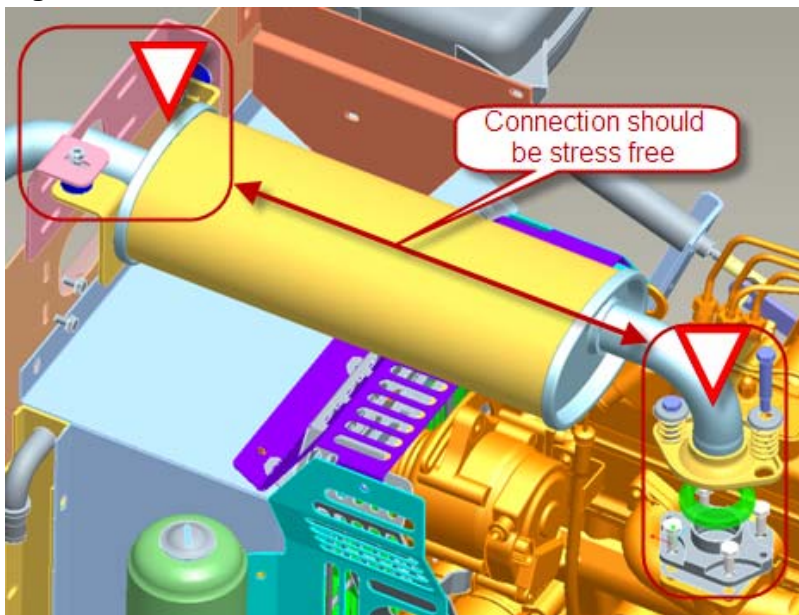
Mounting Instruction with bracket setup as below: Units after 03-2004

Fig.2



1. Place gasket (F) on the engine manifold flange.
2. Place Flange (E) on top of the gasket and fixate using Screw (D) at 23Nm.
3. Assemble muffer (A) with vibration dampers and bracket. Nuts on dampers should be hand tight only at this point.
4. Place Sealing ring (C) on flange (E) with conical side pointing upwards.
5. Install kit (B) on the muffer
6. Align and fit the pre assembled muffer on the cooler wall and exhaust manifold. Handtight only.
7. Torque the two spring bolts to 23Nm.
8. Tighten the vibration dampers to the cooler wall bracket. Take care not to deform the dampers.
9. Install bracket to cooler wall and torque.

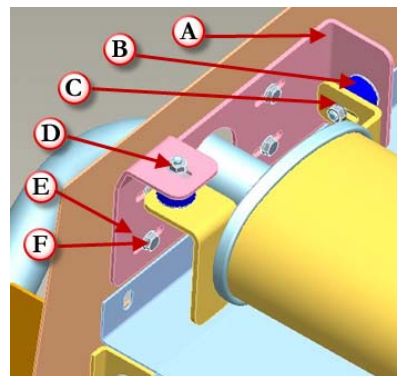
Fig.3



Mounting Instruction without bracket & dampers: Units before 03-2004

Compressors produced prior to 03-2004 are not fitted with the bracket and dampers setup as show in figure 5. Please order 23354772 + items A-B-C-D-E-F.

Complete Muffler Install Kit 23354772 +				
Kit Content		Description	CPN	Qty.
A	→	Bracket	22415582	1
B	→	Rubber Damper	22431704	2
C	→	Washer	92341981	4
D	→	Locknut	22307656	4
E	→	Nut	96704176	4
F	→	Screw, flanged	92184811	4



Follow previous instruction up to and including line 6 in the previous assembly section, from then on proceed as described below.

7. Align the muffler-bracket assembly on the cooler wall.
8. Torque spring tension bolts to 23Nm while making sure muffler bracket is parallel to cooler wall.
9. Mark position of bracket slot holes on cooler wall. Take care to ensure the hole position is correct in order to create a stress free mount.

Fig.4

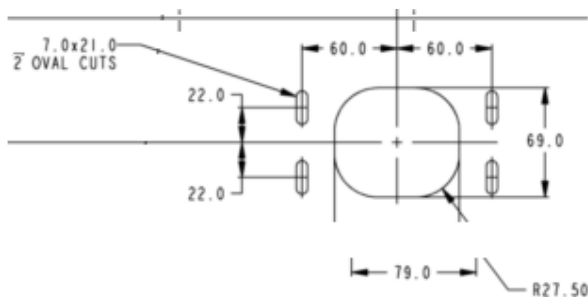
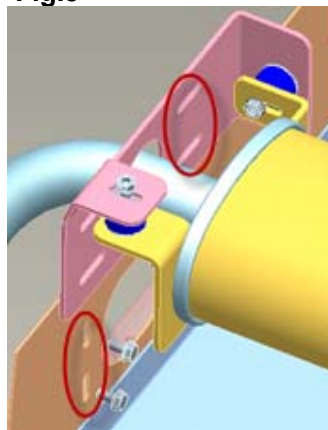


Fig.5



10. Move muffler assembly to gain access to cooler wall for drilling.
11. Drill bracket mounting holes according to drawing (fig.4)
12. Align and fit the pre assembled muffler on the cooler wall and exhaust manifold.
13. Torque spring tension bolts to 23Nm while making sure muffler bracket is parallel to cooler wall.
14. Install bracket to cooler wall and torque.
15. Test run compressor and check for exhaust leaks or loose components.

Note:

Figure 5 shows the bracket and cooler wall slot holes, this setup allows for increased mounting flexibility and a stress free assembly.

Important Information:

Standard warranty conditions apply.