

Subject

Best Practice: Allow UNDERHOOD 30 CFM Air Compressor Systems to Blow Down Before Restart

System or Parts affected

All UNDERHOOD 30 CFM Compressor Systems.

Overview

- During normal use, the UNDERHOOD 30 CFM Air Compressor System builds to its set maximum downstream pressure, after which the compressor clutch will disengage and the system will “blow down” its internal pressure.
- When downstream pressure drops due to air demand (tools etc.) the clutch engages and the system builds air pressure to compensate until it reaches the set pressure, as described above.
- Best practice for increased compressor life is to allow the system to completely blow down between air usage.
- When the compressor clutch disengages, there will be an audible hiss of air from the blowdown muffler located either on the WHASP tank (Figure 1), or plumbed to a location outside of the vehicle body (Figure 2). Allow this blowdown to completely subside before using air again. This will take between 15-20 seconds.



Failure to allow blowdown between cycles will decrease efficiency and reduce compressor life.

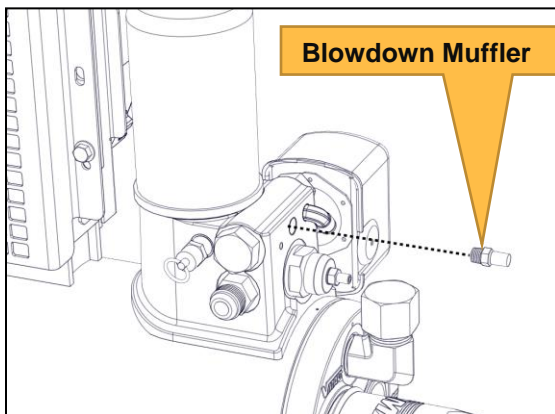


Figure 1

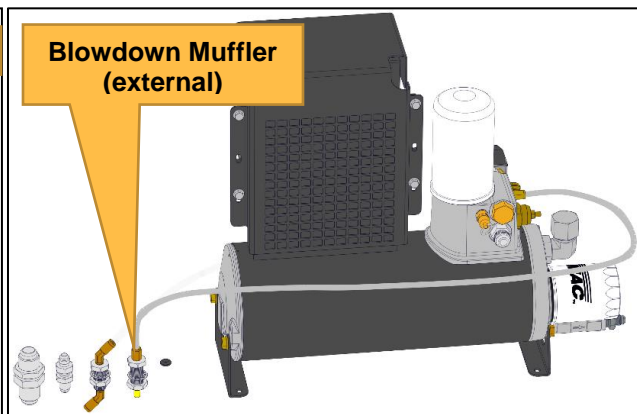


Figure 2

Document	Version	Department	Revision Details	Revised by	Tech	Engineering	Implemented
EXT-VL-006	B	Tech	Document Release	BDJ 24 Aug 2017	GB 24 Aug 2017	N/A	18 Sept 2017