

Product News

Product MHTM™ MicroDrive Motor

From: Chris Webb / Product Specialist

Date: December 1st, 2021

Subject: **Introducing the MHP2 motor series**

To our colleagues and customers,

This note is to inform you of an upcoming change starting in Q1 2022 to the motor within our Magnetic AutoControl products.

THE REASON

During the growth in the MHTM™ MicroDrive product line between 2011 and 2017 we experienced growing supply chain issues related to the MHP motor, so we kicked off a project to redevelop and insource the MHP motor. It is worth reiterating, that this decision was made so that we could take control over this key component to ensure supply would meet our demands.

BENEFITS

This new strategy provides us with total control of the product development process as well as the production capacity to support our needs for the long term. This design control allowed us to make structural improvements to the motor cover, improve rigidity and improve motor firmware. Some of the changes introduced with the first firmware release include:

- Ability to reduce acceleration, by up to 50%.
- Ability to reduce speed, by up to an additional 50%.
- Ability to reduce deceleration, by up to 80%.
- Ability to temporarily deactivate the motor for testing.

This new motor maintains or improves the performance of its predecessor and passed all our demanding endurance tests for our products. A 10 million cycle endurance test may seem like a high standard, but this test is mandatory to ensure the level of quality that is expected from a Magnetic AutoControl product. The new MHP2 motor has been added to our UL325 certification (as well as being certified to the same performance Level D according to EN 13849 by German TUV as the current product).

CHANGEOVER

The new MHP2 motor has also been developed as a direct replacement for the current motors so nothing will change for you regarding the fit, functionality, performance, life expectancy, and quality of the barrier. That means that we can make changeover between the current MHP motors to the new MHP2 motors when we exhaust supply of the old version.

- The MHTM™ MicroDrive received the new MHP2 motor in Europe August 2020 and we are now ready for the North and South American market launch!
- There is no change to the motor's mounting flange or overall length.

- We will update and test each barrier before it ships providing you with a barrier that is ready to be installed and 100% compatible with any previously installed barriers.
- An MHP2 motor can be used to replace an MHP motor in the field. It must be noted that when a new motor is exchanged for an old motor in an existing barrier the use of an SM01 is required.
 - The new motor will not communicate to the controller until the firmware has been updated as we have made some changes and improvements.
 - Both new and old firmware are delivered on every SM01 shipped from our facility.
 - More information on necessary steps to change the motor can be found [HERE](#).

Next steps

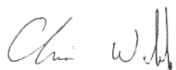
- We estimate that in early in the Q1 of 2022 we will start to migrate the following products to the new motor: Access, Access Pro, Access Pro-L, Access Pro-H, Parking, Parking Pro, Toll, Toll Pro, and Traffic.
- A motor exchange guide for spare parts can be found [HERE](#)
- The barrier part numbers will not change. We will track all new motors through each barrier and motor's unique serial numbers.
- Additional new part numbers have been created for the spare motors.

Old Motor Part Number	New Motor Spare Part Number
MHP-144A-E100	MHP-244A-E100
MHP-144A-E101	MHP-244A-E100
MHP-145A-E100	MHP-245A-E100

For any further questions please do not hesitate to get in touch with your contacts, myself

or info@magnetic-usa.com.

With best regards,



Chris Webb
Sr. Product Specialist