

Installation Instructions & Use Recommendations

FMS Accessories – TFT Dashboard BMW NAV Display

These instructions must be read carefully and thoroughly **before** beginning work. FMS Solutions, LLC accepts no liability for damage caused by failure to observe the installation instructions or use recommendations.

Installation of this accessory does not change the factory specified load limits for the motorcycle.

Note: Installation of BMW NAV mounts on TFT dashboard models requires drilling holes in the top dashboard surface!



An optional RFI shield has been developed to reduce the amount of interference seen on the BMW NAV satellite reception map. The optional RFI shield sandwiches between the FMS NAV mount and the NAV cradle hardware as shown at right. If the RFI shield is being installed, note these variations in directions.



It is recommended that the RFI shield be attached as an assembly prior to marking and drilling the mounting holes. This enables you to align the shield with the fairing so that all the gaps are consistent. Otherwise, small variations in alignment will not be noticed until it is too late.

It is recommended to route your GPS power cable down through the center hole designed for cable entry. If routing outside, be careful to not block the isolation damping of the TFT screen, etc.

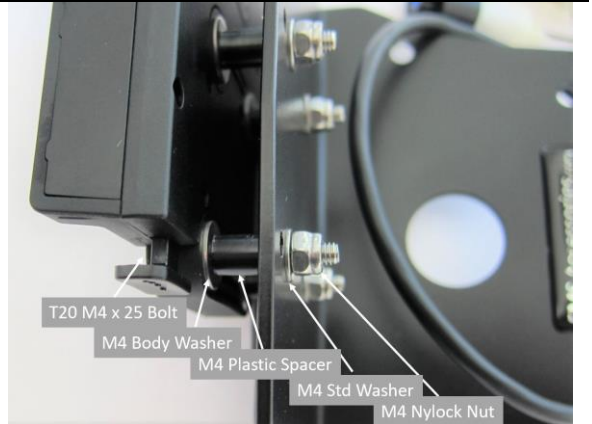


Mount the BMW NAV cradle to the bracket as noted in the photo at right. **Do not over-tighten the M4 bolts** as you could crush the plastic spacers and negate the vibration bushings in the BMW NAV cradle. Just tighten them "snuggly". The Nylock nuts will keep them from coming loose.

Four-Button Cradle uses the shorter bolts & spacers.

Locking Cradle uses the long bolts & spacers.

Reinstall the windshield.



Remove the windshield. Place the mounting bracket in the position so it cannot move farther forward. Holding the bracket steady, drill the two M6 holes in the forward side. Insert two of the provided M6 rivet bodies (no pin yet) to secure the bracket and drill the other two M6 holes.

Take a pencil and draw around the center hole.

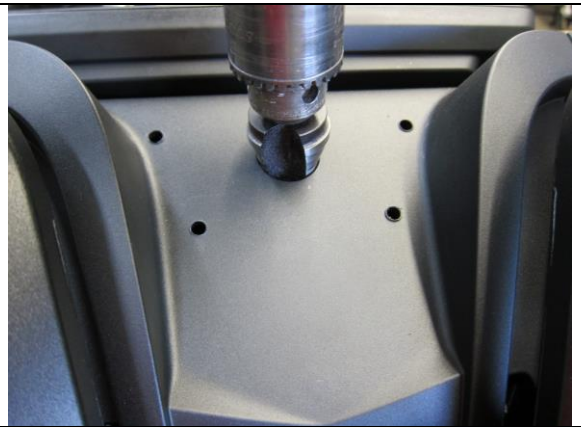
Remove the bracket.



You may skip this step if you do not intend to run the cable down through the top of the dashboard. The BMW GPS cradle cable is thin enough you can run it down between the TFT display and the dashboard. Just ensure the cable is not “squeezed”.

Using a large Uni-Bit, drill out the center hole so that the grommet fits inside the hole. The grommet is mounted in the bracket, but it must be able to extend through the hole.

Use this opening to route radar cables as the fairing bodywork is very precise with no gaps to otherwise route cables.



Press the grommet into the bracket so that it locks to the bracket frame. Mount the bracket using the four (4) M6 push rivets supplied. Start with the forward edge and secure those two rivets first, then the two rivets nearest the TFT display. Note that once those rivets are installed, it is difficult to remove them. One method to remove the push rivets is screw a thin drywall screw just into the pin – then pull out.

Additional hardware packages are available from FMS Accessories <https://fmsaccessories.com/hardware-set-tft-display-mounts>



The FMS BMW NAV cradle mount has two sets of indexed holes to enable use of either the BMW four-button cradle or the later locking cradle from the GS / ADV series motorcycles.

The lower set is for the four-button cradle – the higher set is for the locking GS / ADV cradle.

These holes also should match the Garmin Zumo mount.



Note the attached edge molding on the RFI shield. Do not remove it as it is designed as a safety measure. Periodically remove the GPS and clean the RFI shield to keep dirt and debris from collecting, which could promote corrosion.

Note: The RFI shield should not touch the TFT display! There should be adequate clearance.



Civilian Models: If the factory SAT radio antenna is present, it must be removed. Unscrew the mounting bolt from below, unplug the antenna and remove it. Abandon the SAT radio antenna wire. You should connect a different antenna at the rear, directly to the radio under the passenger seat (similar to the one shown at right from Amazon with Fakra connector). It is reported by customers that mounting this type of antenna to the top of the rear turn signal housing works well with or without top case.



On models fitted with charging cradles, there is a GPS connection plug, emanating from the cable leading to the LH handlebar switch. It is right near the frame / air filter area. This plug is the factory connection which includes power, ground and LIN communications. You will need to look for it!



If you are connecting a GPS cradle / mount that is not from BMW, you likely do not have the 3x connector needed to plug into the GPS plug as noted above.

FMS Accessories has these plugs available for you to splice into your aftermarket cradle cable so that your BMW connectors remain intact. <https://fmsaccessories.com/sealed-bmw-electrical-connector-sets>

Pin #1 = Ground (Black)
Pin #2 = LIN (Violet - If Functioning or blue seal plug)
Pin #3 = 12V Power (Red)



Alternatively, FMS offers two easy "Y" connections to the RH power socket for connection of a generic GPS that doesn't require BMW connections or for a BMW cradle where the factory GPS power plug is not available.

<https://fmsaccessories.com/nav-wiring-connection-harness>



Feedback: Thank you for your purchase and we welcome your feedback as we too want to make every accessory exceed your expectations. Report any comments, suggestions, problems or concerns to FMS Solutions, LLC at info@fmsaccessories.com.

FMS Solutions, LLC Limited Warranty

FMS Solutions, LLC warrants to the first retail purchaser of new FMS Accessory products, to be free from defects in materials or workmanship, for a period of three (3) years from the original date of purchase as noted on the FMS Solutions, LLC invoice or original dealer invoice, except for paint and powder-coated finishes, which are warranted for the first 12 months only. LED lights from Fenix, Inc., Code 3, Inc. and Littlite are covered for 5 years by their manufacturer's respective warranties – processed through FMS Solutions, LLC.

This warranty extends only to the FMS accessory and does not include: damage caused by accidents or abuse; incorrect installation; labor to diagnose, remove, repair or replace; any consequential damage or loss of use. Any FMS Accessory suspected of being defective should be returned to FMS Solutions, LLC along with a copy of proof of purchase and warranty request form available on the FMS website. FMS Solutions, LLC will determine if the FMS accessory has a warrantable defect, and if so, will repair or replace the item and return it to the sender without charge. The decision to repair or replace said item is solely the prerogative of FMS Solutions, LLC.

Note: Police motors can operate in a very rough environment since police motors are a "tool". They can be dropped, knocked over, etc. without concern as the officer has a job to do and determines what is necessary at any given moment. Warranty is for defects in materials or workmanship. Therefore, the ability of an item to become broken or damaged does not mean it is warranty ... it just means it is broken or damaged and in need of repair or replacement. No manufacturer warrants their products to be indestructible. Any questions should be directed to info@fmsaccessories.com.