



Installation Guide

Installation Kit: 911-8109-10



ISO connector on rear of machine required

*See note on Page 11 regarding minimum tractor software requirements

	<u>Challenger</u>		<u>Fendt</u>
MT735*	MT765C	MT855B*	1149MT
MT745*	MT765D	MT855C	1154MT
MT745B*	MT765E	MT855E	1159MT
MT745C	MT775E	MT865	1165MT
MT745D	MT835*	MT865B	
MT755*	MT835B*	MT865C	
MT755B*	MT835C	MT865E	
MT755C	MT845*	MT875	
MT755D	MT845B*	MT875B	
MT755E	MT845C	MT875C	
MT765*	MT845E	MT875E	
MT765B*	MT855*		

Introduction

The procedures outlined in this guide provide the basic installation procedure for the eDriveM1 on the machines specified on the front cover of this guide. If you do not see your machine listed, contact customer support for further instruction. The kit components and corresponding install instructions are designated for each applicable machine make and model and may not be used on undesignated machine models.

Review Installation Kit Contents

Kit contents are outlined in the following pages of this installation guide. Read all applicable installation instructions for your machine's model and ensure that all required kit components are present before beginning the installation.

Read and Follow All Safety Messages

- Refer to the safety manual for the machine that the eDriveM1 is being installed on for operating age and precautions.
- Prior to installing and operating the eDriveM1, read and understand all safety precautions as outlined in this guide.
- Store this guide and all related safety information with related machine manuals for future reference.

Safety Information and Warnings*

- eDriveM1 is NOT designed to replace the machine's operator and is designed as a driving aid for use in precision agriculture applications.
- eDriveM1 is NOT intended for use on roadways and should remain disengaged at all times when traveling on roadways.
- eDriveM1 does NOT control the speed of the machine and a human operator is required to manually maintain a safe operating speed.
- eDriveM1 does NOT avoid obstacles. To prevent human, machine and property injury a human operator is required to operate the machine at all times.
- Do NOT allow anyone to operate without instructions.
- At all times the driver is fully responsible for the safe operation of the vehicle.

* The safety warnings contained in this installation guide are not meant to be an exhaustive list of potential hazards.

- To ensure peak performance, eDriveM1 should only be installed after a thorough machine inspection has been conducted. The contents of this kit and eDriveM1 are not intended to replace preventative and or needed maintenance. To avoid bodily and machine injury, follow the machine preparation checklist below:
 - ⇒ Inspect steering linkage: Machine should drive in a straight line without manual correction
 - ⇒ Turn off machine and power-off all electronic gauges, monitors and external devices when installing or performing maintenance on the eDriveM1
 - \Rightarrow Park machine on a clean and level surface
 - \Rightarrow Lower all implements and headers to the ground
 - \Rightarrow Apply the parking break and chock wheels
 - ⇒ Inspect any drilling and/or cutting sites to ensure no electrical wiring damage will be incurred

Cabling Diagram



Figure 1

Required items for ECU install listed below



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	400-5170-10	CONNECTOR COVER
2	1	640-0209-10	BRKT, ECU, EDM1, CHALLENGER MT
3	2	675-1362-10	SCR,FLANGE,HEX,M6X1X35,ZP
4	1	675-1371-10	SCR, SHCS, NO.10-24 X 1.5, SS



Remove the 2 bolts circled in red from the right side of the seat. These bolts will be used to mount the ecu bracket (item 2) to the seat frame.



Figure 3

Mount the ecu bracket (item 2) to the seat frame using the bolts removed during the previous step.



Figure 4

Attach the eDriveM1 steering ECU to the bracket using the m6 bolts (item 3)

ECU shown in Figure 5 is installed with logo facing up and connector pointing rear. This orientation will need entered into the display for the first calibration step.



Figure 5

Remove the access panel shown in figure 6 pictured to the right to gain access to the harness installation location.



Figure 6

Locate the 4 pin DT CANBUS connection. It will be towards the back of the compartment near the floor. On some models you may have to lift up the corner of the floor mat to locate the connection. Figure 8 shows a close up view of the 4 pin DT CANBUS connection



Figure 7



Figure 8

Split apart the CANBUS connection and plug the 051-0500-10 harness into the connection.

Connect the rest of the harnesses as pictured in Figure 1 on Page 4.



Figure 9

On older machine models you will have to enable class 3 control through the Tractor Management Center (TMC).



Figure 10

Using the TMC selector knob, select the setup mode (M/E).



Figure 11

Use the TMC adjustment knob to select the P3 setup page. Once on P3 use the left and right arrows to select the Class 3 Enable Box. When the Class 3 box is highlighted used the TMC adjustment knob to highlight ENABLE. Press the Enter button to enable Class 3 Control.



Figure 12



Figure 13

Once Class 3 has been enabled the screen will show Class 3 control is Enabled. This screen will show up every time the tractor is started.

Use the TMC selector knob to select the Field mode

After selecting field mode press the Return and Right arrow buttons (highlighted in red Figure 13) at the same time to bring up the software versions page.



Figure 14

Verify that translator control software is 2479952-00 or later. If earlier version of software is installed then you will have to contact your local dealership to update translator software.

0.0 1005 мрн RPM	P N/4	98
	Hardware	Software
MIDS Graphics Display	2272490-07	2960775-00
Engine Control	2622878-01	2784773-00
Machine Main Module	1789090-03	2982098-00
Hitch Control	2160658.00	2560176-00
Implement Control		-
Translator Control	2019041-05	2833405-00
GPS Receiver		\smile



Initial Setup

When creating a new machine in your Maverix terminal, you will need to select "AGCO Track" for your machines valve type.

Troubleshooting & Diagnostics

If you are unable to autosteer the machine verify that the roading switch is in the unlocked position. See Figure 16 below.



Figure 16