

## Hardware modification needed for DEM III modules Rev: 1.1

11/28/00

#	Modification	Reason	Comment
1	Add wire from U30 pin 8 to U40 pin 8	Replace missing trace: RAND_EN	
2	Add wire from U40 pin 8 to U24 pin 8	Replace missing trace: RAND_EN	
3	Add wire from U39 pin 35 to U30 pin 72	Replace missing trace: NUL_SEL	
4	Cut the board top side trace coming off U40 pin 28 outside the U40 footprint. Cut it between U40 pin 28 and where it goes underneath U46.	Disconnect OBDV to the Ch 3,4,5 latches, but leave the OBDV trace to U39 pin 50.	U40 pin 28 is now OBDV_DOIM
5	Add wire from U40 pin 36 to U43 pin 10	Connect OBDV to Ch 3,4,5 latches.	U40 pin 36 is now OBDV
6	Rotate DOIM voltage regulator counter clockwise once. Voltage regulator orientation tab should be pointing to R27.	Wrong silkscreen orientation.	
7	Cut the board top side trace coming off of U39 pin 51.	Trace from U40 pin 28 should be to U39 pin 50 not pin 51.	
8	Add wire from U40 pin 28 to U39 pin 50	Correct trace described in step 7	
9	Add wire from U39 pin 51 to U49 pin 1	Missing trace	U39 pin 51 is OBDV to DOIM
10	Added label "HW 1.1"	Update hardware revision	HW Rev 1.1 requires Firmware Rev 5.3