



MIN – 14107

04 April 2014

Subject:

Allison TCM Reprogramming

Models Involved:

CE busses with ISB engines and Allison 2500PTS transmissions

Allison Transmission Feature Code 0013ARV and ISB Feature Codes 0012EEK, 0012EEL, and 0012EEN

Allison Transmission Feature Code 0013ART and ISB Feature Code 0012EEJ

Defect Description:

Certain CE busses with ISB engine and Allison transmission may have incorrect programmable parameters resulting in a 500 RPM early shift and perceived low power / poor performance.

Tools Required:

No special tools required.

Parts Required:

No parts required.

Work Instructions

WARNING! Park vehicle on hard flat surface, turn the engine off, set the parking brake, and install wheel chocks to prevent the vehicle from moving in both directions. Failure to comply may result in property damage, personal injury, and / or death.

WARNING! Always wear safe eye protection when performing vehicle maintenance. Failure to comply may result in personal injury and / or death.

1. Contact your local Allison Distributor to determine location of repair.
 - If at Allison Distributor, make arrangements to transport vehicle to said location and perform Step 4.
 - If at customer location, perform Steps 2 - 5.
2. Bring vehicle into shop and park on flat surface.
3. Shift transmission to Park or Neutral, set parking brake, and install wheel chocks.
4. Connect to unit using Allison Doc diagnostic software. Change the following parameters to the listed Programmable Parameter (PP) Value and then program module:

Parameter ID / Name	PP Value
11020 - Engine Make and Model	22
17000 - Primary Mode Shift Schedule	4
17020 - Primary Mode Shift Speed	17
17050 - Secondary Mode Shift Schedule	6
17060 - Secondary Mode Shift Speed	16
14000 - Torque Converter	12

5. Remove wheel chocks.

LABOR INFORMATION

Operation number must appear on all claims.

Table 1 Labor Information

Operation Number	Description	Time
A40-14107-1	Administration Fee	0.1 hr

NOTE: Sublet fee will be paid at actual cost.

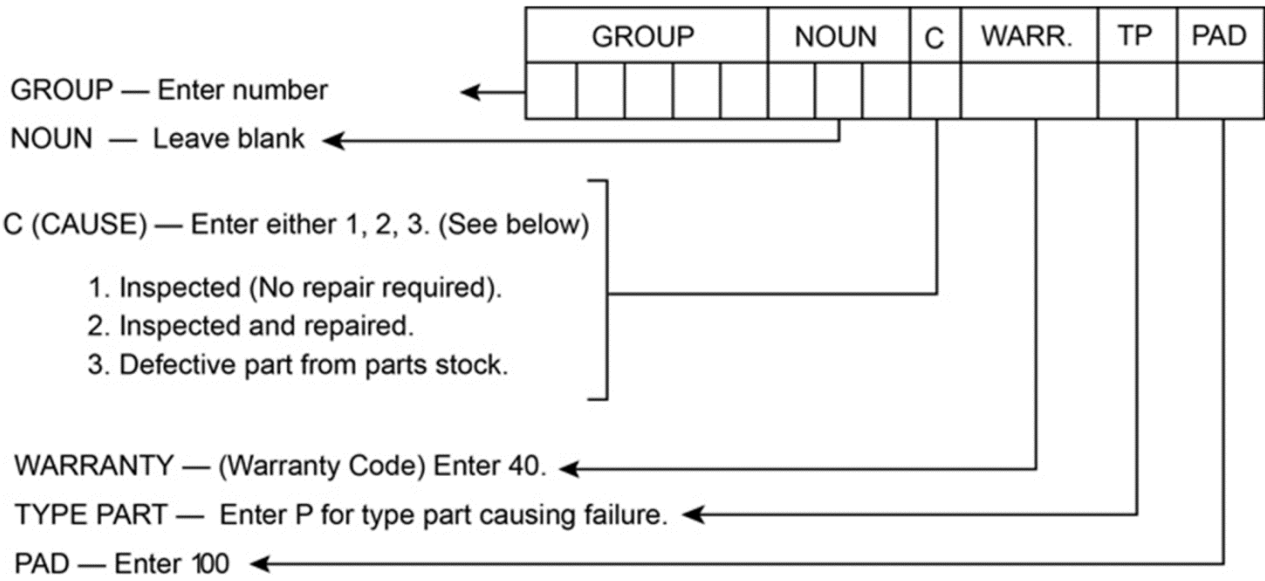
WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Misbuild Investigation Notice 14107.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Policy Manual, Section 7.1.8.

As with all claim submissions, items acquired locally must be submitted in the “Other Charges” tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To make sure this important improvement is made in a timely manner, all claims for 14107 activity must be submitted by 04 April 2015 or within the normal warranty period for the vehicle, if after 04 April 2015.



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