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Coding Information

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Title: Air Compressor Testing

Applies To: Feature code 0004SPL

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

7/15/2015 - Initial Article Release

DESCRIPTION

This article provides direction on the testing procedure for YOO Sung Air compressor on certain ProStar units to determine the need for replacement.

SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required	Notes
Compressor, Air 2 Cyl	3709815C94	1	Only Needed If Test Warrants Replacement

REPAIR STEP(s)

WARNING! To prevent property damage, personal injury, and / or death, park vehicle on a hard, flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

WARNING! To prevent property damage, personal injury, and / or death, if the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over.

WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent property damage, personal injury, and / or death, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

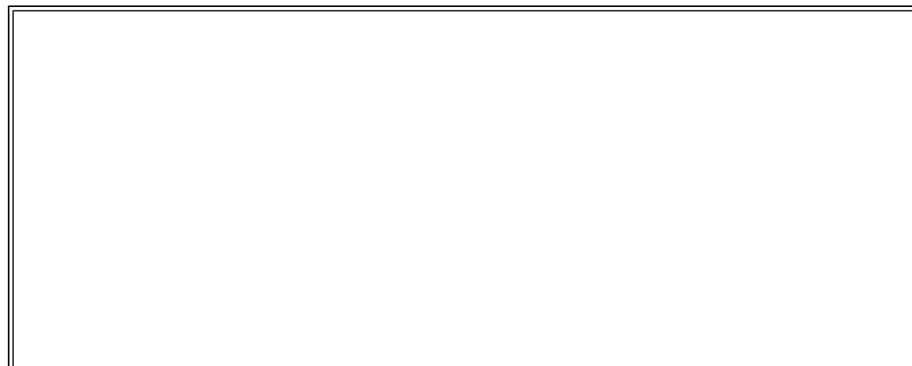
WARNING! To prevent property damage, personal injury, and / or death, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

Compressor Testing

NOTE:

Do not load the air compressor in this manor for longer than 1min.

1. Bring vehicle into shop and park on flat surface.
2. Shift transmission to Park or Neutral, set parking brake, and install wheel chocks.
3. Unlatch and open hood.
4. Remove Driver side front quarter fender.
5. Disconnect Discharge line. (refer to figure 1 item 1)



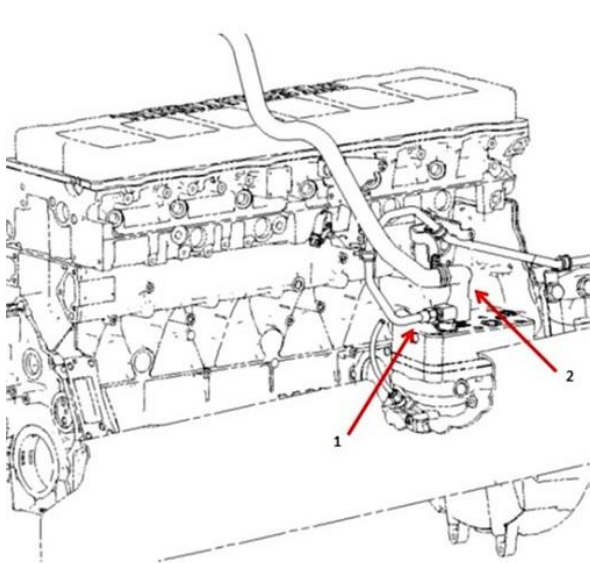


Figure 1: Discharge Line

Item 1: Discharge Line
Item 2: Intake hose

6. Remove Discharge Fitting.

7. Remove Compressor Intake Hose. (refer to figure 1 item 2)

8. Install Plug supplied in 04-202-01 Air Compressor Lift Tool into discharge port. (refer to figure 2 and 3)



Figure 2: Plug



Figure 3: Discharge Port

Item 1: Discharge Port

9. Drain the air tanks.
10. Start Engine.
11. Listen for the safety valve purging.

NOTE:

Do not load the air compressor in this manner for longer than 1min.

12. If safety valve stops purging before 30 seconds of run time, Air compressor needs to be replaced, move to step 18.

13. If safety valve continues to purge after 30 seconds, the compressor passed the test, and does not qualify for replacement.

NOTE:

Do not load the air compressor in this manner for longer than 1min.

14. Shut Down Engine.
15. Remove discharge plug.
16. Install compressor intake hose. (refer to figure 1 item 2)
17. Install discharge line fitting.
18. Connect discharge line. (refer to figure 1 item 1)
19. Refer to Engine Service Manual [EGES415](#). for standard repair procedure's.
20. Install driver side quarter fender.

21. Close Hood

Standard Repair Time(s):

Description	SRT	Hours
Test Air Compressor	R04-2003U	0.8
Replace Air Compressor	R04-1202U	3.4

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