

# PARTS & SERVICE NEWS

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- SUBJECT:** RETARD CONTROL & MONITOR (RCM) CONTROLLER SOFTWARE UPGRADE KIT (CESW000102)
- PURPOSE:** Announce kit (CESW000102) to the field.
- APPLICATION:** Komatsu Mechanical Drive Dump Trucks, 530M: A30001 through A30038  
HD1500-5: A30039 through A30059
- FAILURE CODE:** DA00Z9
- DESCRIPTION:** Releasing software upgrade kit to provide enhanced retard lever control.

The RCM software has been upgraded to Version 3.3. The retard lever functionality has been revised with finer control, at lower pressures for easier operation, especially on slippery grades.

With the new software version, more lever movement is needed to achieve the pressure required for empty truck retarding, with a trade off in sensitivity at the top end of lever travel. This is significantly different than the previous version and is noticeable for low retard requirements such as traveling downhill with an empty truck. As a result of the finer control, fewer number of movements of the retarder lever can be expected for a given downhill empty travel segment. It is also likely that operators will prefer the new software upgrade over the older version for slippery underfoot conditions.

Existing trucks may be upgraded to the newer software by installing the upgrade kit (CESW000102). One kit is required per truck and will upgrade any existing brake controller to this latest software version, regardless of the existing part number of the brake controller. This will then allow for a complete fleet to operate similarly in operator lever feel regardless of truck vintage.

**TABLE 1. RCM CONTROLLER PART NUMBERS**

Previous Part Number	Description	Software File Name	New Part Number
EJ3072	RCM Controller w/ASR SDA12V160 engine	EK1311.kms	EK1305
EJ3073	RCM Controller non-ASR SDA12V160 engine	EK1312.kms	EK1306
EJ3074	RCM Controller w/ASR KTA50 engine	EK1313.kms	EK1307
EJ3075	RCM Controller non-ASR KTA50 engine	EK1314.kms	EK1308

This kit requires the use of a laptop computer and download cable EF9160 (not supplied with the kit). Average upgrade time per machine will vary, but likely to be less than one hour per truck.

Upon completion of the software upgrade and relabeling the brake controller part number, the brake calibration procedure described in the shop manual "Section J, Brakes" has to be performed. This normally only requires a few minutes.

This enhanced retard lever software is already included on HD1500-5 trucks starting with serial number A30060 and UP.