

# PARTS & SERVICE NEWS

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**SUBJECT:** IMPROVEMENT OF TRANSMISSION PUMP SPLINED SHAFT ON GD825A-1, -2

**PURPOSE:** To introduce newly registered parts to prevent wears of the splined section of the transmission pump on GD825A-2 motor graders

**APPLICATION:** GD805A-1 Motor graders, Serial Nos. 10002 and up  
 GD825A-2 Motor graders, }  
 GD825A-2 (-50°C) Motor graders, } Serial Nos. 11001 thru 12113

**FAILURE CODE:** J111CA

## DESCRIPTION:

### 1. Introduction

This Service News will introduce newly registered parts to increase the lubricity for the spline to prevent wears of the splined section of the transmission pump which is installed to the P.T.O. on the GD825A-2 motor graders.

### 2. List of parts

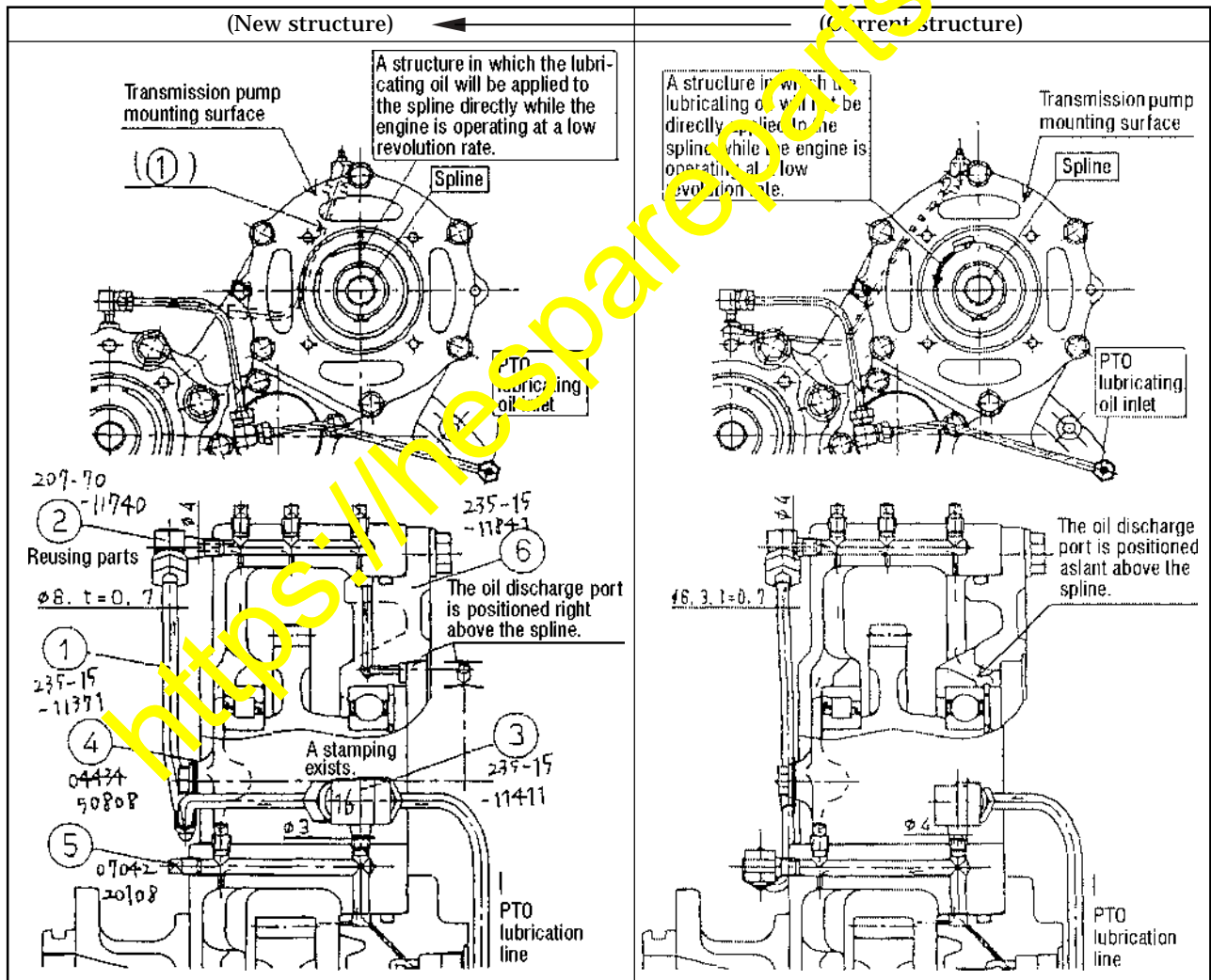
No.	Part No.	Part Name	Purpose of part	Q'ty	Remarks
①	235-15-11371 (235-15-11370)	Tube (Tube)	} Replacement	1 (1)	
②	207-70-11740 (568-13-16560)	Elbow (Elbow)		1 (1)	
③	235-15-11411 (207-70-11740)	Tee (Tee)		1 (1)	
④	04434-50808 (04434-50608)	Clip (Clip)		1 (1)	
⑤	07342-20108 (568-13-16560)	Plug (Plug)		1 (1)	
⑥	235-15-11841 (235-15-11840)	Cage (Cage)		1 (1)	
	235-15-19013 (235-15-19012)	PTO Ass'y (PTO Ass'y)		1 (1)	GD825A-2, GD805A-1
	235-15-19023 (235-15-19022)	PTO Ass'y (PTO Ass'y)	1 (1)	GD825A-2 (-50°C)	

### 3. Details of the modification

The quantity of the lubricating oil for the transmission pump shaft has been increased.

- 1) By changing the route of the PTO lubrication tube, the quantity of the lubricating oil for the transmission pump shaft has been increased. (With the parts No. ① thru No. ⑤ in the table shown below)
- 2) By changing the position of the hole on the cage, through which the lubricating oil goes to the pump shaft to the point right above the spline, the structure has been changed so that the lubricating oil may be applied to the splined section of the pump shaft directly. (With the parts No. ⑥ in the table shown below)

No.	New structure ←			Current structure		
	Part Name	Par No.	Identification method	Part Name	Par No.	Identification method
①	Tube	235-15-11371	φ8	Tube	235-15-11370	φ6.3
②	Elbow	207-70-11740		Elbow	568-13-16560	
③	Tee	235-15-11411	Stamping "16" exists.	Elbow	207-70-11740	
④	Clip	04434-50808		Clip	04434-00608	
⑤	Plug	07042-20108		Elbow	568-13-16560	
⑥	Cage	235-15-11841	The position of the lubricating oil hole is right above the spline.	Cage	235-15-11840	The position of the lubricating oil hole is aslant above the spline.



### 4. Modification procedure

- Refer to the Section "Disassembly and Assembly of PTO" in the Shop Manual.
- Although the part number of the bearing [06040-06211] does not change, since there is a possibility of damaging the bearing while removing from the current cage [235-15-11840], prepare the bearing as spare parts when carrying out this modification.
- Reuse the snap rings [04065-01030] and [04064-05520].