

S8.0 Engine Electrical and Control System (General Information)

The RigMaster APU electronic control system consists of two main components, a Cabin Controller (CC) and a Power Module (PM), which are linked by an 8 wire, category 5e communication cable with (RJ-45) connectors at each end. The Cabin Controller is the interface sending user commands to the Power Module. The Power Module provides control intelligence to the unit by monitoring inputs and regulating outputs based on commands sent from the Cabin Controller and various engine sending units.

There are 2 versions of the RigMaster Power Module and Cabin Controller. The RP7-901 controller uses the Yellow faced RP7-902 power module. The RP50-201 controller uses the grey faced RP50-202 power module. You cannot combine the old and new components as the software in each power module is written for the functionality of the cabin controller.



RP7-901 Version 1 Controller



RP50-201 Version 2 Controller



RP7-902 Version 1 Power Module



RP50-202 Version 2 Power Module

The cabin controller displays a number of error messages intended to act as diagnostic aids. These error messages do not indicate a specific problem, but rather provide general guidelines to aid in the troubleshooting process. (See S8.2 for a list of trouble shooting codes)

Note

The cabin controller does not have any memory function to store codes. Once a button has been pushed the code will be cleared. Ensure you have the code written down prior to pressing a button as there is no way to retrieve the code once cleared.

Manual For Rig Master Apu

J. T. Enright



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80 percent of final torque 4 th round 100 percent of final torque final round clockwise or counter clockwise around the flange please take note the above bolt tightening sequences are the most

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web ensure the bolt lengths allow for a minimum of 2 3 threads protruding beyond the top of the nut when tightened bolts must be tightened according to the below sequence options assemble bolts hand tight maximum 30 of final tightening torque as per below cross pattern sequences

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web step 1 liberally lubricate all load bearing surfaces including threads and flat washers then install and finger tighten all fasteners number the bolts flange according to the bolt torque sequence step 2 set the torque wrench to 1 3 of the target torque value and tighten in an order bolts 1 2 3 4 until all have been tightened

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