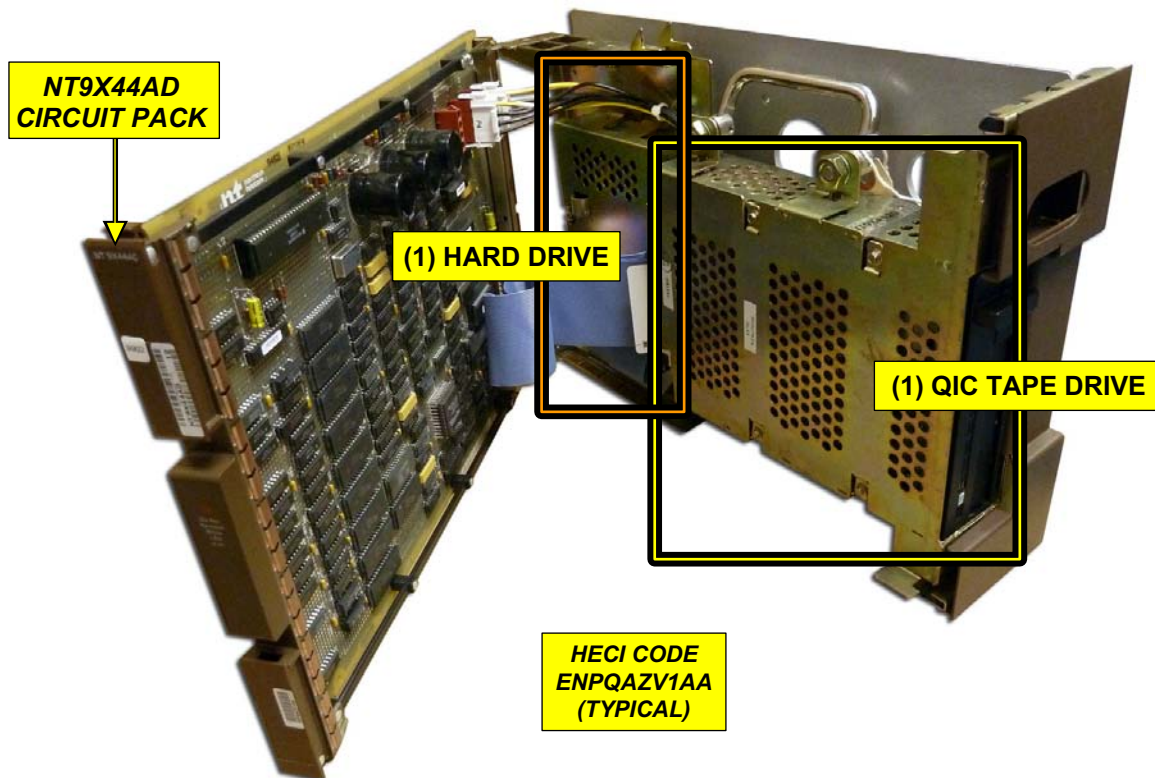## QIC Tape & Hard Drive Replacement Procedure for DMS-100 SLM NT9X44AD Circuit Pack

*The procedure on the following pages details removing the **QIC Tape Drive & Hard Drive** from a **DMS-100 SLM NT9X44AD** circuit pack & replacing them with **<u>NEW</u>** TAG Solid State SCSI Drives (# TSDT-9X44AD-02 & # TSD-9X44AD-01).*



**NT9X44AD CIRCUIT PACK**

**(1) HARD DRIVE**

**(1) QIC TAPE DRIVE**

**HECI CODE ENPQAZV1AA (TYPICAL)**

**OLD HARD DRIVE REMOVED FROM DMS-100 SLM NT9X44AD CIRCUIT PACK**
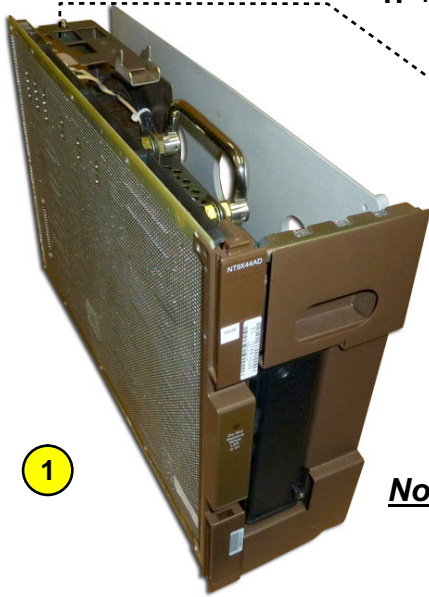
(NEW TAG Replacement will be # TSD-9X44AD-01)

**OLD QIC TAPE DRIVE REMOVED FROM DMS-100 SLM NT9X44AD CIRCUIT PACK**

(NEW TAG Replacement will be # TSDT-9X44AD-02)
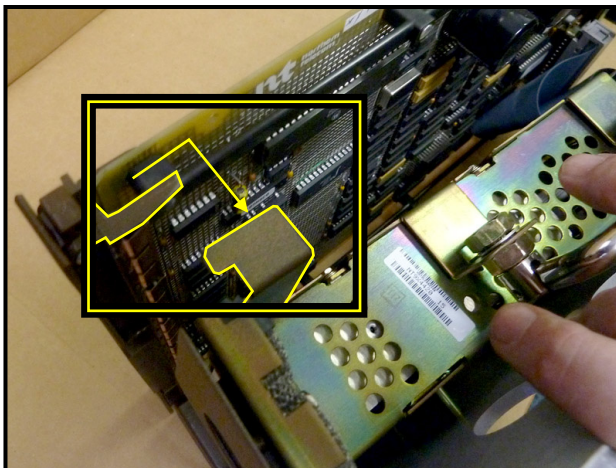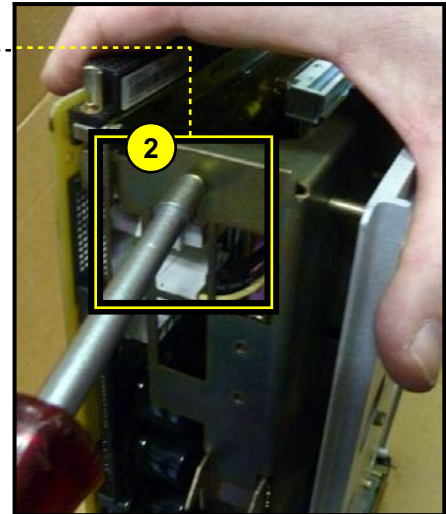


## TAG INC.
Telecom Assistance Group, Inc.

## QIC Tape & Hard Drive Replacement Procedure for DMS-100 SLM NT9X44AD Circuit Pack

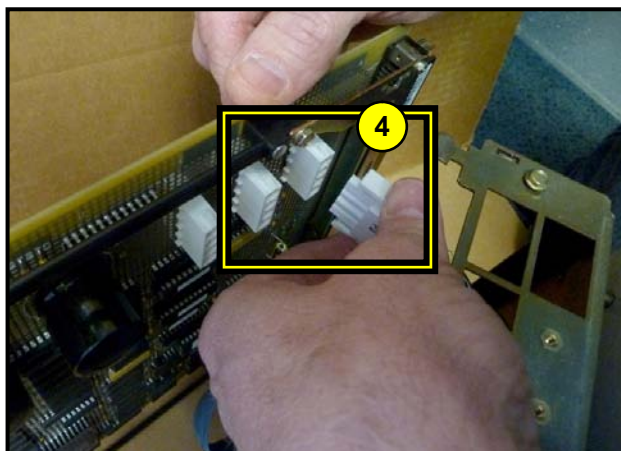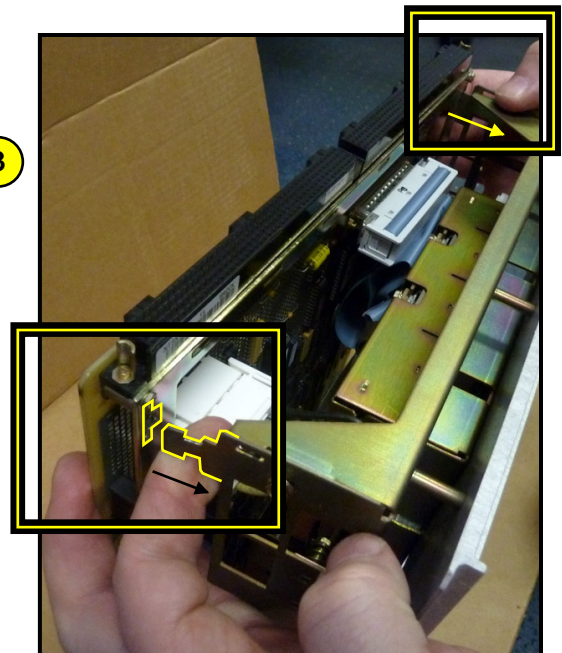1. Remove the NT9X44AD circuit pack using standard DMS100 removal procedures & place it on an anti-static surface.

2. Using a 1/4" hex nut driver, loosen the screw on the side of the circuit pack as shown. ⟶

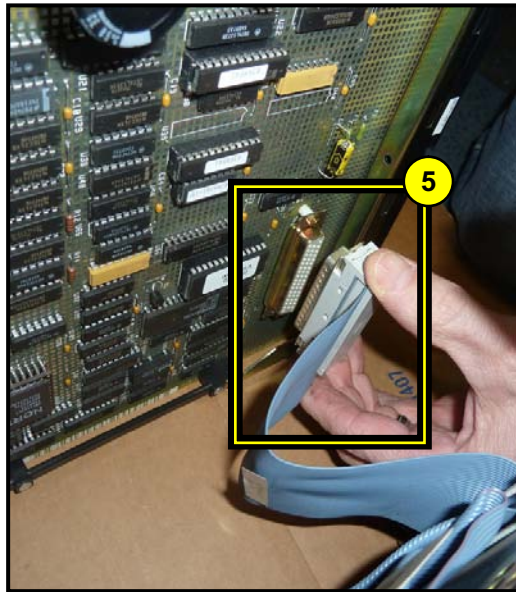   **_Note:_** *Screw is located at the top of the backside of the unit.*

3. Separate the side panel from the main unit of the circuit pack by disconnecting the tabs from the notches as shown.

4. Remove the (2) connectors (P3 & P4) attaching the side panel to the main panel on the circuit pack. (Squeeze the tabs on the side of each connector)
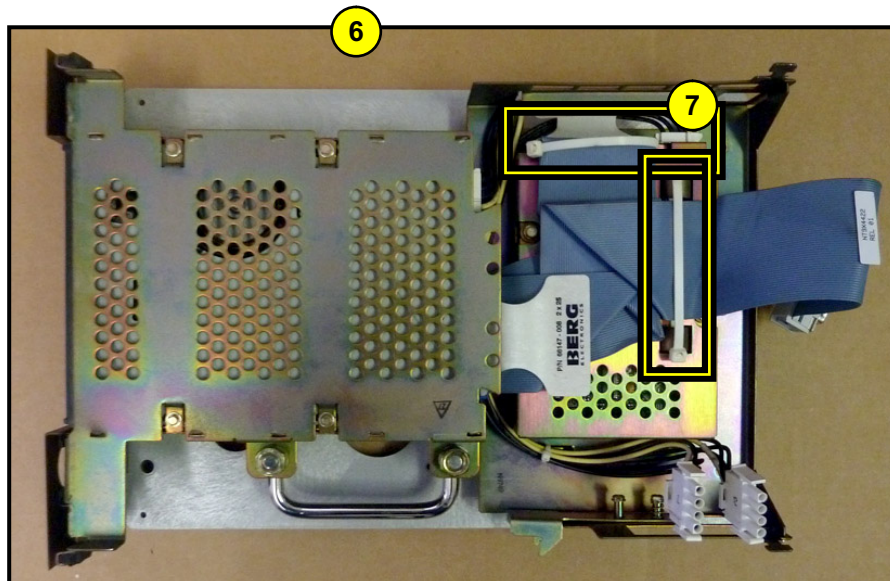
## QIC Tape & Hard Drive Replacement Procedure for DMS-100 SLM NT9X44AD Circuit Pack

5. Remove the ribbon connector attaching the side panel to the main panel on the circuit pack. (Connector is seated tightly, pull hard to remove)
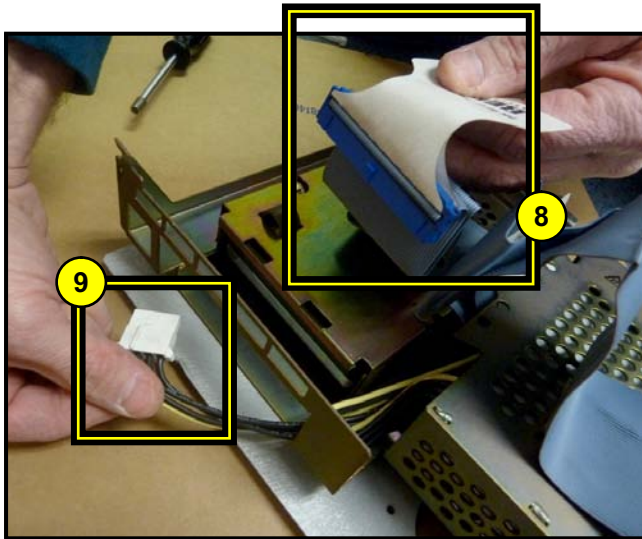
(view of panels separated)

6. Place the circuit pack down on an anti-static surface.

7. Carefully, without damaging the blue ribbon connector cable, cut off any zip ties.

## QIC Tape & Hard Drive Replacement Procedure for DMS-100 SLM NT9X44AD Circuit Pack
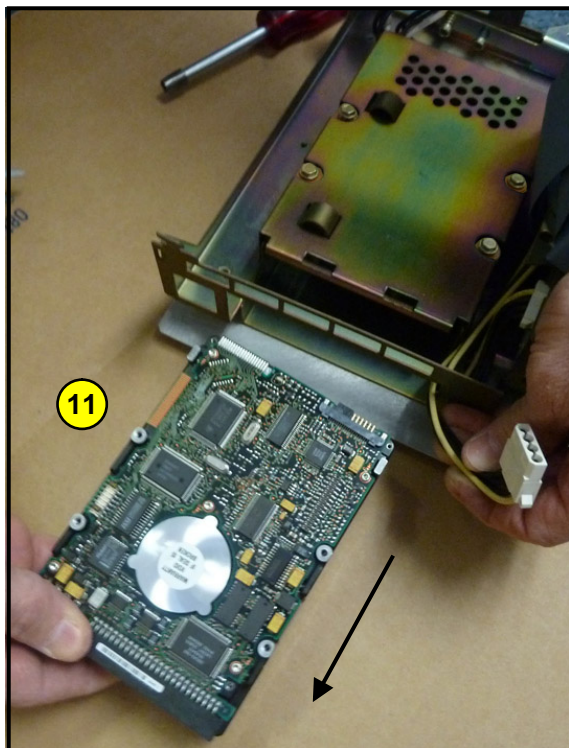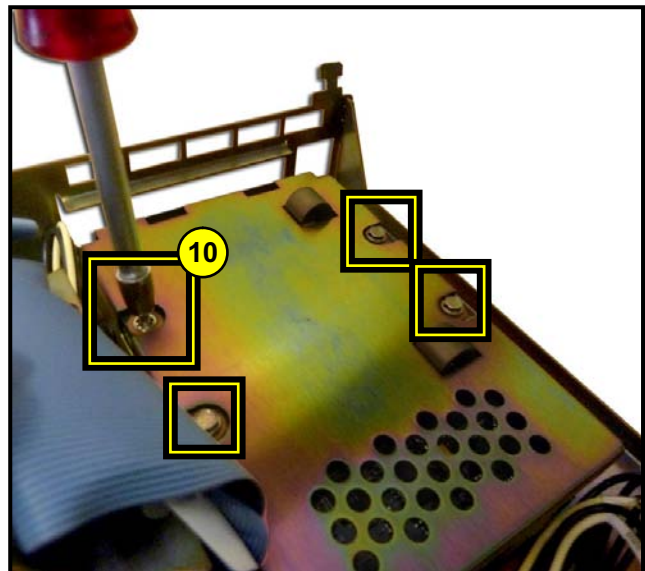


### Procedure to Remove the OLD Hard Drive:

8. Use the pull tab to unplug the ribbon cable from the OLD Hard Drive.

9. Unplug the power cable from the OLD Hard Drive. (Do not pull on the the cables)

10. Using a 1/4" hex nut driver, loosen the (4) screws attaching the OLD Hard Drive to the mounting cartridge on the circuit pack. (Keep track of the screws & lockwashers if removed)
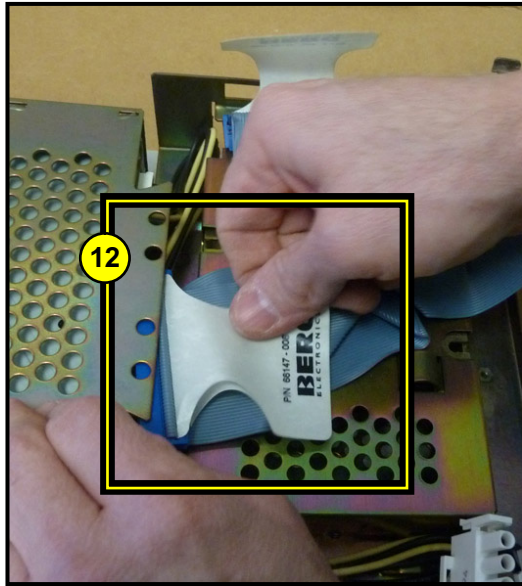
*Note:* *Leave the screw insulators in place. If damaged or missing, replace them with the new ones provided.*





11. Remove the OLD Hard Drive from the mounting cartridge by sliding it out of the front of the circuit pack.
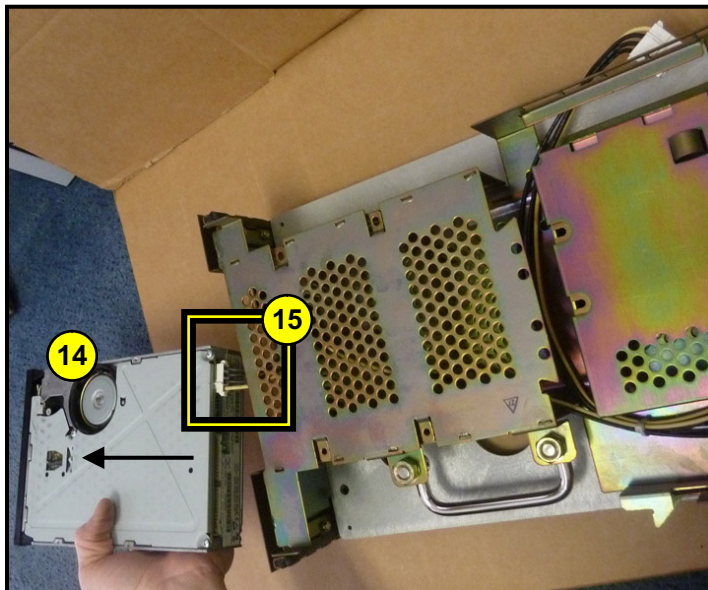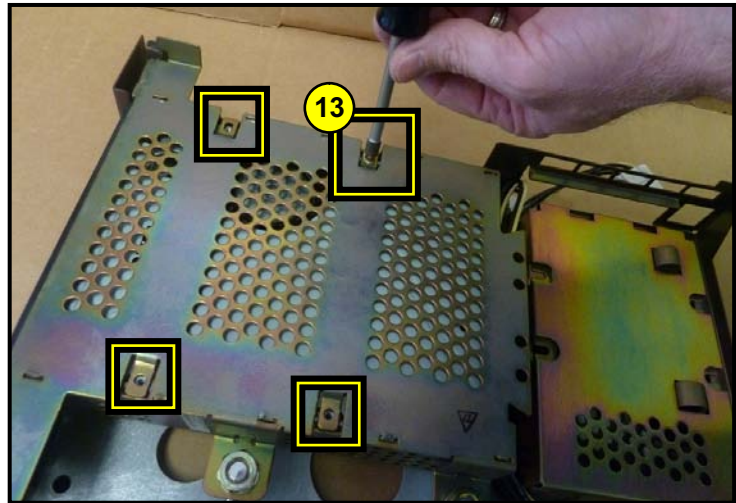
# QIC Tape & Hard Drive Replacement Procedure for DMS-100 SLM NT9X44AD Circuit Pack

## Procedure to Remove the OLD QIC Tape Drive:

**12.** Use the pull tab to unplug the blue ribbon cable from the OLD QIC Tape Drive.

**13.** Using 1/8" hex nut driver, remove the (4) screws attaching the OLD QIC Tape Drive to the mounting cartridge on the circuit pack.

**14.** Slide the OLD QIC Tape Drive out from the mounting cartridge.

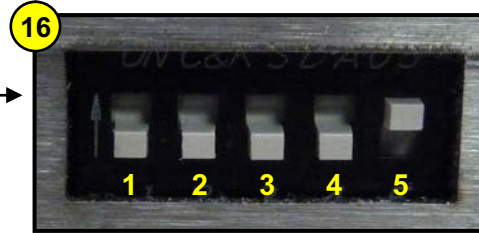**15.** Unplug the power cable from the OLD QIC Tape Drive.

_**Note A**_: _Power cable is seated tightly. Wiggle & pull firmly, DO NOT  pull the wires._

_**Note B**_: _Some power cables are shorter than others. If the cable is short, it should be unplugged BEFORE sliding out OLD QIC Tape Drive._

## QIC Tape & Hard Drive Replacement Procedure for DMS-100 SLM NT9X44AD Circuit Pack
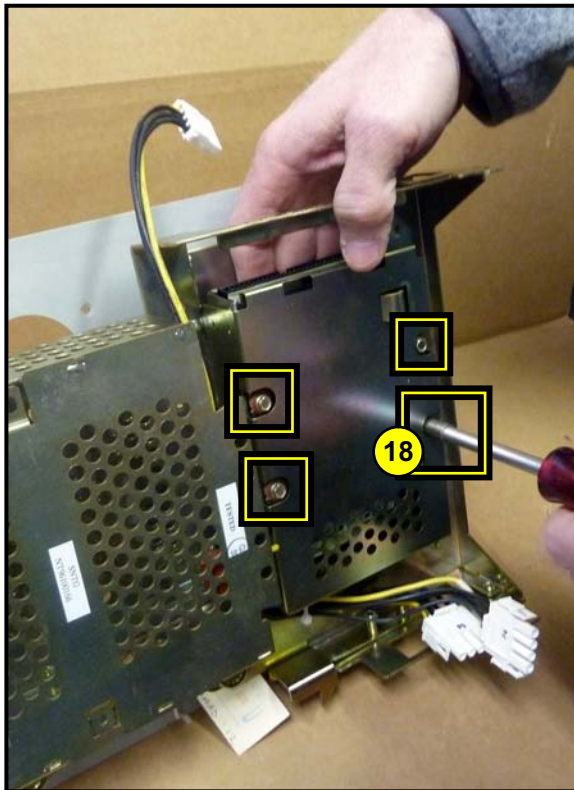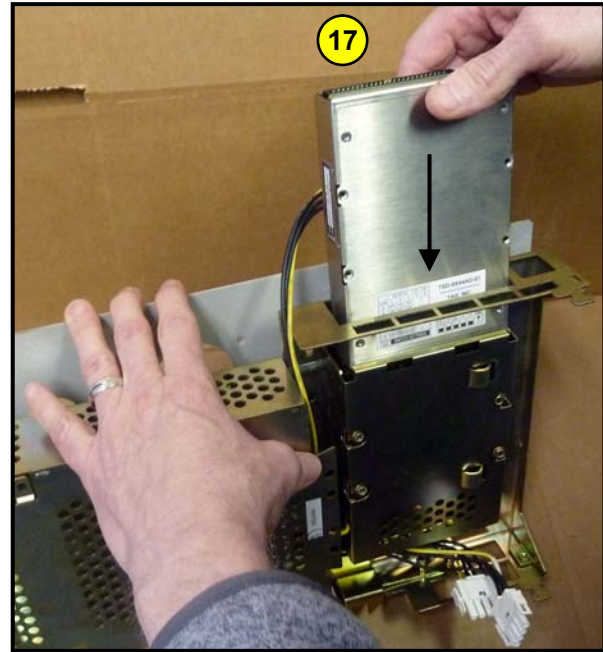
### Procedure to Replace the Hard Drive:

16. Make sure switches are set as shown. ⟶



17. Slide the <u>NEW</u> TAG hard drive
    (# TSD-9X44AD-01) through the
    side of the mounting cartridge.

    *Note:* *The "Switch Settings" label*
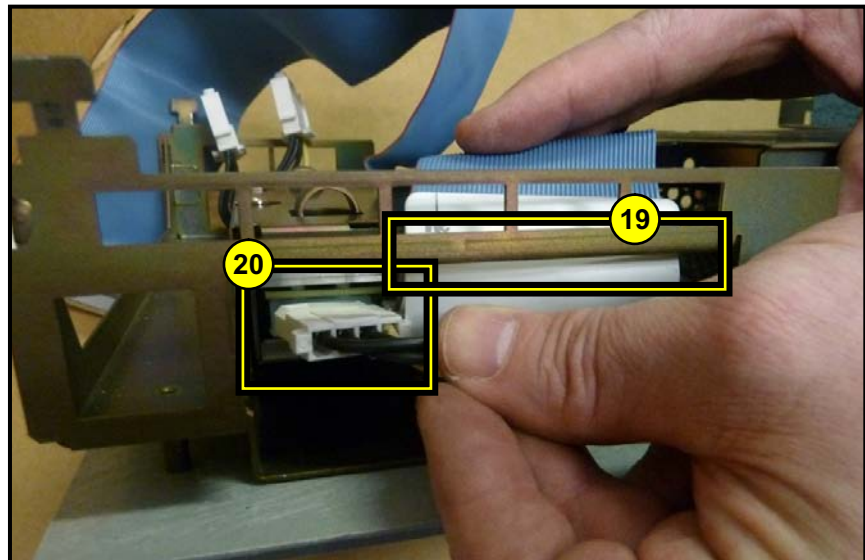    *should be face up as shown.*





18. Hold the # TSD-9X44AD-01 up close
    to the top of the carrier & use a
    1/4" hex nut driver to tighten the
    (4) screws & insulators to the hard drive.

    *Note:* *If the screw insulators are damaged*
    *or missing, replace them with the*
    *ones provided.*

19. Attach the existing
    ribbon cable to the
    # TSD-9X44AD-01.

20. Attach the existing
    power cable to the
    # TSD-9X44AD-01.

    *Note:* *Power cable end*
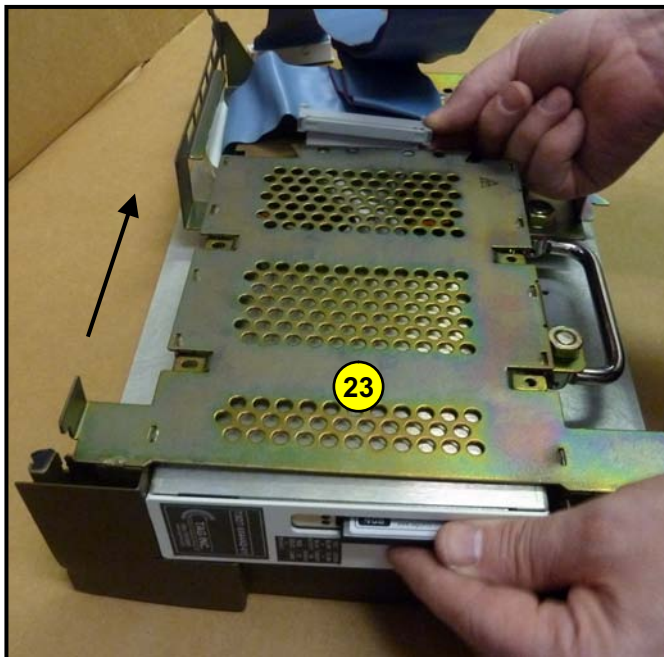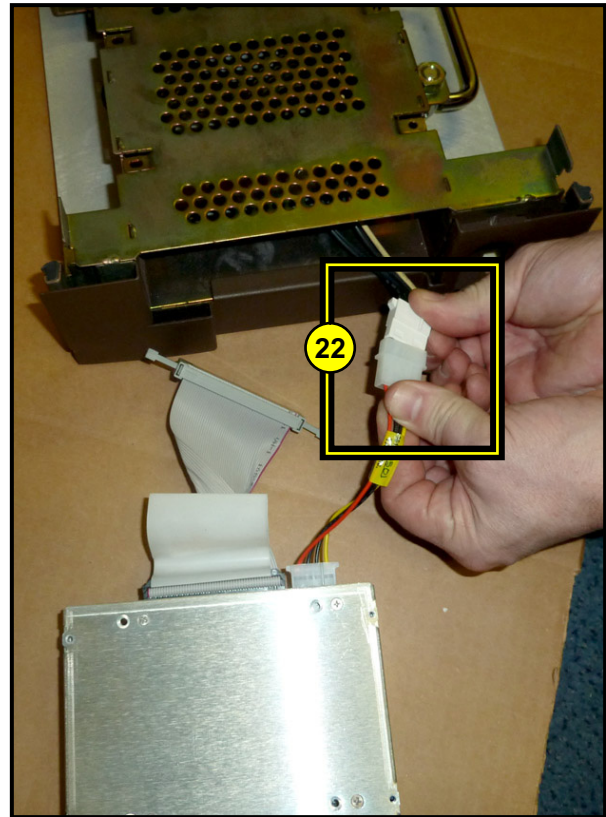    *has to be flipped*
    *to connect.*

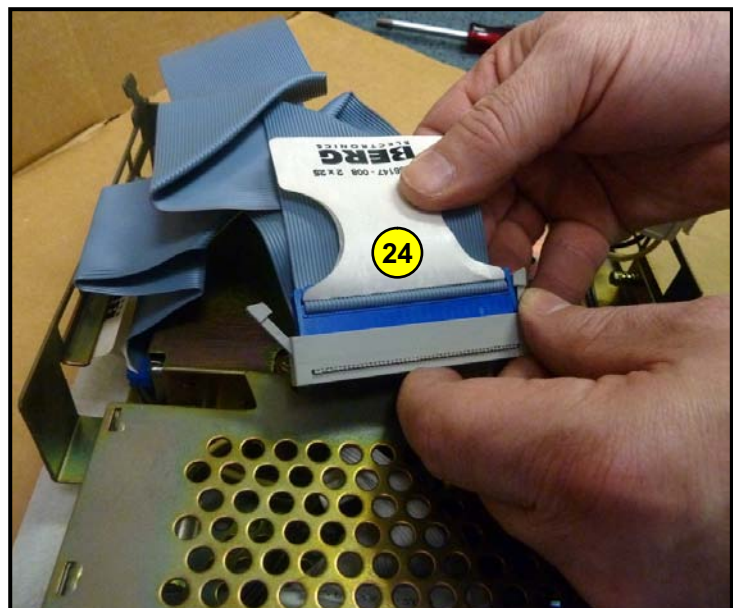## QIC Tape & Hard Drive Replacement Procedure for DMS-100 SLM NT9X44AD Circuit Pack
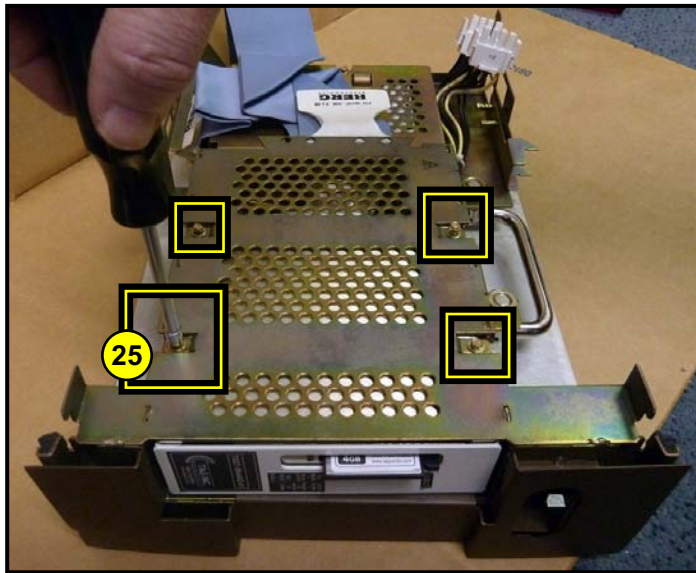
### Procedure to Replace the QIC Tape Drive:

21. Make sure switches are set as shown. →



22. Attach the power cable to the NEW TAG QIC tape drive (# TSDT-9X44AD-02) as shown.

23. Slide the # TSDT-9X44AD-02 through the front of the mounting cartridge on the circuit pack.

    *Note:* *The "Switch Settings" label should be face down.*





24. Attach the blue SCSI ribbon cable to the twisted extension SCSI ribbon cable on the # TSDT-9X44AD-02.
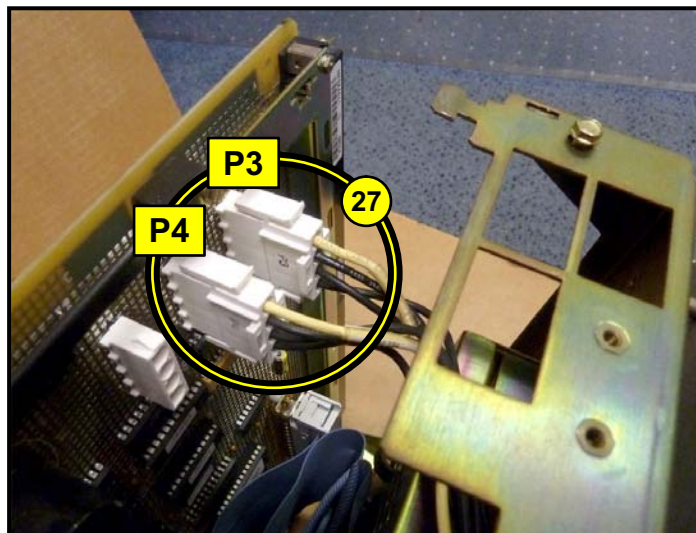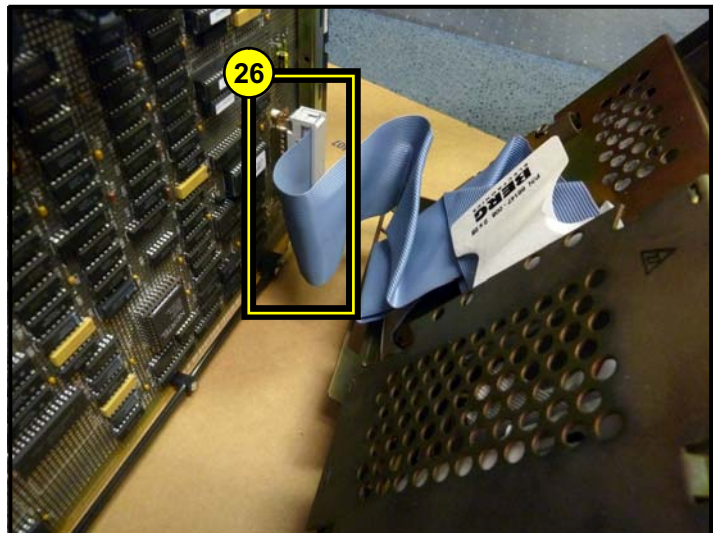
## QIC Tape & Hard Drive Replacement Procedure for DMS-100 SLM NT9X44AD Circuit Pack



**25.** Secure the # TSDT-9X44AD-02 to the mounting cartridge on the circuit pack. Use a 1/8" hex nut driver to attach the (4) screws.

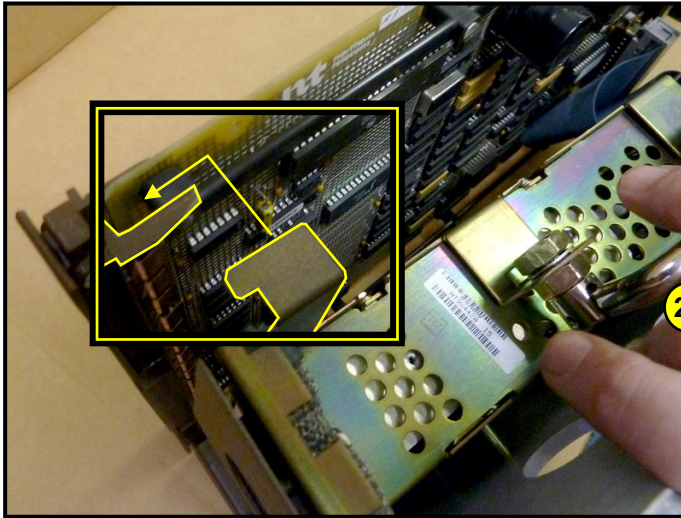### Reconnect the Circuit Pack:

**26.** Attach the remaining loose end of the blue SCSI ribbon cable to connector on the side panel on the circuit pack.
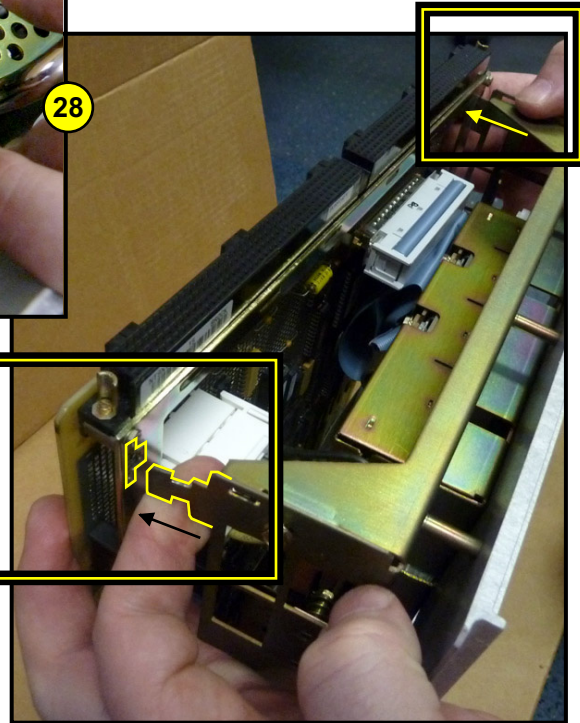




**27.** Plug the (2) connectors (P3 & P4) back into the side panel of the circuit pack as shown.
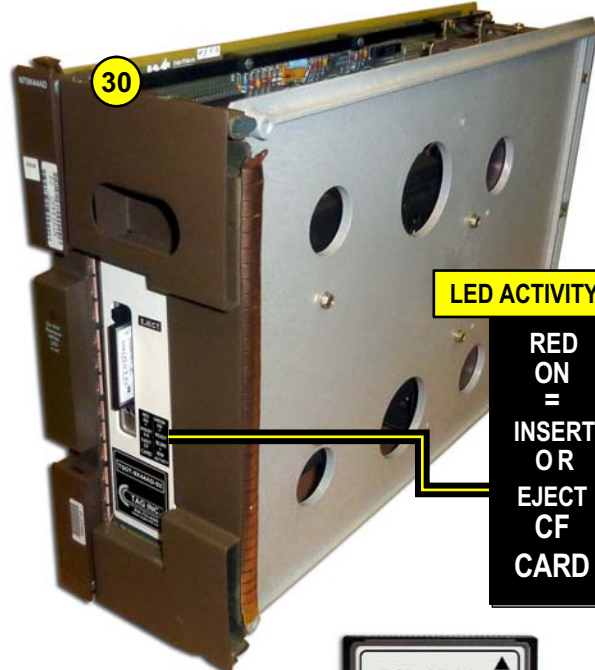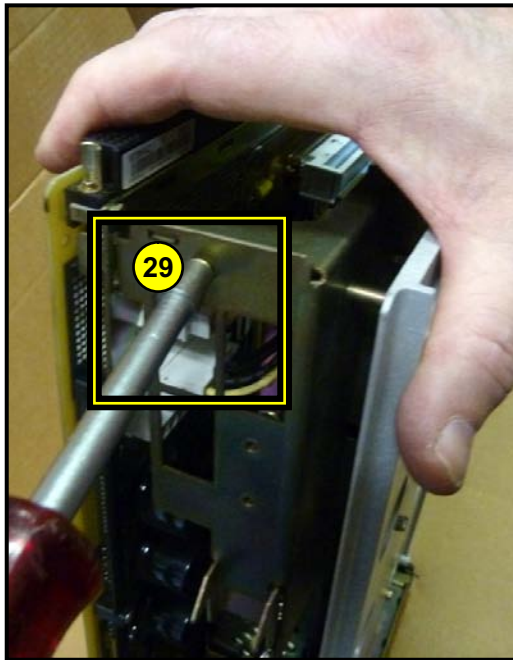
## QIC Tape & Hard Drive Replacement Procedure for DMS-100 SLM NT9X44AD Circuit Pack

**28.** Reconnect tabs into notches of the side panel as shown.

**29.** Using a 1/4" hex nut driver, tighten the screw on the side of the circuit pack as shown below.

**30.** Install the NT9X44AD circuit pack with the <u>NEW</u> TAG drives back into the shelf according to install & turn up procedures.

**31.** The # TSDT-9X44AD-02 includes a TAG Industrial Grade 4GB Compact Flash Card (# TSD-CF-04).

**LED ACTIVITY LABEL**

| RED ON = INSERT OR EJECT CF CARD | GREEN ON = READY BLINK = R/W ACTIVITY |
|---|---|

TSD-CF-04
Industrial Grade
Compact Flash

Telecom Assistance Group, Inc.

4GB   856-753-8585
www.tagcords.com