PARTS & SERVICE NEWS

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SUBJECT: INSTALLATION PROCEDURE FOR BOLT OF DIFFERENTIAL COUPLING ON WA1200-3/800-1, 3/900-1

PURPOSE: To introduce field reassembly procedure for the end coupling bolt of the input shaft of the axle on WA1200-3, WA800-1, WA800-3, WA900-1 and WA900-3 wheel loaders

APPLICATION:

WA1200-3	Wheel Loaders,	Serial Nos. 50001 and up
WA800-1	Wheel Loaders,	Serial Nos. 10001 and up
WA800-3	Wheel Loaders,	Serial Nos. 50001 and up
WA900-1	Wheel Loaders,	Serial Nos. 10001 and up
WA900-3	Wheel Loaders,	Serial Nos. 50001 and up

FAILURE CODE: 2A31MS

DESCRIPTION:

1. Introduction
   Since the end coupling bolt of the input shaft of the axle on the WA1200-3, WA800-1, WA800-3, WA900-1 and WA900-3 wheel loaders might not have been tightened correctly and LT-2 might have soaked into shims, this Service News will introduce field assembly procedures to reassemble the end coupling bolt of the input shaft of the axle, after removing it for purposes of repair of oil leakage through the oil seal, etc.
   Therefore, be sure to observe the assembly procedure being outlined in this Service News.

2. Proper positioning for the assembly work
When carrying out this assembly work, be sure to direct the input shaft end side upwardly so that LT-2 may not flow out, except in case the axle is not removed from the machine body.

3. Assembly procedure
(1) Thoroughly clean to remove the LT-2 adhered to the female screw surface.
When it is regarded necessary, execute re-tapping (36 × 1.5).

(2) Apply LT-2 to the range marked ☆ being indicated in the drawing below at the tip end of the bolt. Regarding the applying quantity of the LT-2, just apply for a turn of the screw paying attention not to let the LT-2 flow out from the screw section by excessive application.

(3) Especially, when carrying out this re-assembly work with the axle being installed to the machine body, since there is a possibility that the shim may be turned together with the bolt to be damaged, be sure to hold the shim and the holder when tightening the bolt and tighten the bolt until the holder becomes immovable. In the meantime, use a new bolt. (Part No. of the bolt: 562-22-11950)

(4) Tighten the bolt at the specified tightening torque.
Tightening torque: 2,450 - 3,040 Nm {250 - 310 kgm}
Be sure to receive the reaction force of the power wrench at the side face of the coupling. (If the reaction force is received at other sections, proper tightening torque cannot be obtained because of the influence of the twists occurring inside the axle.)