



Subject: Serviceability of MY09 (Metal Enclosure) Power Electronics Carrier (PEC)

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Issue Description:

Full OEM integration of the MY09 (Metal enclosure) PEC was completed March 2010. The MY09 PEC was designed to be serviceable by trained and registered technicians. Engineering review of failed components within the PEC has been completed and serviceability of selected internal components will begin January 1, 2011.

If the RoadRanger call center agents deem a PEC repairable, the PEC will be repaired by trained technicians instead of the complete PEC being replaced.

An external rusting issue has also been identified with the MY09 PEC. Additional hardware (rubberized stainless flat washer) was added in Q3 2010 between the locking washer and the painted surface to all external fasteners. The paint process was also changed to an e-coat and powder coat process. Part numbers for the service covers are provided below but are considered non-warrantable at this time.

Containment/Corrective Action: The illustrated parts lists have been updated. Serviceable parts and SRT's for the applicable parts are listed below:

- K-4043 Relay Box 12V SRT= 0.5 hr.
- K-4045 PEC Fuse Kit SRT= 0.3 hr.
- K-4044 PEC Cooling Fan 12V SRT = 0.3 hr.

Replacement of the fuse does not require the removal of the PEC. If the replacement of the relay box or the cooling fan requires removal of the PEC an additional 5.0 hrs will be added to the RWS claim.

- 4306941 Access Cover Seal
- 4306939 Top Cover Seal
- 4306940 Air Filter Cover Seal
- 4306115 Air Filter

K-4081 Access Cover Kit

K-4082 Top Cover Kit

K-4083 Air Filter Cover Kit

K-4084 Master Cover Kit (All Three Covers and Hardware)

Affected Models/Population: MY09 PEC (Metal Enclosure)

K-4189R, K-4190R, K-4191R, and K-4192R MY08 Relay Boxes are not serviceable due to the Relay Box availability only in a REMAN PEC.

Field Strategy: Hybrid trained technicians (FSUD 1452/TAIB 0825) will be required to view the Hybrid Serviceable PEC Video:

http://roadranger.com/ecm/groups/public/@pub/@eaton/@roadranger/documents/content/pct_238886.wmv

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