

ESi Installation Notes

These (temporary) **ESi Installation Notes** are supplementary to the **eDrive VSi Installation Guide** supplied with your ESi kit. The VSi guide provides part lists and instructions that are still largely applicable to ESi installations with eDriveXC and eDriveXD, but there are differences. These installation notes describe those differences. (Unless otherwise stated, page numbers refer to pages in the VSi installation guide.)

⚠ WARNING:

Heed all relevant warnings in the eDrive VSi Installation Guide just as they are provided.

A. Table Differences



Note: In addition to the specific detail provided below you can disregard all references to eDriveTC.

1. **Kit Contents - eDriveTC and eDriveX** (starts page 2): While none of the items in this list are specific to only eDriveX or eDriveTC, not all of them are applicable to your eDriveXC/XD installation. See **B. Kit Item Differences** below.
2. **Kit Contents - eDriveTC Only** (usually page 5): The listed items are neither supplied for nor applicable to your eDriveXC/XD installation. See also **C. Installation Procedures** (on page 2 of this document—item 2).
3. **Kit Contents - eDriveX Only** (usually page 6): All the items will be similar to those supplied with your ESi eDriveXC/XD kit.

B. Kit Item Differences

*Note: (i) Where alternative, equivalent parts are supplied (for example shaft adapter and shaft adapter screws), you **must use** the supplied alternatives (failure to use the alternative shaft adapter screws [see red below], for example, will damage the wheel assembly).*

(ii) How you fit the supplied anti-rotation brackets to the base of the ESi hub—relative to the comms port on the hub—dictates the position of the comms port relative to the steering column once installed (and impacts cabling and visibility in the work area). Follow the VSi instructions on installing anti-rotation components.

Part Number (V/ESi)	Description		Comment
750-8001-000 (VSi) 806-2019-000 (ESi)	VSi steering wheel assembly: base has six holes for anti-rotation (a/r) brackets		ESi steering wheel assembly: base has four holes for anti-rotation (a/r) brackets 
604-nnnn-000 (ESi)	Shaft adapter		Shorter, install as for VSi—see Note (i) above
675-1300-000 (ESi)	Shaft adapter screws, M5 x 8 flat head socket cap		Shorter (8 mm, not 10 mm*), use as for VSi, see Note (i) above. (*But see E, page 2 - use <i>one</i> 10 mm.)
640-nnnn-000 (ESi)	Primary a/r brackets (attach to base of wheel assembly)		Will be similar, install as for VSi. The spacing of the wheel's screw holes dictates how/where a/r brackets are fitted—see Note (ii) above.
640-nnnn-000 (ESi) 675-nnnn-000 (ESi)	Other a/r components (for example, pillow block, 'U' bolt/saddle clamps)		Will be the same, install as for VSi
054-0202 (ESi)	Cable		Replaces VSi's 750-8003 and 750-8002
710-1029-000 710-1030-000 710-1031-000	Assembly, telescoping cap, ESi Assembly, cap, ESi Kit, horn button, cap (CATMTT-AB/C only)		Install as for VSi New version Includes new horn wiring and screw - see E, page 2
710-1032-000	Kit, cover, steering wheel, ESi		Install on all makes and models
601-1278-000 601-1279-000	Actuator plates (two pairs, different sizes) (Use size required)		Larger (both pairs), install as for VSi—see Note (i) above
N/A	Junction box mounting bracket, bus terminator, clip		Not used in an ESi installation

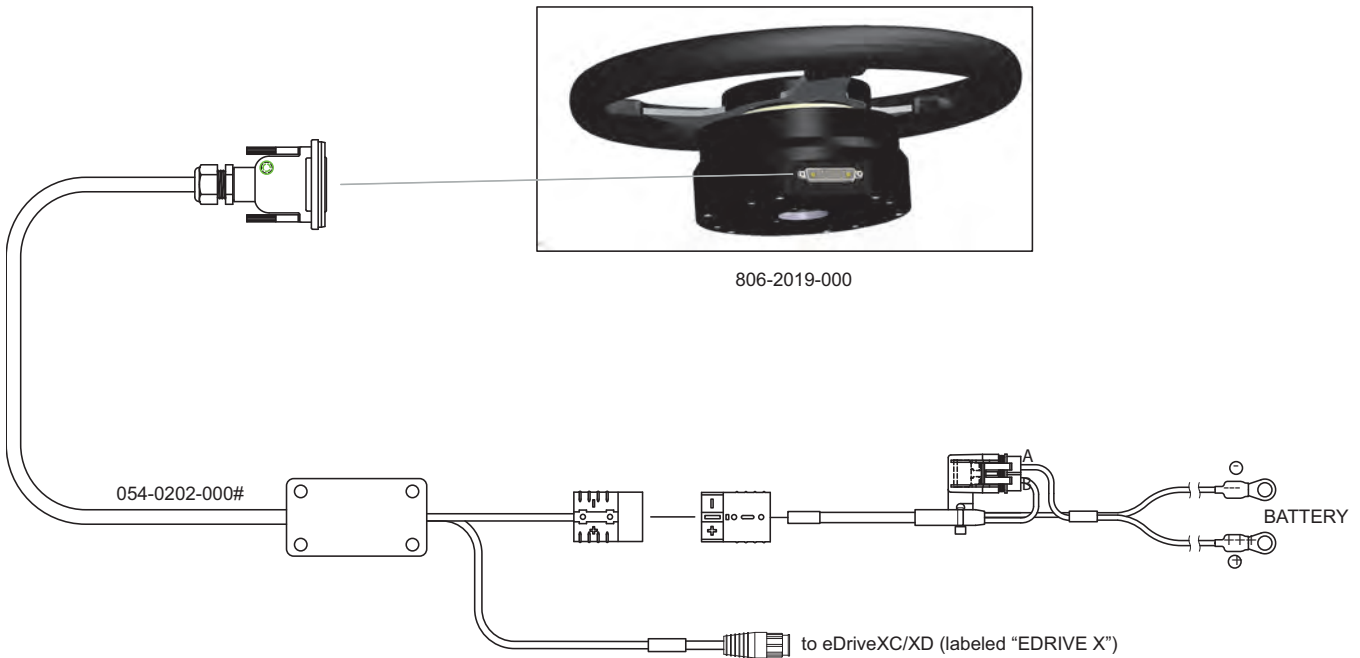
C. Installation Procedures

1. **ESi Installation Procedure:** You can follow much of the **VSi Installation Procedure** when installing your ESi but note that there is no junction box (see at right). You can, therefore, disregard the **Install and connect the electric steer junction box** steps. See **D. ESi Connections** below for alternative cable connections.
2. **Installation - Electronic Control Unit (ECU) - eDriveTC:** Not applicable, disregard this section.
3. **Installation - Electronic Control Unit (ECU) - eDriveX:** The instructions in this section of the **VSi Installation Guide** are unchanged for ESi; follow the detailed steps to install your eDriveXC/XD.

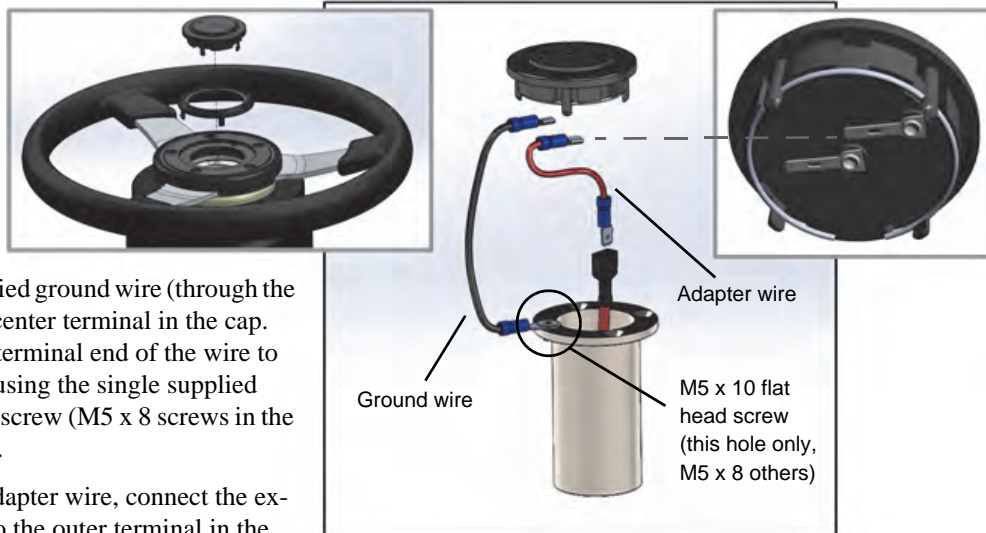


No junction box

D. ESi Connections



E. Horn Assembly (applicable to CATMTT-AB and CATMTT-C only)



Connect the supplied ground wire (through the horn ring) to the center terminal in the cap. Connect the ring terminal end of the wire to the shaft adapter using the single supplied M5 x 10 flat head screw (M5 x 8 screws in the three other holes).

Using the short adapter wire, connect the existing horn wire to the outer terminal in the cap.

Clip the horn ring and the horn button into place.