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SUBJECT: Dual Power Inverter Module (DPIM) Lug Box Cover Thread Repair Kit

MODELS AFFECTED: All H 40/50 EP™ DPIM1 and DPIM2

SERIAL NUMBERS AFFECTED: All

Introduction:

The AC and DC lug box covers on the Dual Power Inverter Module (DPIM) may experience seized or broken screws upon removal. Bosch Kit J-51101 has been developed to aid in the removal of seized or broken screws, and the installation of Time-Sert® screw thread inserts. This kit is available at allison.service-solutions.com.



CAUTION: It is mandatory that all screw locations be utilized to prevent DPIM water intrusion, resulting in failure.

Bosch Kit J-51101 includes the following hardware:

- AC Voltage Guide Plate – J-51101-2 (refer to [Figure 1](#))
- DC Voltage Guide Plate – J-51101-1 (refer to [Figure 2](#))
- M4x0.7x10 Allen Head Screws – Quantity four (4)
- Drill Stop for #19 (.166 in.) drill bit
- Allen Wrenches for drill stop screws and Allen head screws
- Time-Sert® Thread Repair Kit 1704
 - #19 (.166 in.) Drill Bit
 - Special Tap
 - Counterbore Tool
 - Installation Driver
 - Time-Sert® Inserts – Quantity five (5)
 - Installation Instructions

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NOTE: Additional Time-Sert® inserts (P/N 14071) are available at <http://www.timesert.com>.



WARNING: Before attempting any repairs to the DPIM, perform the Electrical Disconnect Verification Procedure. Refer to H 40/50 EP System™ Troubleshooting Manual (TS5812EN or TS3715EN).



NOTE: Refer to Instruction Sheet #351 included in Bosch Kit J-51101 for broken screw removal and Time-Sert® insert installation procedure.



NOTE: The DPIM DC Access Lug Box Cover EMI Gasket (P/N 29540614 - Qty. 1), and the DPIM AC Access Lug Box Cover EMI Gaskets (P/N 29540715 - Qty. 2 Required) should be discarded and replaced with new gaskets whenever the covers are removed.



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Figure 1. AC Voltage Guide Plate J-51101-2



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Figure 2. DC Voltage Guide Plate J-51101-1