MOTOTRBO REMOTE MOUNT CONTROL HEAD

INSTALLATION GUIDE

PMLN6404_

EN   LAS   BP   FRC
DE   FR   ES   IT   PL   RU

Remote Mount Control Head Installation

⚠️ Caution	The radio must be disconnected from the power supply before commencing any disassembly. The Radio Installation Manual should be referred to for more detailed information on warning and safety. If your mobile radio is equipped with Bluetooth, depending on where the transceiver is mounted, the range of the Bluetooth connected devices can be reduced. Remounting the transceiver in another location maybe necessary to improve the coverage. Avoid placing large metal objects directly in front of the transceiver as this can also reduce range.

Note: Firmware version MOTOTRBO 2.0 R02.06.11 or later MUST be programmed into the radio for proper operation of the Remote Mount Control Head configuration.

To Disassemble the Control Head from the Radio

1. Insert the dismantling tool in the groove between the control head and the radio assembly.
2. Press the dismantling tool under the control head to release the snap features.
3. Separate the control head and the radio by removing flex cable from radio assembly.
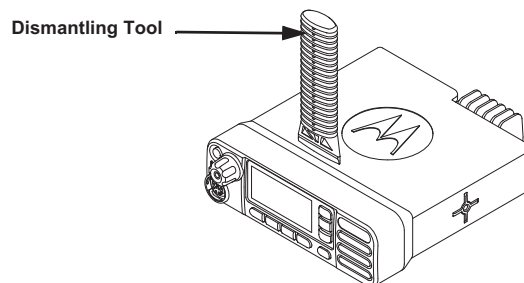
Dismantling Tool

Figure 1. Control Head Removal
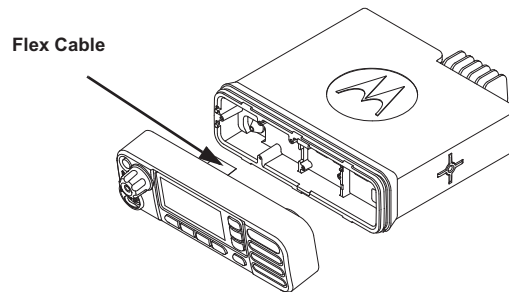
Flex Cable

Figure 2. Flexible Connection Removal

To Assemble the Remote Control Head Interface Module on the Control Head

1. Verify that the flex cable is fully seated in the connector on the control head assembly.
    (See Figure 3.)
2. Assemble the flex cable to flex connector on the remote control head interface module, making
    sure it is fully seated. (See Figure 3.)
3. Press the control head onto the remote control head interface housing until ALL the tabs snap into
    place.
4. Verify that the control head seal is not pinched and visible. If a pinch is found, disassemble the
    control head, reseal the O-ring and reassemble the control head.

To Assemble the Remote Radio Interface Module on the Radio

1. Verify that the flex cable is fully seated in connector on the remote radio interface module.
    (See Figure 3.)
2. Assemble the flex cable to the flex connector in the radio assembly, making sure it is fully seated.
    (See Figure 3.)
3. Press the remote radio interface housing onto the radio chassis until ALL the tabs snap into place.

To Install the Remote Control Head

1. Position the remote trunnion bracket in the desired location for remote control head.
2. Using the trunnion bracket as a template, mark the positions of the holes on the mounting surface.
3. Center punch the marked spots and realign the trunnion in position.
4. Secure the trunnion bracket with the self drilling provided screws.
5. Route the remote cable as required.
6. Assemble the 25 pin connector by aligning the pins and mounting holes. Secure the connector
    with the two screws provided at a torque setting of 0.452 N-m (4 in-lbs).
7. Snap the remote control head assembly into trunnion bracket.
8. Adjust the remote control head assembly as required and secure it with the two wing screws
    provided.

English

To Install the Mobile Radio

The Radio Installation Manual should be referred to for detailed radio installation steps.

Note: Remote cable connection on the radio side is the same as the remote control head side. The two screws for securing the 25 pin connector on the radio side should also be torqued at 0.452 N-m (4 in-lbs).
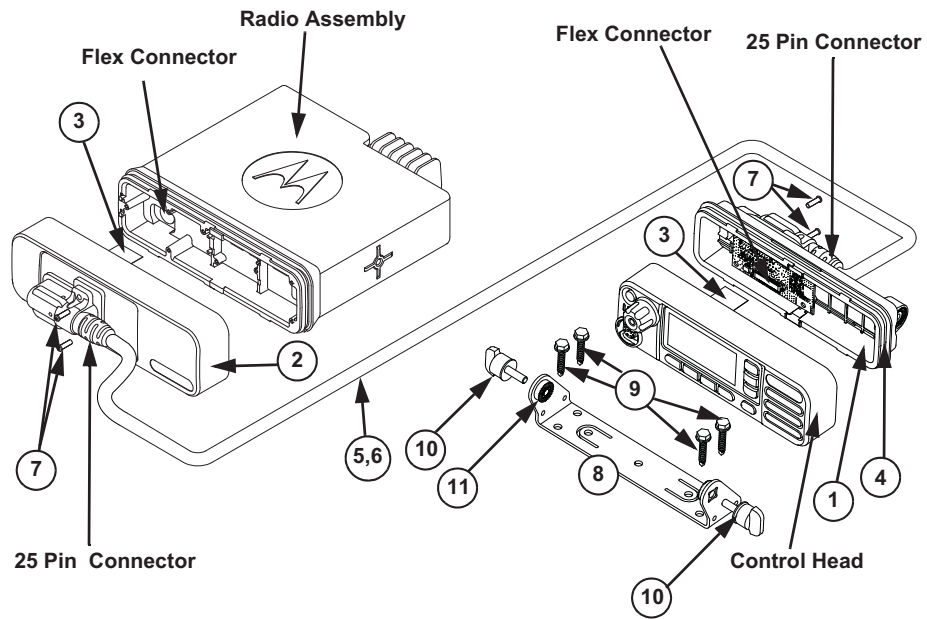

Radio Assembly

Flex Connector

Flex Connector   **25 Pin Connector**

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25 Pin Connector

Control Head

Figure 3. Remote Control Head Assembly and Trunnion Mounting

Table 1: Replacement Components

Item	Part Number	Description
1	PMLN6403_	Remote Control Head Interface
2	PMLN6402_	Remote Transceiver Interface
3	30012045001	Flat Flex Cable
4	3216200H01	Control Head O-Ring
5	PMKN4143_*	3 Meter 25 Pin Extension Cable
6	PMKN4144_*	5 Meter 25 Pin Extension Cable
7	03012000001	Screw
8	PMLN4912_	Remote Trunnion Kit
9	0371950L01	Self Drilling Screw
10	0371815L01	Wing Screw
11	4371571M01	Spacer
12	6686119B01	Dismantling tool

*Cable kits to be ordered separately

Note: Specifications are subject to change without notice. Contact your Motorola Solutions dealer for the latest specifications.

English