

# Installation Guide

Installation Kit: 911-8112-10



- CLAAS OSI Ready Required
- 1403667.0 unlock required from CLAAS Dealer
- 2626878.1 cable required from CLAAS Dealer
- Requires CLAAS Maverix unlock (included with this kit)

## CLAAS

Arion 410	Arion 550	Axion 840
Arion 420	Arion 610	Axion 850
Arion 430	Arion 630	Axion 860
Arion 440	Arion 650	Axion 870
Arion 450	Arion 660	Axion 880
Arion 460	Axion 800	Axion 920
Arion 470	Axion 810	Axion 930
Arion 510	Axion 820	Axion 940
Arion 530	Axion 830	Axion 950
		Axion 960

# 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.

# Introduction

---

## **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
  - ⇒ Park machine on a clean and level surface
  - ⇒ Lower all implements and headers to the ground
  - ⇒ 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

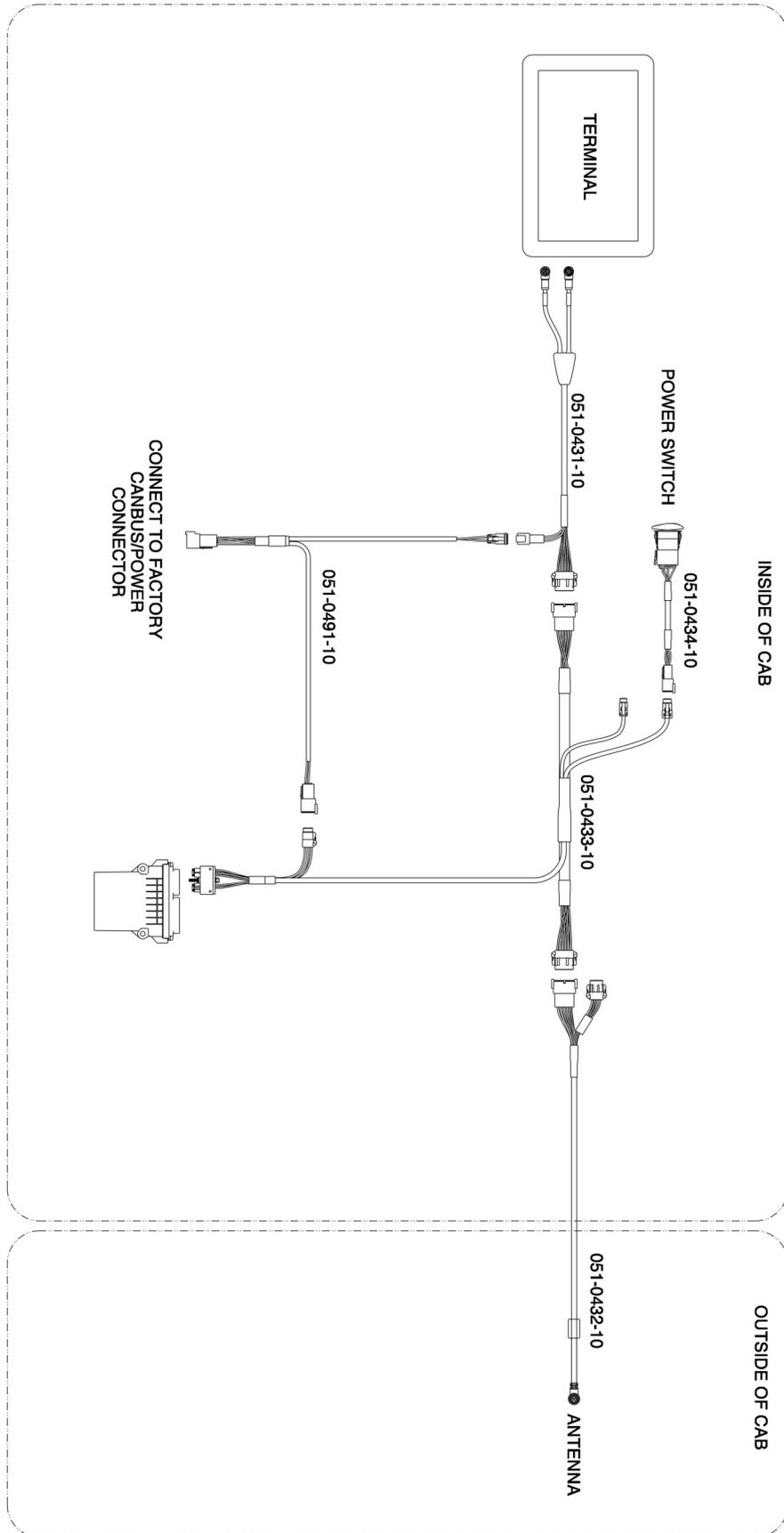
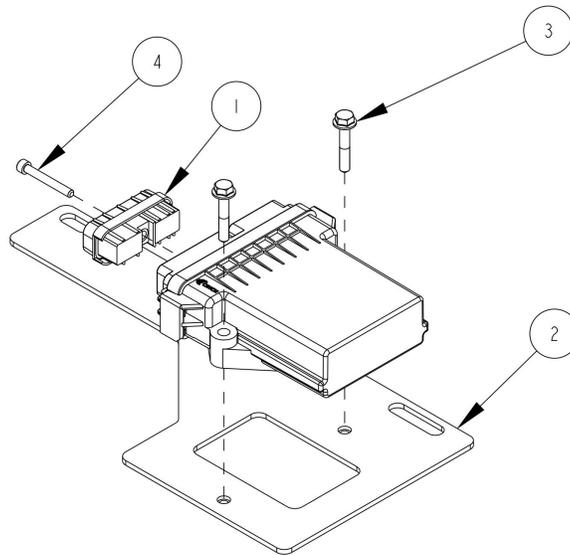


Figure 1

# ECU Installation

Required items for ECU install listed below



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	400-5170-10	CONNECTOR COVER
2	1	640-0210-10	BRKT, ECU, EDM1, AGCO MFWD, CLAAS AXION
3	2	675-1362-10	SCR, FLANGE, HEX, M6X1X35, ZP
4	1	675-1371-10	SCR, SHCS, NO.10-24 X 1.5, SS

Figure 2

Remove the 2 nuts circled in red from the ride side of the seat. These nuts will be used in the next step.



Figure 3

# ECU Installation

---

Use the nuts saved from the previous step to attach the ecu bracket (item 2) to the base of the seat.

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

ECU shown in Figure 4 is installed with logo facing up and connector pointing rear. This orientation will need entered into the display for the first calibration step.



Figure 4

# CANBUS Harness Installation

Locate the CLAAS interface cable  
**2626878.1**

If cable is missing then this will have to be sourced from your CLAAS dealer.



Figure 5

Connect the 051-0491-10 cable to the CLAAS interface cable. Connect the remaining ends of the 051-0491-10 cable as shown in Figure 1 on page 4.

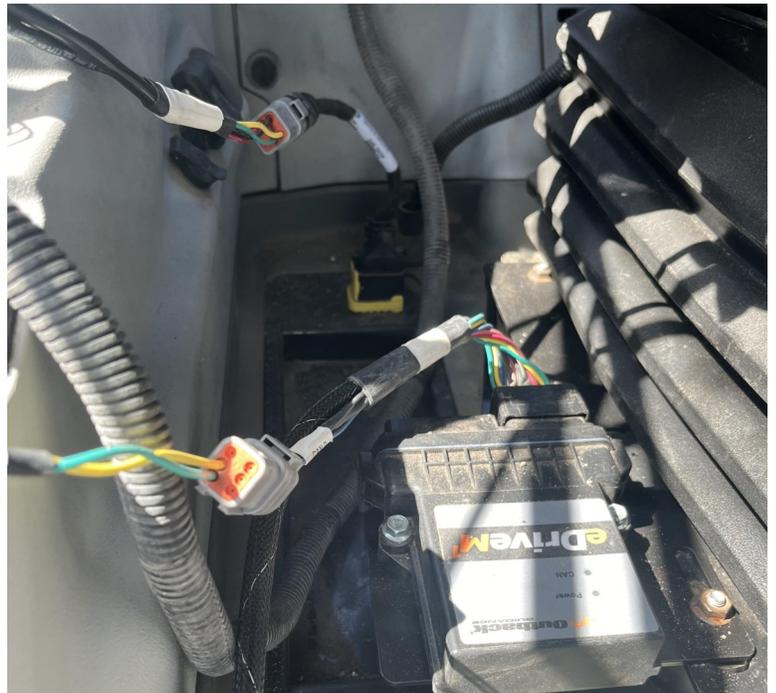


Figure 6

# Roading switch

Locate the roading switch in the back right corner of the cab in the bank of switches circled in Figure 7.



Figure 7

The roading switch is disabled when it is lit up green in the down position. Autosteering is not possible while roading switch is in the up position.



Figure 8

## Remote engage button

---

Autosteer system engagement is only possible using the remote engage button on the CLAAS C-MOTION Multi-function Lever. Using the engage button on the Outback terminal will result in an error message.



Figure 9

## Initial Setup

---

When creating a new machine in your Maverix terminal, you will need to select “CLASS OSI” for your machines valve type.

## Troubleshooting & Diagnostics

Autosteer system must be unlocked by a CLAAS dealer using a manufacturer specific unlock. The autosteering valve must be calibrated by a CLAAS dealer prior to using the autosteering system. Poor autosteering performance can occur if a proper valve calibration hasn't been done.