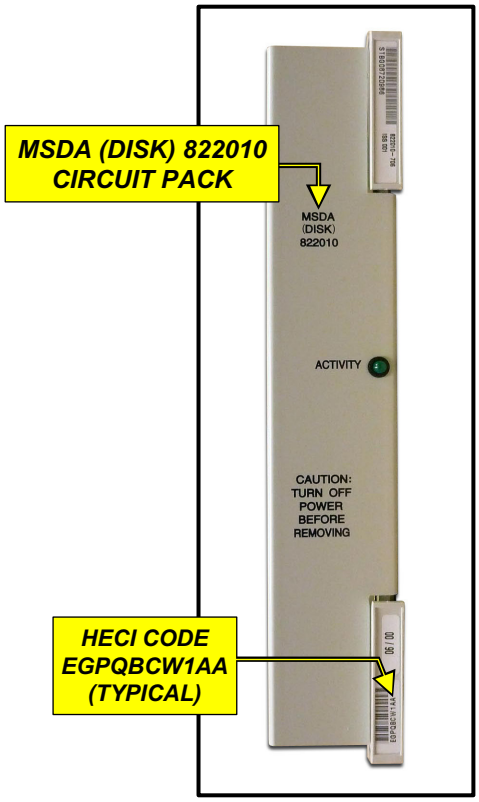
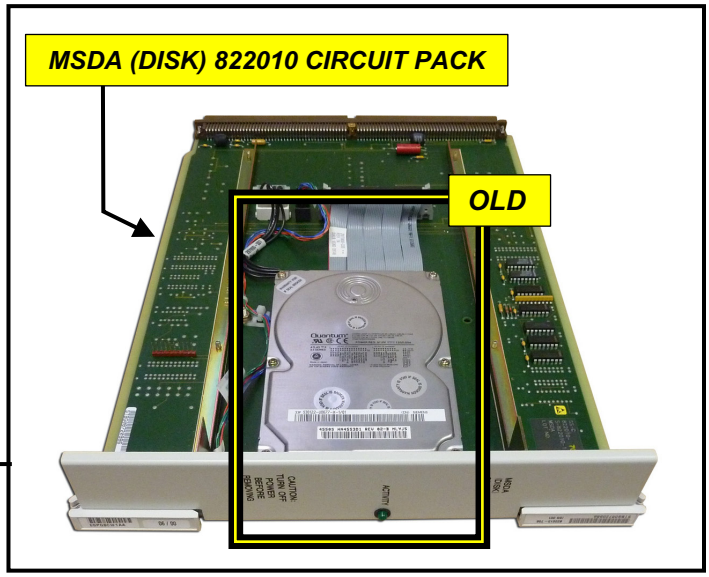
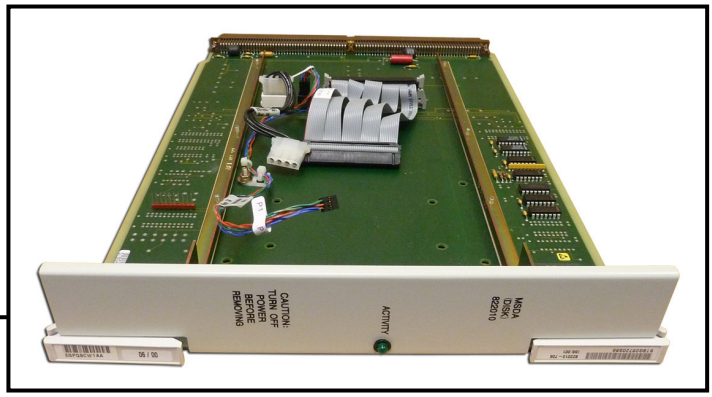
Hard Drive Replacement Procedure for DCO MSDA Circuit Packs



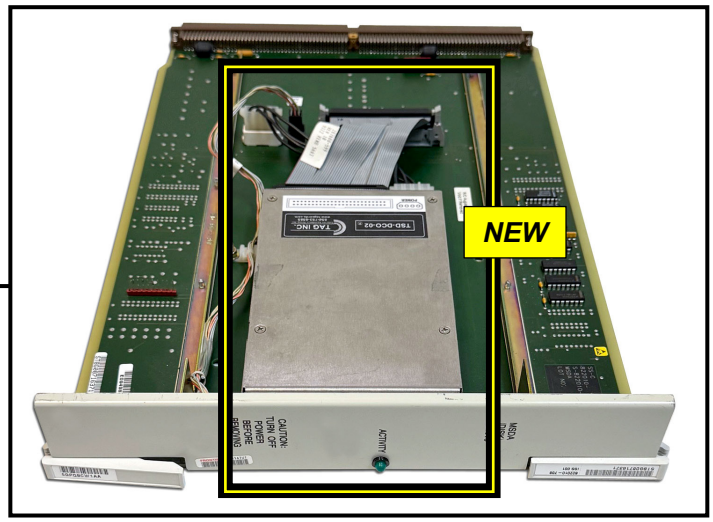
*The procedure on the following pages details removing older or failing Hard Drives **(HD)** on **Stromberg Carlson DCO, MSDA (DISK) 822010** circuit packs & replacing them with a **NEW** TAG Solid State SCSI Drive* (# TSD-DCO-01/02).



- **DCO MSDA 822010 CIRCUIT PACK WITH AN OLD HARD DRIVE.**



- **DCO MSDA 822010 CIRCUIT PACK WITH THE OLD DEFECTIVE DRIVE REMOVED.**



- **DCO MSDA 822010 CIRCUIT PACK WITH A NEW TAG SOLID STATE DRIVE (# TSD-DCO-01/02).**

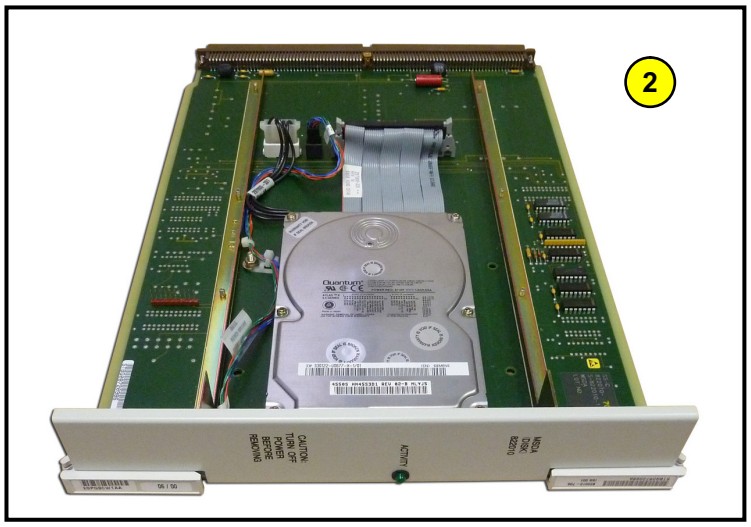
TAG INC.
Telecom Assistance Group, Inc.

Copyright© 2025 by Telecom Assistance Group, Inc. / Phone: (856) 753-8585 / www.tagcords.com

Hard Drive Replacement Procedure for DCO MSDA Circuit Packs

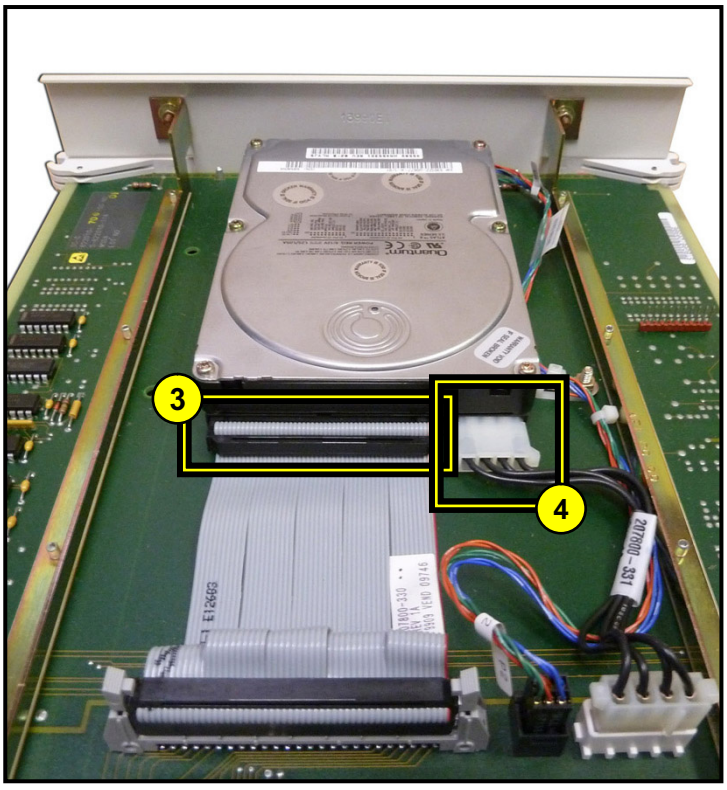
1. Remove the MSDA (DISK) 822010 circuit pack using standard DCO removal procedures.

2. Place the MSDA circuit pack drive side up on an anti-static surface.



3. Pull firmly on the ribbon cable connector to remove it from the OLD drive.

4. Disconnect the power cable from the OLD drive.*



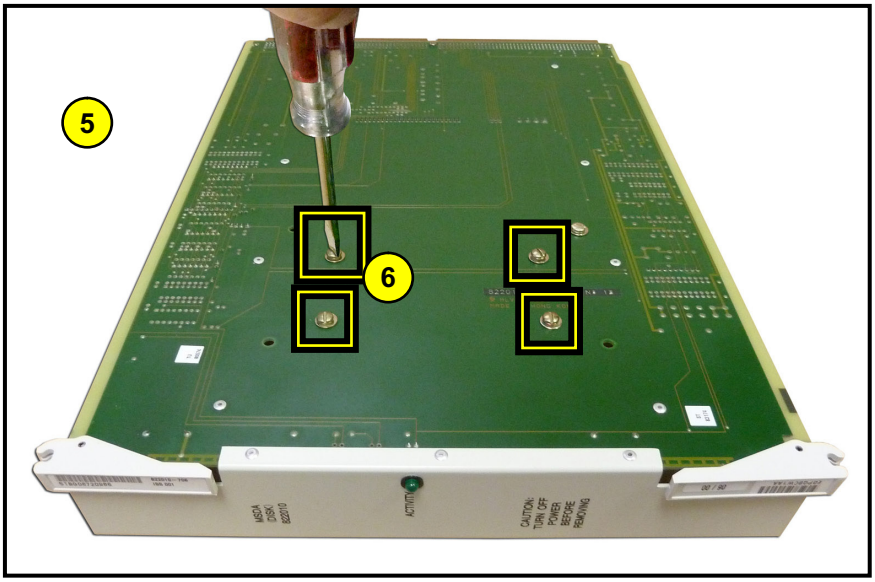
* *<u>Note</u>: The cable is seated tightly. Wiggle & pull firmly, <u>DO NOT</u> pull the wires.*

Copyright© 2025 by Telecom Assistance Group, Inc. / Phone: (856) 753-8585 / www.tagcords.com

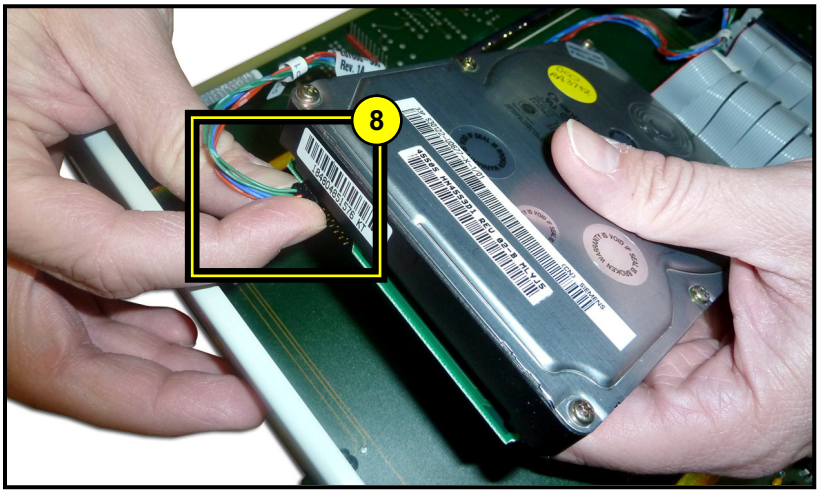
Hard Drive Replacement Procedure for DCO MSDA Circuit Packs

5. While holding the OLD drive in place, carefully turn the MSDA circuit pack over.

6. Remove the (4) screws & washers attaching the OLD drive to the circuit pack.



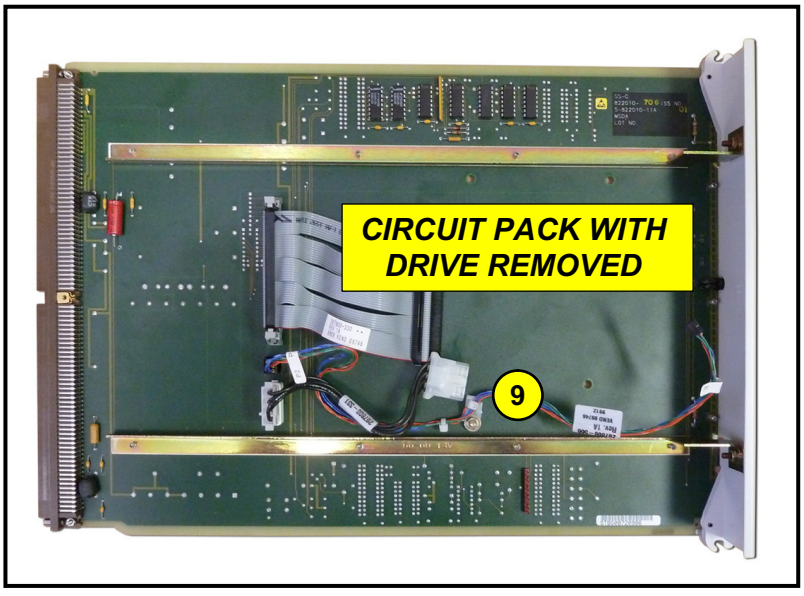
7. While holding the OLD drive in place, carefully turn the MSDA circuit pack back over again.



8. Disconnect the SCSI ID (drive select) cable from the OLD drive.*

* <u>Note</u>: *The cable is seated tightly. Wiggle & pull firmly, <u>DO NOT</u> pull the wires.*

9. Remove the OLD drive from the circuit pack.

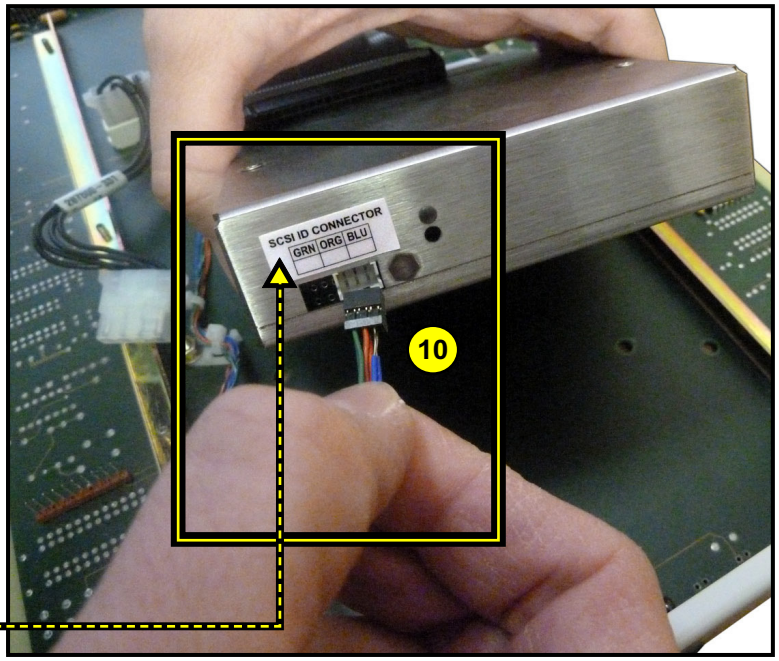


Copyright© 2025 by Telecom Assistance Group, Inc. / Phone: (856) 753-8585 / www.tagcords.com

Hard Drive Replacement Procedure for DCO MSDA Circuit Packs

Install the NEW TAG Hard Drive (# TSD-DCO-01/02):

10. Connect the existing SCSI ID (drive select) cable on the circuit pack to the NEW hard drive TSD-DCO-01/02.*



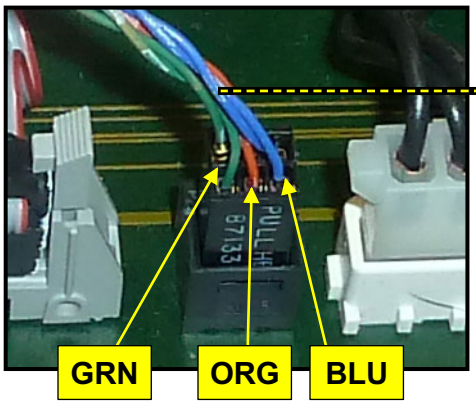
* *Note: Position the plug as shown:*

- *Blue wires should be on the* ***right side****.*

SCSI ID CONNECTOR

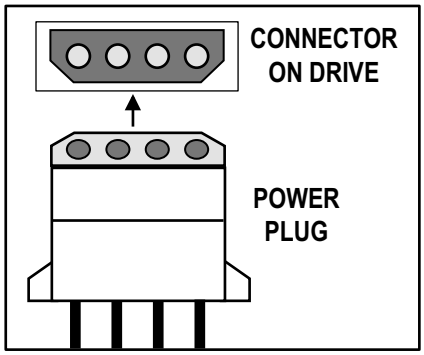
GRN	ORG	BLU

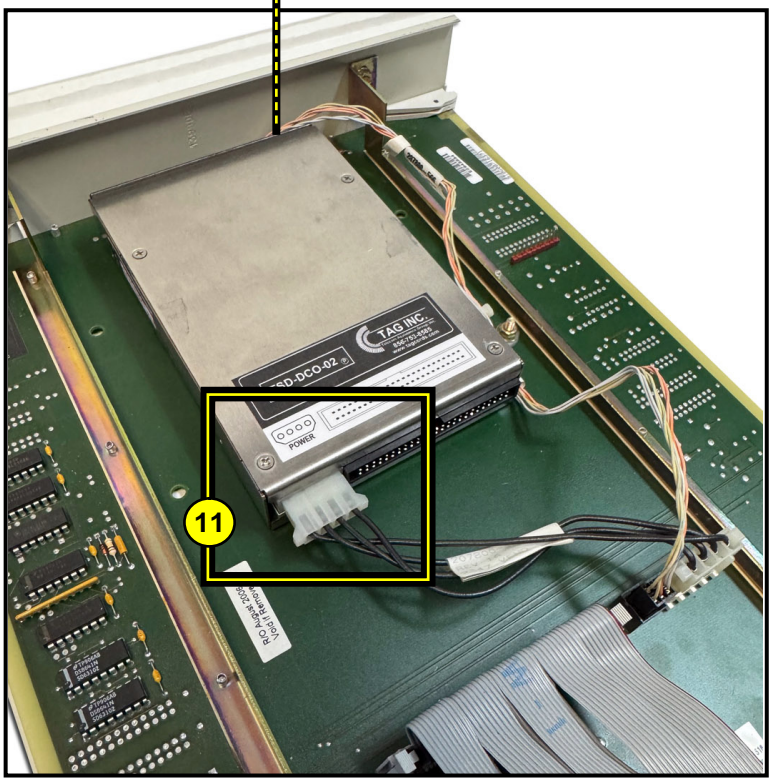
SCSI ID REF. DIAGRAM



11. Connect the existing power cable* on the circuit pack to the TSD-DCO-01/02.

* *Note the orientation of the plug.*

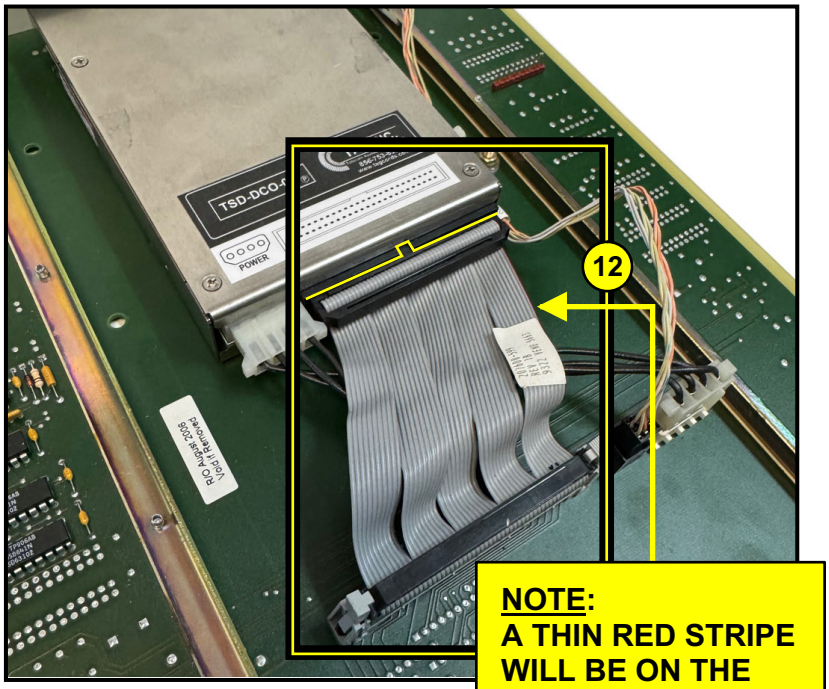




Copyright© 2025 by Telecom Assistance Group, Inc. / Phone: (856) 753-8585 / www.tagcords.com

Hard Drive Replacement Procedure for DCO MSDA Circuit Packs

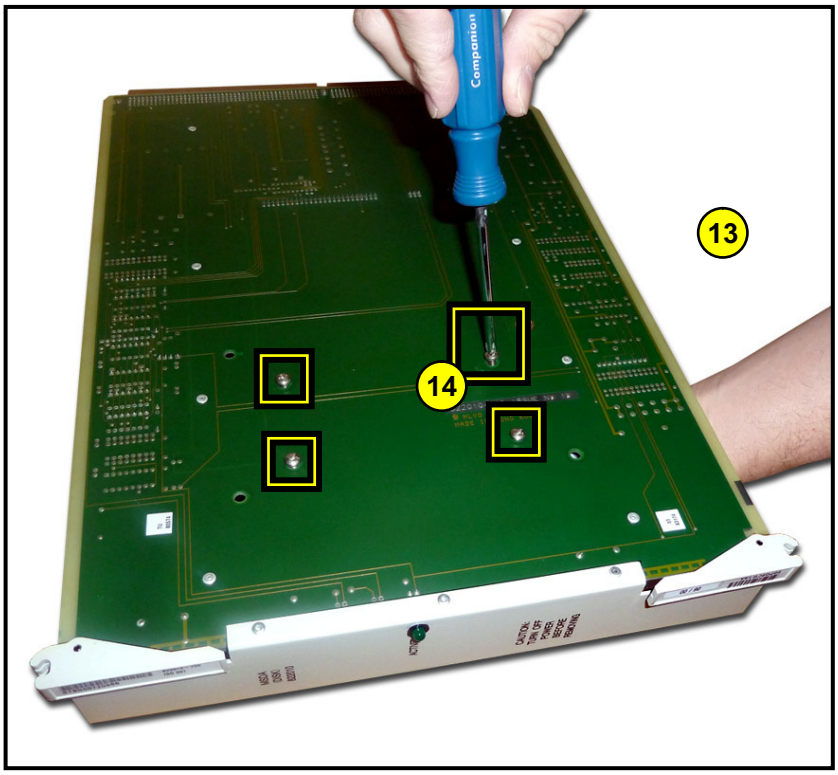
12. Connect the existing ribbon cable on the circuit pack to the TSD-DCO-01/02.



13. While holding the NEW drive in place, carefully flip the MSDA circuit pack over.

14. Line up the holes on the circuit pack with the holes of the NEW hard drive.

Attach the TSD-DCO-01/02 to the circuit pack with the supplied (4) screws.



15. Install the DCO MSDA (DISK) 822010 circuit pack with the NEW TAG hard drive back into the shelf according to install & turn up procedures.

Copyright© 2025 by Telecom Assistance Group, Inc. / Phone: (856) 753-8585 / www.tagcords.com