

## Replacing a Data Manager HDD - PR0901 with a Solid State Drive (SSD) – PR0901-SSD

*Before working on this equipment, ensure that the device is fully isolated from any supply voltage, including connections to all relays and other I/O connectors. Installation of this part must be carried out by competent personnel*

*RDM will not be held responsible for any damage incurred to the equipment through mishandling or faulty installation of this part*

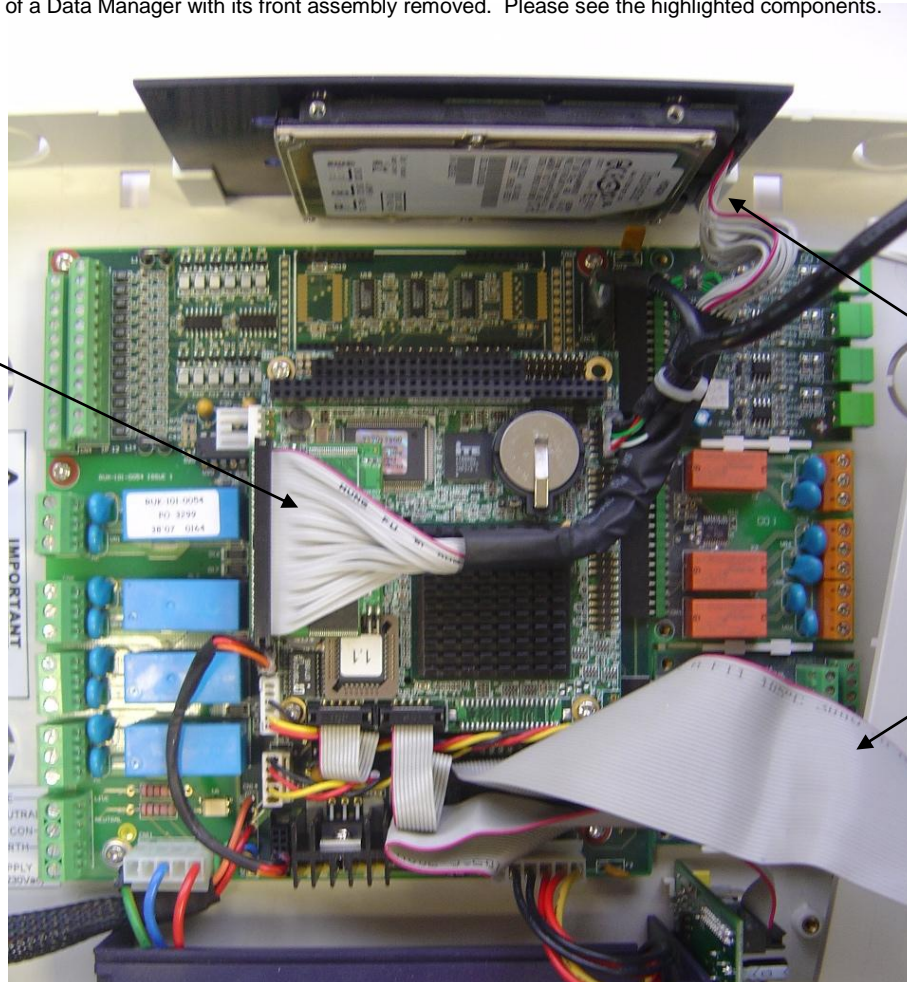
*A copy of any running TDB programs should be saved as they may have to be uploaded and restarted after the installation.*

### Instructions:

- 1) Remove the left and right side wings by unscrewing the 2 screws at the top and bottom of each wing.
- 2) Remove the front assembly securing screw which can be found on the right hand side of the Data Manager (above the I/O board)
- 3) Carefully remove the front assembly by pressing in the retaining legs at the top and bottom, on the left and right hand side of the Data Manager, to release their clip action. Once the front assembly is free from the main housing care must be taken not to over extend the cables attached to it. The front assembly must be positioned such that the central part of the main printed circuit board can be accessed without the connectors to the main front panel assembly being pulled out.

Below is an image of a Data Manager with its front assembly removed. Please see the highlighted components.

Data Manager existing  
SSD with HDD ribbon  
cable attached

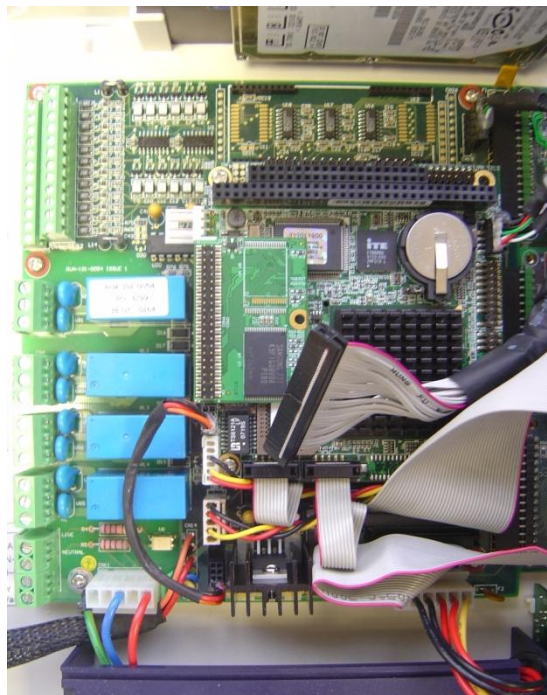


Hard Disk Drive (HDD)  
with ribbon cable  
attached

Ribbon cable to front  
assembly

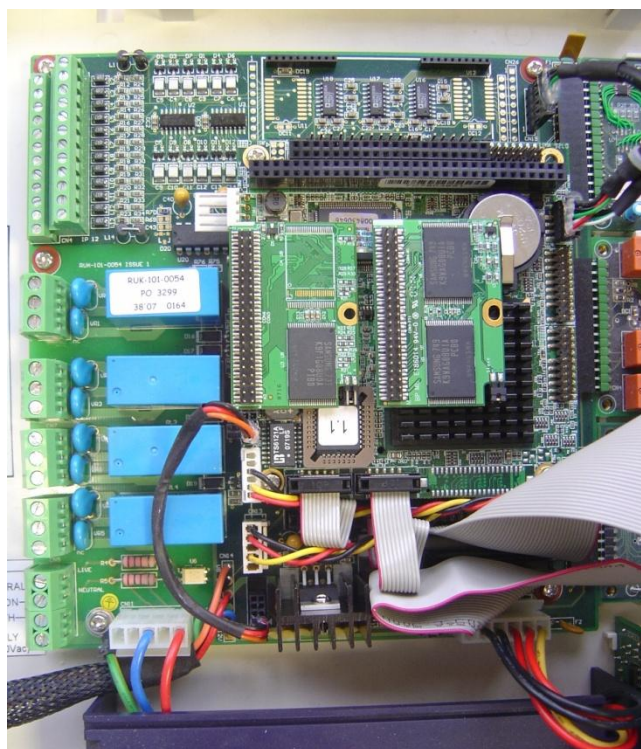
The HDD is connected to the existing Data Manager SSD via a 44 pin ribbon cable. The existing SSD **must not** be removed as the new SSD is mounted on top of this unit.

- 4) Disconnect the ribbon cable from the existing SSD, as shown below, taking care to pull the connector evenly and in an upward motion to avoid bending any of the SSD pins. Be careful not to dislodge the SSD whilst pulling the 44 pin ribbon cable connector.

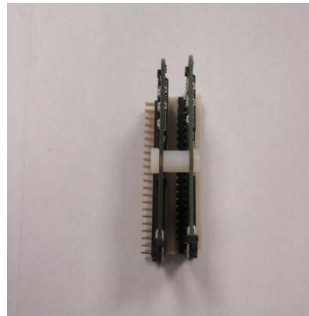


- 5) Now remove the HDD, its plastic mounting and the attached ribbon cable from the body of the Data Manager.

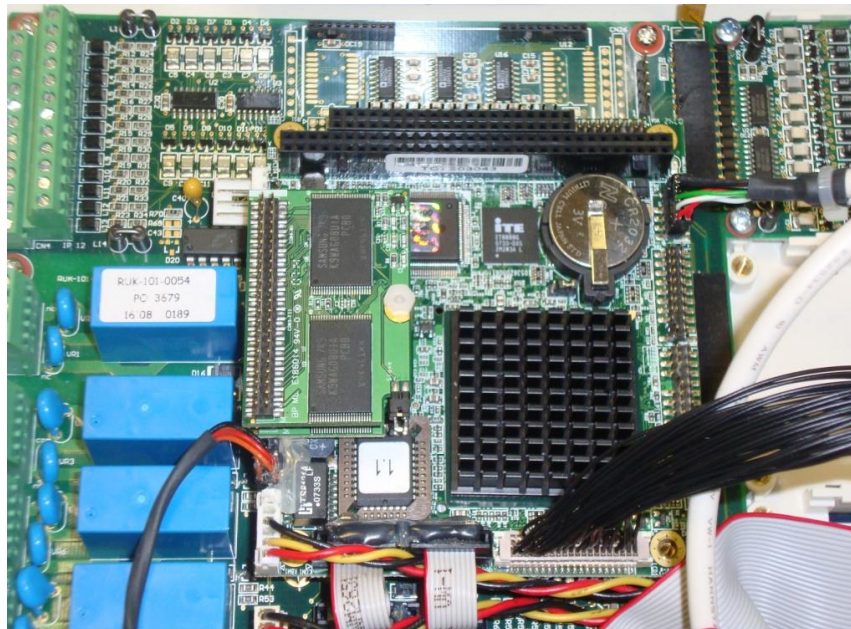
Before removing the new SSD from it's packaging make sure that you are static free. Below is an image of the new SSD alongside the existing SSD.



- 6) Supplied with the SSD is a nylon support which must be fitted. Each SSD has a hole for use with this support. Please see picture below. Note the SSD ships configured as a "Slave" device. The Master/Slave jumper is preconfigured by RDM and must not be changed.



- 7) At the top left of the existing SSD there is a white line which indicates pin 1. The new SSD should be fitted in a similar orientation to that of the existing SSD. The new SSD has a similar white line to indicate pin 1. Place the new SSD on top of the existing SSD module ensuring that the pins line up. Care must be taken as there are two rows of pins to locate. The image below shows the correct fitment of the SSD.  
**Note** : Please be aware that later version's of the SSD are slightly smaller in size but is fitted the exactly the same way.



- 8) Once the SSD is satisfactorily positioned, re-assemble the Data Manager front and sides.
- 9) Once assembled power the Data Manager on and wait for it to start. You must ensure that the Data Manager home page is shown as this indicates a successful start up of the Data Manager.
- 10) Ensure all controllers log on to the Data Manager and that it is operating as it was before fitment of the SSD began.
- 11) To confirm successful installation please connect to the Data Manager with a laptop/pc. Navigate to the Data Manager home page. Click on Devices and select a controller from the list. Now generate a graph for this controller. If the "Choose sample frequency" drop down menu is available then the SSD has been detected by the Data Manager and is in use. Alternatively using the front panel keypad press "Service", now enter an Install/Service level pin and press System-General-System Info and then More. Here the display should show "Hard Drive Present/Normal".

If either of the above options are not present please isolate the Data Manager from the power supply and check positioning of the SSD and its fitment. Please contact RDM Technical Support if this cannot be resolved.

## Disclaimer

Please note: The information detailed in this guide may change without notice. RDM Ltd shall not be liable for errors or for incidental or consequential damages, directly or indirectly, in connection with the furnishing, performance or misuse of this product or document.

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