



**HEXAGON**

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# **HxGN AgrOn Auto Steering Ready AFM ECUv4**

**New Product Release - 010/2022**

2nd March 2023 - Rev. 3

## Introduction

Aiming to release HxGN AgrOn Electric Steering Ready after-marketing structures that use the ECU version 4.x. (07875 - HxGN AgrOn ECU Piloto Automatico Hidraulico v4.x).

The ECUv4 will be used in place of the ECU 04140 - HxGN AgrOn ECU Piloto Automatico Hidraulico v3.3.X and, for that, new structures were created based on the current structures for Auto Steering Ready.

Current Structure	New Structure	Description
05523	07888	HxGN AgrOn Piloto Automatico Steering Ready sCon ECUv4
05524	07889	HxGN AgrOn Piloto Automatico Steering Ready EMEA ECUv4
05553	07890	HxGN AgrOn Piloto Automatico Steering Ready HDv9 ECUv4
05554	07891	HxGN AgrOn Piloto Automatico Steering Ready DTv4 ECUv4
05560	07892	HxGN AgrOn Piloto Automatico Steering Ready CPCv9 ECUv4

Both structures can be marketed, depending on the ECU available. The difference between the structures is the ECU (version 3 or 4).

Some ECUv3 cables are not compatible with the ECUv4 due to the differences in the pinout of the ECUs. Those differences will be detailed following.

## Pinout and Cables

The pinout of the ECUv3 and ECUv4 are different in some pins, and for this reason, new cables were created to be used on the ECUv4 structures.

The pinout of CAN and External Power supply (Connector A) are the same in both ECU. However, on the ECUv3 some harnesses don't have a short-circuit between pins 1 and 3, and it is required on the ECUv4. Also, if other pins are used, it is necessary to check the compatibility.

Connector A			
Pin	ECUv3	ECUv4	Compatibility
1	V BAT-	V BAT-	✓
2	CAN HIGH	CAN HIGH	✓
3 <sup>1</sup>	V AUX-	V AUX-	✓
4	GND	CAN 2 HIGH	✗
5	Analog Input 2	Analog Input 2	✓
6	GND	GND	✓
7	5/12V OUT	5/12V OUT	✓
8	Analog Input 1	Analog Input 1	✓
9	5/12V OUT	CAN 2 LOW	✗
10	V AUX +	V_AUX+	✓
11	CAN LOW	CAN LOW	✓
12	V BAT +	V BAT +	✓

**The connector B is not used on the Auto Steering Ready AFM**

**The cable created for ECUv4 will be compatible with the ECUv3, but otherwise may not be compatible (needs to be evaluated).**

Below is the list of the cables on each new structure (only the cable connected to ECUv4).

Structure	ECUv4 Connector	Cable code	Description	New <sup>2</sup>
07888	Connector A	08047	Chicote Adaptador DTM06-12SA CAN + ShortCircuit ECUv4	✓
07889				
07890				
07891				
07892				

## Installation

The installation is the same for both versions.

## Software compatibility

The software of the ECUv3 and ECUv4 are different. The ECU bootloader and Ti firmware update manages this update automatically.

**Creation date:** 05/12/2022

**Revision date:** 02/03/2023

For more information, contact your Hexagon Agriculture sales or technical support.

<sup>1</sup> This pin (3) must be short-circuited on pin (1) when there is no external power supply.

<sup>2</sup> New cable meaning the cable was created to use with ECUv4. If the cable is not new, meaning the cable is the same used with ECUv3.