PARTS & SERVICE

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SUBJECT: INTRODUCTION OF THE IMPROVED VALVE MECHANISM PARTS

FOR DURABILITY

PURPOSE: To introduce improved parts with increased durability for use with $\phi 140$

type engines

APPLICATION: *ϕ*140 Type engines

(Include 12V140)

FAILURE CODE: A420CA

DESCRIPTION:

1. Introduction

This Service News will introduce an improved lever ass'y for use at the time of overhauling, which is effective to increase the parts life of the call shart and the roller.

Therefore, use the new parts for parts replacement when making overhauls of the engines.

2. List of parts

Part No.	Part Name	Q'ty	Remarks
6210-41-2011 (6210-41-2010)	Lever Ass y (Lever Ass y)	6 (6)	12 pcs. are necessary in case of 12 V
6210-41-2341 (6210-41-2340) 6210-41-2351 (6210-41-2350)	Reller (Yoller) Pin (Pin)		Component parts of 6210-41-2011

3. Details of the modification

(1) Modification of the roller

By changing the outer shape of the roller, the contact surface pressure with the cam shaft has been reduced and the parts life of the cam shaft has been increased.

(2) Modification of the pin

By changing the material of the pin, the wear resistance of the pin has been improved. (Since the backlash of the roller by worn pin will be reduced, the parts life of the cam shaft will be increased.)

Part name	New part	Current part
Lever ass'y	6210-41-2011 Pin (Brown 2010-1	6210-41-2010 Pin (Skin color)
Roller	6210-4)-2341 Improved pars with reduced bearing pressure	6210-41-2340
Pin	6210-41-2351	6210-41-2350
	High strength brass	Free-cutting phosphate bronze

4. When replacing these parts

When replacing the aforementioned parts at the times of overhauling, etc., refer to the Engine Shop Manual.

(The n stanation method for the lever ass'y is the same as that for the current lever ass'y.)