

# PARTS & SERVICE NEWS

REF NO.	AA03109
DATE	Aug. 11, 2003

(C)

**SUBJECT:** REPAIR PROCEDURE TO REDUCE ENGINE WARM-UP TIME

**PURPOSE:** To introduce modification procedure to improve the engine coolant

**APPLICATION:** WA600-3 Wheel Loaders, S/N 52001 thru 52058, 53001 thru 53005  
 WA600-AC-3 Wheel Loaders, S/N 52001 thru 52058  
 WA600-3LK Wheel Loaders, S/N A53002 thru A53032

**FAILURE CODE:** 8200NV

**DESCRIPTION:**

1. Introduction

Coolant temperature is critical for optimum performance of the electronically controlled engine. When the engine is cold and the thermostat is closed, coolant will bypass the thermostat through the radiator vent line. Performing this modification will reduce the coolant bypass flow, allowing the engine to reach operating temperature sooner.

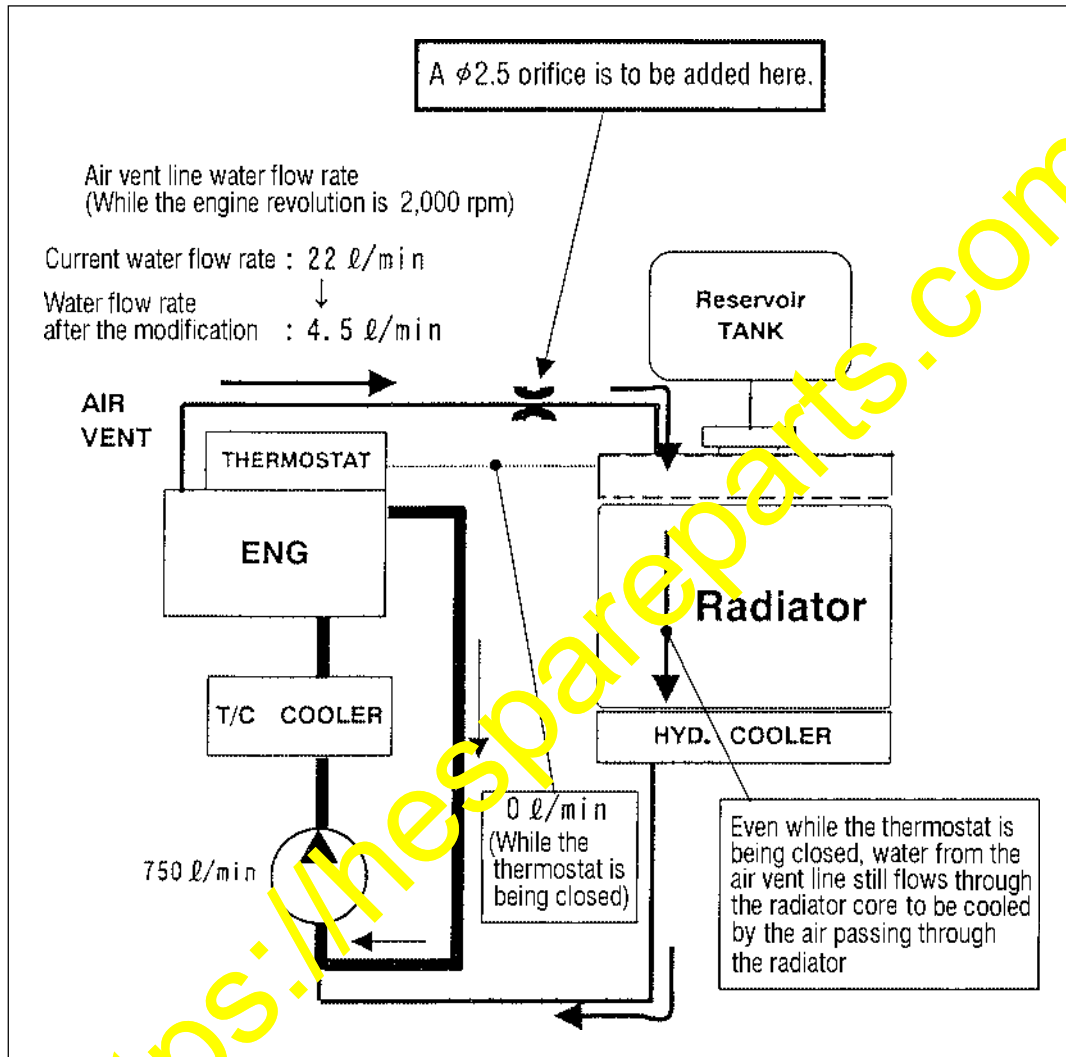
2. List of Parts

Part No.	Part Name	Purpose of Part	Qty	Remarks
426-03-21470	Tube	Addition	1	

<https://thespareparts.com/>

### 3. Details of the modification

A  $\phi 2.5$  orifice is to be added to the air vent line to reduce the water flow passing the radiator core while the thermostat is being closed, thus preventing water temperature drops.



4. Modification procedure

Install a  $\phi 2.5$  orifice inside the hose of the air vent line.

