

# PARTS & SERVICE NEWS

REF NO.	AT99219
DATE	Feb. 7, 2000

Page 1 of 2

**SUBJECT:** REPAIR OF ENGINE MOUNTING BOLT ON WA100-3 – WA250-3

**PURPOSE:** To introduce modification procedures to repair the mounting bolts for the engine-mount bracket on the RH side of the chassis of WA100-3 thru WA250-3 wheel loaders

**APPLICATION:** WA100-3 (S-spec.) Wheel Loaders, Serial Nos. 53001 thru 54254  
 WA100-3 (H-spec.) Wheel Loaders, Serial Nos. 63001 thru 63393  
 WA120-3 Wheel Loaders, Serial Nos. 53001 thru 53003  
 WA150-3 Wheel Loaders, Serial Nos. 63001 thru 63316  
 WA180-3 Wheel Loaders, Serial Nos. 53001 thru 53119  
 WA200-3 Wheel Loaders, Serial Nos. 63001 thru 63402  
 WA250-3 Wheel Loaders, Serial Nos. 53001 thru 53170

**FAILURE CODE:** 011138

## DESCRIPTION:

### 1. Introduction

With the wheel loaders of Models WA100-3 thru WA250-3, there is the danger of loosening of the mounting bolts for the engine-mount bracket (on the RH side of the chassis) because of the fatigue occurring on the bearing surface of the mounting bolts.

When the above failure is found, make the modification according to this Service News to eliminate the problem.

Meanwhile, when making field servicing and inspections, check this section and make this modification whenever any anomalies are found.

### 2. List of parts

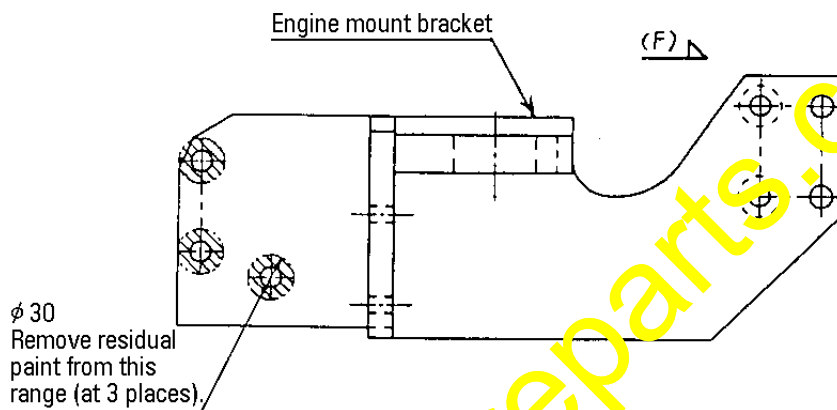
Part No.	Part Name	Purpose of part	Q'ty	Remarks
01010-81230 (01435-01240)	Bolt (Bolt)	Replacement	3 (3)	Use the current part for other models.
01642-31232	Washer	Additional	3	

### 3. Contents of the modification

As for the rear side mounting bolts (3 units) for the engine mount bracket on the RH side of the chassis, we have replaced the current washer-faced-head bolts with bolts plus washers to reduce the bearing pressure applied to the bearing surfaces of the mounting bolts to eliminate fatigue thereby to prevent loosening of the mounting bolts.

### 4. Modification procedures

- 1) Remove the mounting bolts (washer faced head bolts) for the engine mount bracket on the RH side of the chassis.
- 2) Remove the remaining paint from the contact surfaces, to the bearing surfaces of the mounting bolts, on the engine mount bracket. (For the range of  $\phi 30$  at 3 places)



- 3) Install the bolts (01010-81240) plus washers (01643-31232).  
The tightening torque range for the mounting bolts should be 10 – 12.5 kgm.

