

DigiTrak® AURORA™ Display

AP8 Retrofit Installation Guide

This guide describes how to correctly replace an existing panel mounted MFD remote display with a new AP8 panel mounted DigiTrak Aurora Display. Please read this entire guide before beginning.

Warnings

- ! This guide is intended for professional installers with experience in similar tasks. If this doesn't describe you, please contact your dealer for installation.
- ! Disconnect the drill rig battery before installing this equipment.

Procedure

1. Unscrew the four nuts inside the console and then remove the four bolts from the MFD. Remove the MFD and disconnect the power and coaxial antenna cables.
2. *Optional:* Install a new TNC/TNC bulkhead fitting on the side of the console, as discussed in the following section.
3. Connect the 4-pin-to-8-pin power adapter cable to the existing 4-pin power cable.
4. Connect the 8-pin connector and new coaxial antenna cable to the Aurora display.
5. Connect the new coaxial cable to the new bulkhead fitting (if applicable).
6. Remove the four corner bolts pre-installed on the AP8, add the star and lock washers, and install the display.

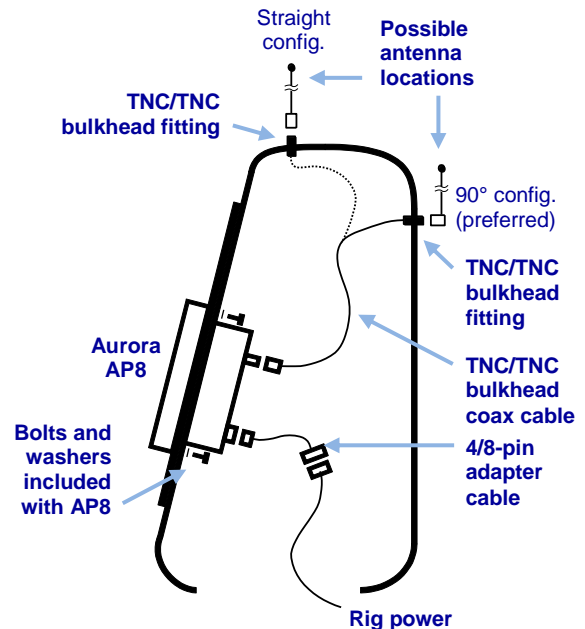
Antenna

For **improved** telemetry performance, remove the existing 13 in. whip antenna and coaxial cable and install the new antenna and cable provided with this retrofit kit.

For **best** performance, use the new antenna in the 90° orientation as it is provided, mounting a new bulkhead fitting on a vertical, forward-facing surface.

To convert the antenna back to the straight configuration, use a $\frac{5}{64}$ in. (1.98 mm) Allen wrench to loosen the locknut at the base, move the antenna to the hole at the top of the base, and retighten the nut.

Typical Wiring Diagram



Kit Contents

- | | |
|--------------------------------------|--------------|
| 1. 13" TNC antenna | p/n 610-0143 |
| 2. TNC/TNC bulkhead coaxial cable 3' | p/n 460-0045 |
| 3. Adapter cable, 4-pin to 8-pin AP8 | p/n 460-0044 |
| 4. Washer packet, star | p/n 302-0019 |
| 5. Washer packet, locking | p/n 302-0492 |

