DAT Drive Replacement Procedure on 5ESS UN376E/F Circuit Packs

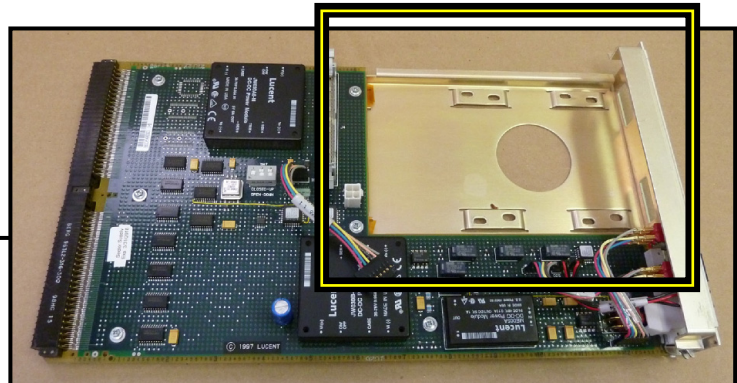CIRCUIT PACK UN376E

HECI CODE SP3QADLAAC (TYPICAL)

**THE TAG DAT DRIVE (# TSDT-5ESS-01)
IS USED ON 5ESS
UN376E & UN376F CIRCUIT PACKS.**

*The procedure on the following pages details removing a **DAT** drive from a 5ESS circuit pack (**UN376E/F**) & replacing it with a **NEW** TAG Solid State SCSI Drive (# TSDT-5ESS-01).*
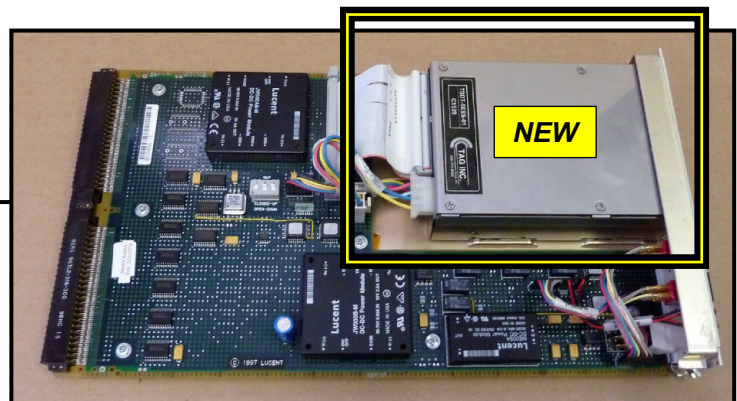
CIRCUIT PACK UN376

OLD

- **5ESS UN376 CIRCUIT PACK
  WITH AN <u>OLD</u> DAT DRIVE.**
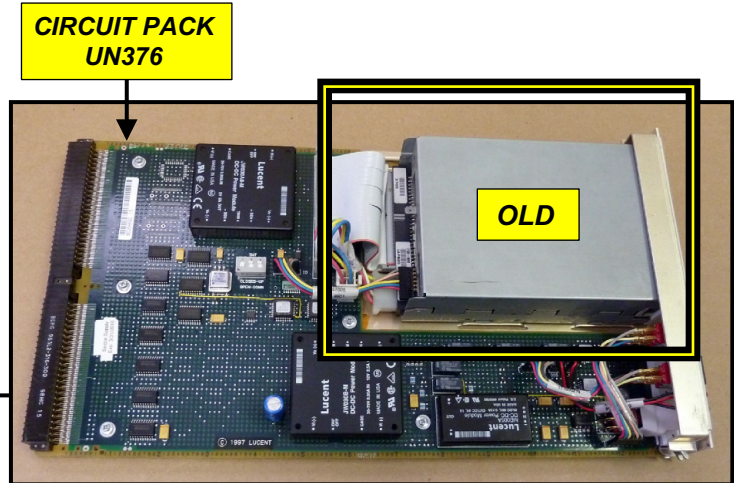
- **5ESS UN376 CIRCUIT PACK
  WITH THE OLD DEFECTIVE
  DRIVE REMOVED.**

NEW

- **5ESS UN376 CIRCUIT PACK
  WITH A <u>NEW</u> TAG SOLID STATE
  DRIVE (# TSDT-5ESS-01).**

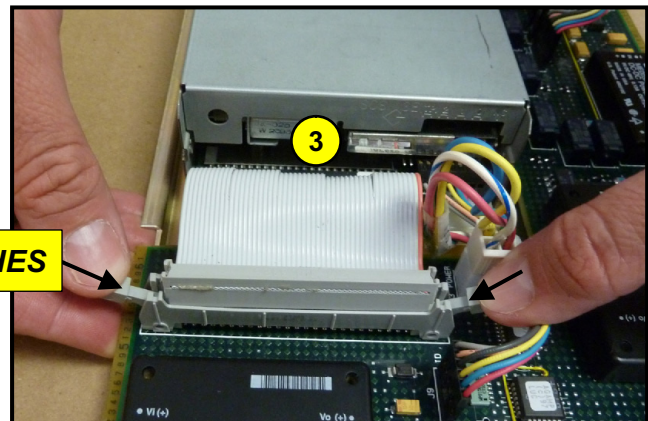**TAG INC.**
Telecom Assistance Group, Inc.

DAT Drive Replacement Procedure on 5ESS UN376E/F Circuit Packs

1. Remove the UN376 circuit pack using the 5ESS pack removal procedure.

2. Place the UN376 circuit pack drive side up on an anti-static surface.
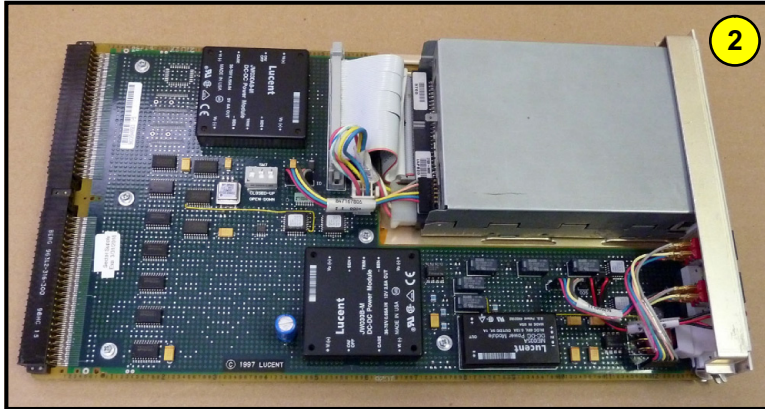
3. Remove the ribbon cable connector from the PC board using the 2 ejector latches.
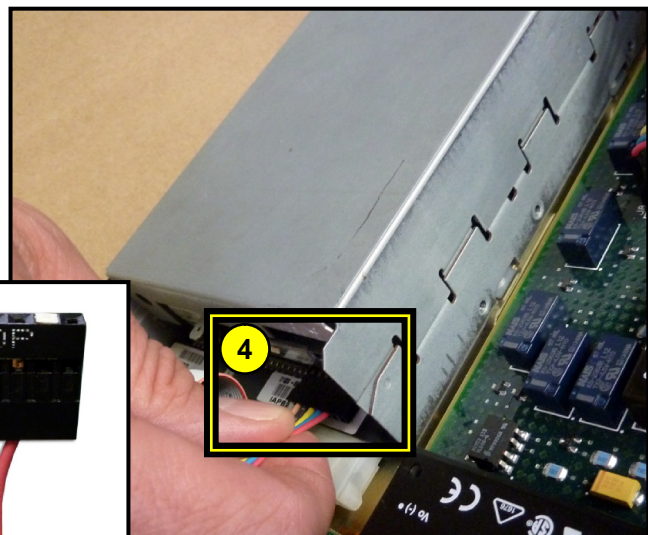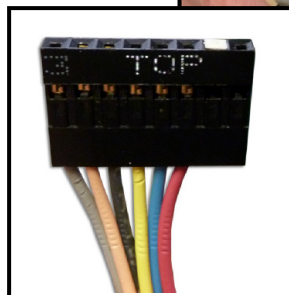
EJECTOR LATCHES
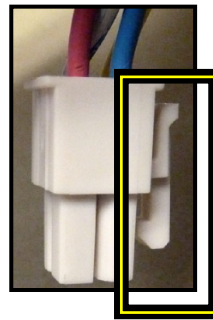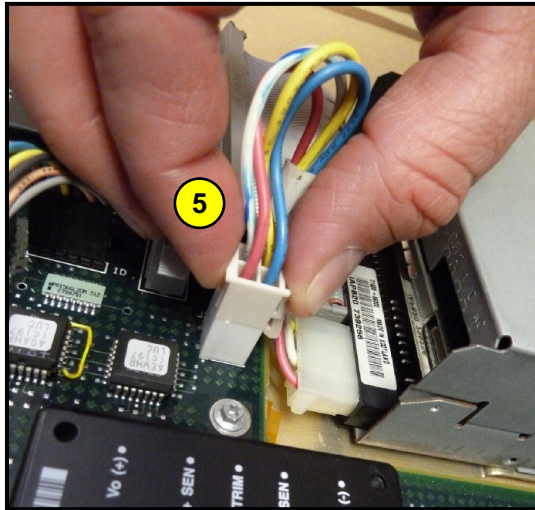
4. Disconnect the drive select cable from the defective DAT drive.*

* *Note: DO NOT disconnect the drive select cable from the UN376 circuit pack.*

- *If your drive select cable doesn't look like the one pictured here, you will need to disconnect it from the UN376 circuit pack & use the supplied cable.*
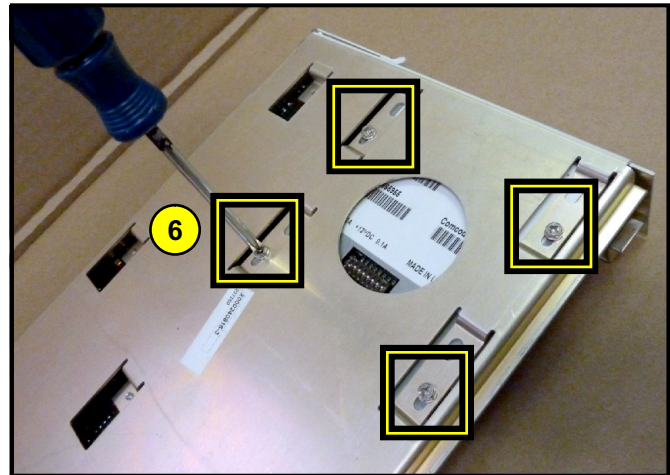
DAT Drive Replacement Procedure on 5ESS UN376E/F Circuit Packs

**5.** Press the release tab on the power connector & pull straight up to remove it from the PC board.

RELEASE TAB

6. Flip the UN376 circuit pack over & remove the 4 screws attaching the defective DAT drive.

7. Carefully return the UN376 circuit pack upright while supporting the drive assembly.

8. Separate the DAT drive from the UN376 circuit pack & pull the white tab to remove the ribbon cable from the defective DAT drive.
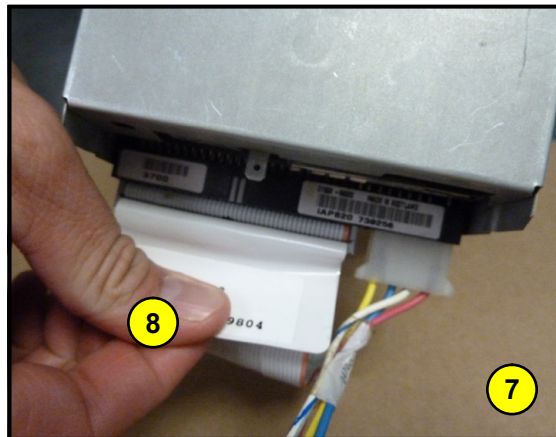
9. Remove the power cable from the defective DAT drive using the tabs on the side of the plug.*
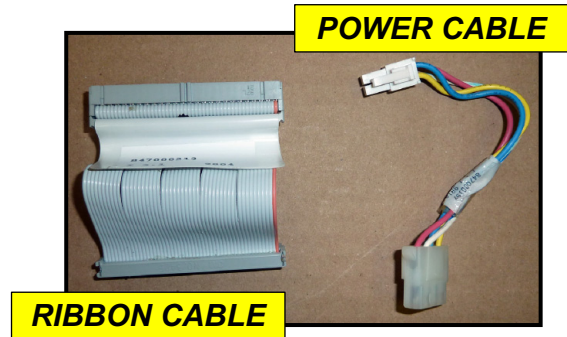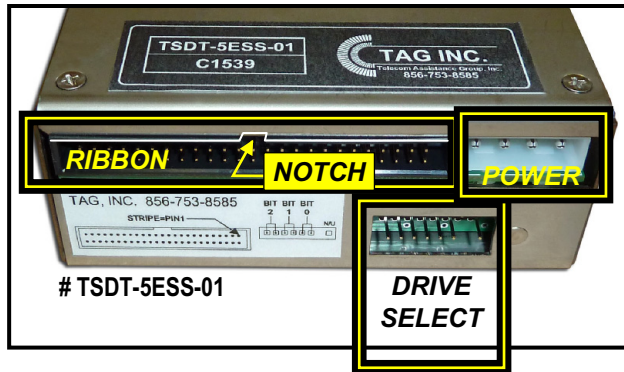
* Note: Power cable is seated tightly. Wiggle & pull firmly from tabs, do NOT pull the wires.
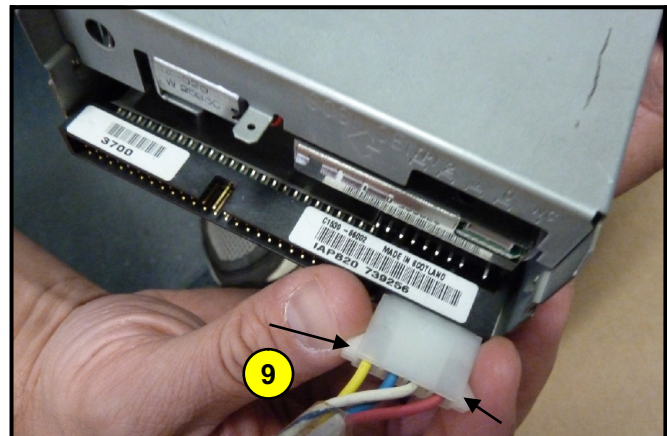
**10.** Set the ribbon & power cables aside for later.

11. Place the defective DAT drive in the appropriate package for return (if needed).

DAT Drive Replacement Procedure on 5ESS UN376E/F Circuit Packs

RIBBON   NOTCH   POWER

TSDT-5ESS-01
C1539   TAG INC.
856-753-8585

TAG, INC. 856-753-8585
STRIPE=PIN1   BIT BIT BIT
                   2   1   0   N/U

TSDT-5ESS-01   DRIVE SELECT

POWER CABLE

RIBBON CABLE

12. Connect the power cable* to the NEW TAG drive (# TSDT-5ESS-01).

Note the orientation of the wires. (Red wire to the left as shown)
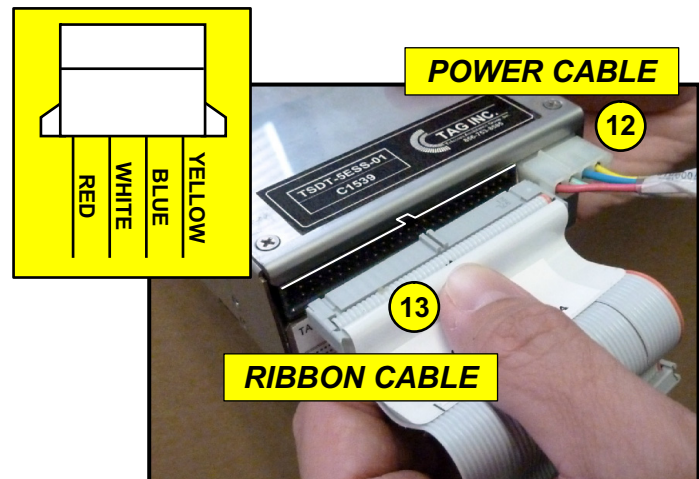
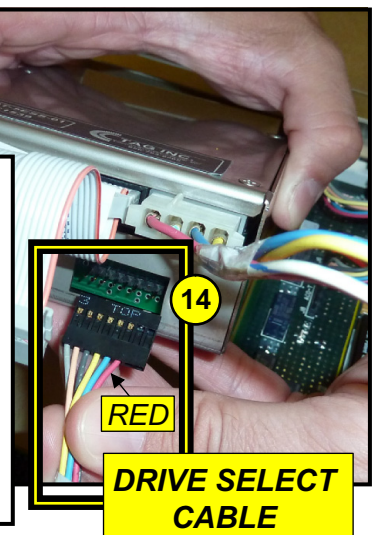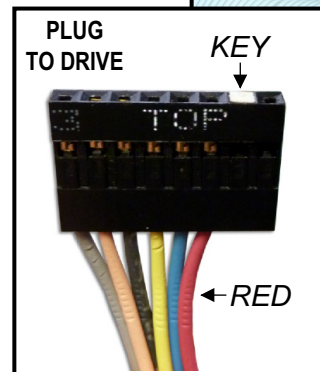**13.** Connect the ribbon cable** to the # TSDT-5ESS-01.

Note the orientation of the notch on the ribbon connector.

RED   WHITE   BLUE   YELLOW

POWER CABLE

RIBBON CABLE

14. Carefully connect the drive select*** cable to front of the # TSDT-5ESS-01.

****Note the orientation of the wires. (Wires to the left of plug, KEY & TOP as shown)***

PLUG TO DRIVE   KEY

TOP

←RED

RED

DRIVE SELECT CABLE

- If the new drive select cable was needed, connect it to the UN376 circuit board using the orientation shown here. (Red wire to the left)

RED
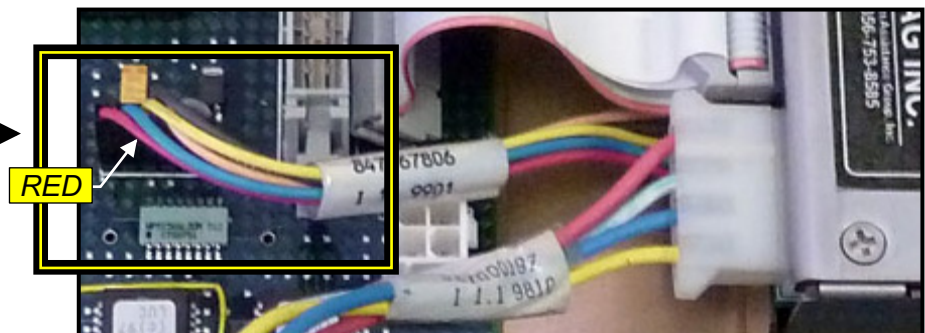
DAT Drive Replacement Procedure on 5ESS UN376E/F Circuit Packs

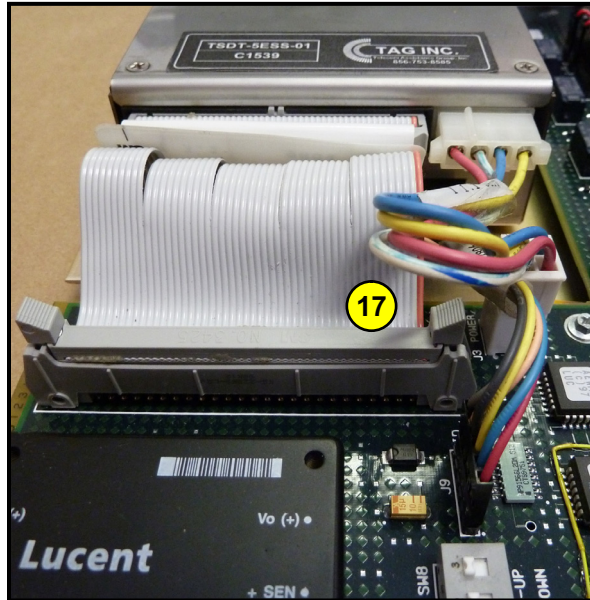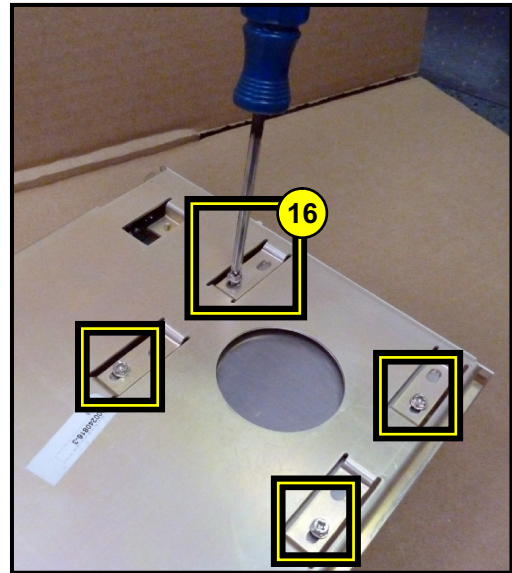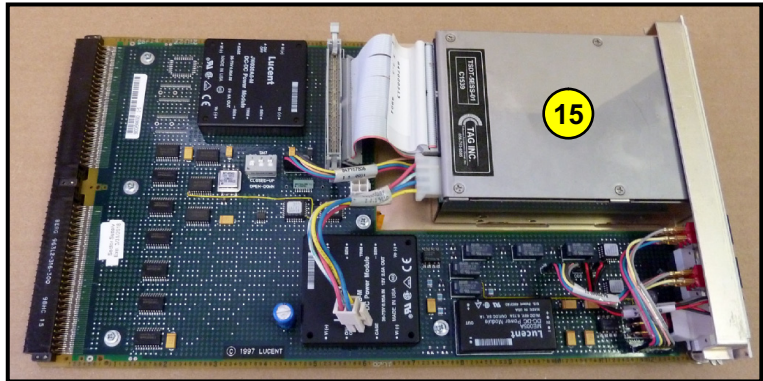**15.** Place the # TSDT-5ESS-01 with cables attached onto the drive area of the UN376 circuit pack.

16. Carefully turn the UN376 circuit pack assembly over.

Attach the # TSDT-5ESS-01 to the UN376 circuit pack using the supplied mounting screws.*

* Note: Move the drive assembly forward (towards front plate) before tightening the mounting screws.
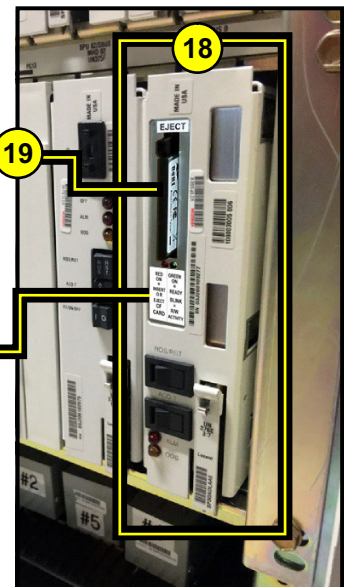
17. After the # TSDT-5ESS-01 is fastened to the UN376 circuit pack, connect the ribbon** & power cables to the PC board.

** Note: Connect the ribbon cable first. (Close ejector tabs)

18. Install the UN376 circuit pack with the <u>NEW</u> TAG drive back into the shelf according to 5ESS install & turn up procedures.

19. Insert the 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

Startup Notes:
- PH 91 Test (write protect) is <u>not required</u> because the CF card (# TSD-CF-04) cannot be write protected.