

# PARTS & SERVICE NEWS

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**SUBJECT:** REPAIR PROCEDURE OF OUTLET TUBE OF AIR COMPRESSOR ON GD825A-2

**PURPOSE:** To introduce modification procedures to repair deteriorated rubber hose connecting to the outlet port of the air compressor on GD825A-2 motor graders

**APPLICATION:** GD825A-2 Motor Graders, Serial Nos. 11001 thru 12084

**FAILURE CODE:** 459352

**DESCRIPTION:**

1. Introduction

When the rubber hose connecting to the outlet port of the air compressor on the GD825A-2 motor graders is found to have deteriorated causing air leakage, make the modification following the procedures outlined in this Service News to remedy the failure.

2. List of parts

Part No.	Part Name	Purpose of part	Q'ty	Remarks
235-44-32120	Tube	} Additional	1	Hose connecting to the outlet port of the air compressor
235-44-32140	Tube		1	
07102-20423 (07102-20427)	Hose (Hose)	Replacement	1 (1)	
235-44-32150	Joint	} Additional	1	
235-44-32160	Bracket		1	
01010-80822	Bolt		1	
01643-30023	Washer		2	
01580-10806	Nut		2	
04434-51008	Clip		1	
01010-80816	Bolt		1	
08034-00536	Band		2	Use them to bind the hoses.

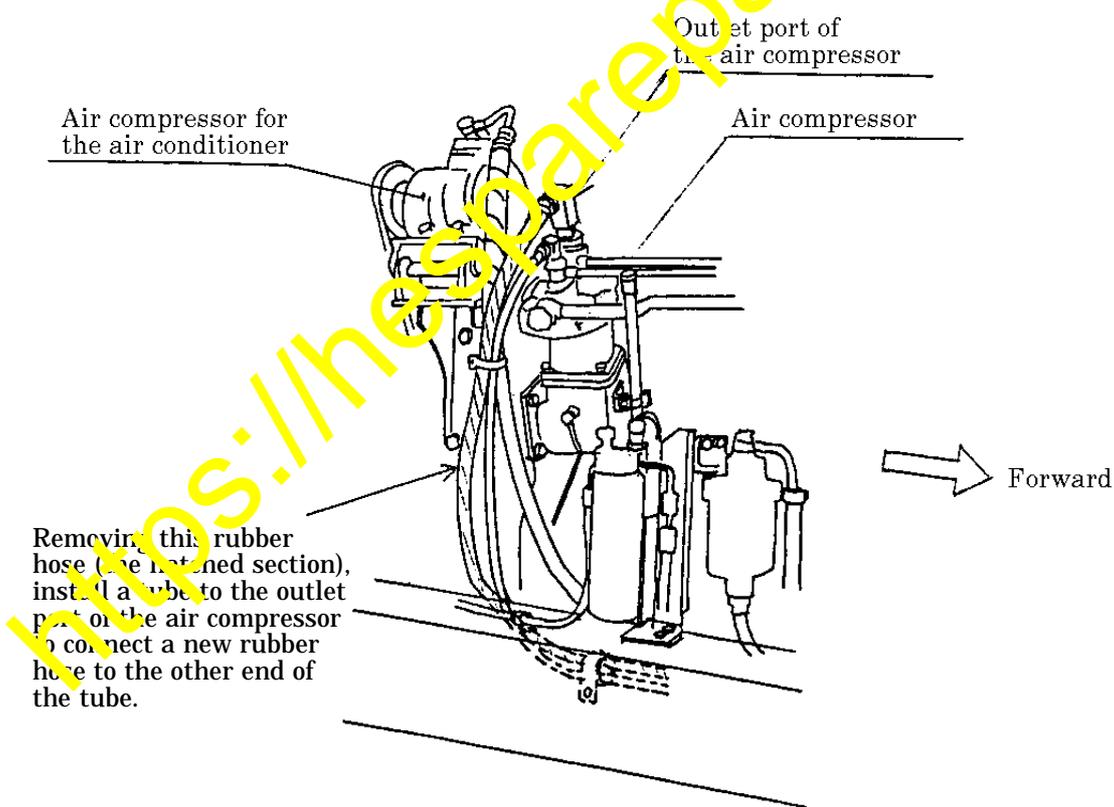
3. Precautions before starting the modification work

- 1) Choose a level and hard ground to make this modification work.
- 2) For safety's sake, always land the work equipment (blade).
- 3) Tightening torque ranges for the hoses and tubes should be according to the listing indicated below.

Mouthpiece size	Tightening torque (kgf-m)	
	Torque range	Target torque
16 x 1.5	4 - 5	4.5
22 x 1.5	6 - 10	8

4. Outline of the modification

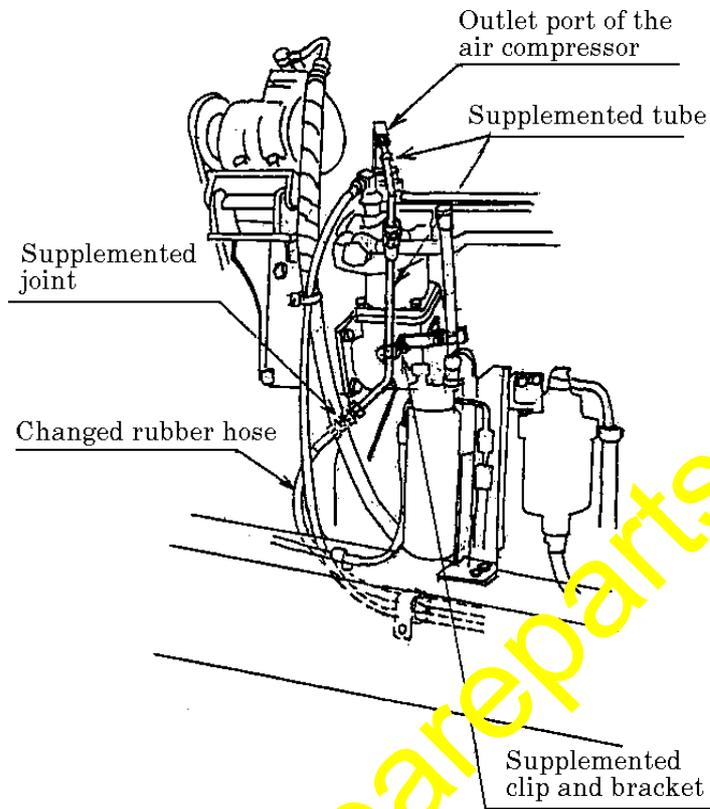
Removing the rubber hose connecting to the outlet port of the air compressor, install a tube to the outlet port to connect a new rubber hose to the other end of the tube.



Engine (right-hand side view of the chassis)



6. Appearance after finishing the installation work



7. Checks to make after finishing the installation work

- 1) Check that air is not leaking through the junction joint connecting the rubber hose and the tube.