

PARTS & SERVICE NEWS

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SUBJECT: REPLACING TRANSMISSION WIRING HARNESSSES

PURPOSE: To inform the field of a kit for replacing transmission wiring harnesses for improving electrical continuity.

APPLICATION: Komatsu Mechanical Drive Dump Trucks:
530M: AFP49-A thru Y, A30001 thru A30038;
HD1500-5: A30039 & Up

FAILURE CODE: D513BN

DESCRIPTION:

Some trucks in the field may experience poor transmission operation along with the occurrence of various transmission fault codes. Many times this can be attributed to poor electrical contact in the transmission harness connectors. The most common fault is the intermittent shifting of the transmission to Neutral and a "b021" fault code (Lock Up Clutch Failure).

The application of dielectric grease to the contacts in the harnesses has proven to be effective in most instances, and is the recommended first course of action to take if these problems occur. Refer to Parts and Service News, AA02080, "TRANSMISSION FAULT CODES DUE TO POOR ELECTRICAL CONTACT" for information regarding dielectric grease application.

If dielectric grease does not eliminate continuity problems, a kit has been developed to replace the existing transmission harness with an improved harness containing Deutsch connectors. Transmission Wiring Harness Kit (XK0107) contains all necessary parts and instructions for the modification. Refer to Table 1 for a complete listing of kit contents.

NOTE: The existing chassis harness does not require replacement.

TABLE 1. TRANSMISSION WIRING HARNESS KIT (XK0107)		
Part Number	Description	Quantity
EJ7742	Harness Rework Drawing	1
5621528112	Wiring Harness	1
5621525821	Wiring Harness	1
42C1315801	ECMV Group	3
19M1525201	ECMV Group	5
7861933360	Sensor Temperature	1
7861933320	Sensor Temperature	1
7861932210	Sensor Pickup	3
7861931670	Sensor Pickup	2
5621528121	Cover	1
0819320012	Clip	6
0819191206	Plug Body	1
0819121206	Plug Body	1
0819107330	Pin Contact	60
0819100770	Plug Sealing	3
0819224200	Plug Body	1
0819214400	Wedge Locking	1
0819107420	Contact	10
PC1293	Sensor Engine Speed	1
EJ1180	Bracket	1
0164331020	Bolt	2
0164331032	Washer	2
PC1293	Spray (Three Bond)	1