

Technical Bulletin

Vanguard 3501

SUBJECT: Vanguard 3501 Component Changes

DATE: 07/2024

OPERATOR: Vanguard 3501

REQUIRED ACTION: None

FILENAME: Mercury310update_H7_02.bin

Notes

Please reference the table below for information on component changes between the 2 models. Components not listed below are the same across both models.

Component	Vanguard 3501 w/ 1050US Controller	Vanguard 3501 w/ Mercury 310 Controller
Motor Only	73090005	MX5420
Chain	72520000	MX5622
Sprocket	50B14	MX5624
Terminal Block	TB-6	TB-8

I currently have...	I need to replace...	Order this...
Vanguard 3501 with 1050US Controller	Controller	1050US (1050 Controller)
Vanguard 3501 with 1050US Controller	Motor	MX5421 ** (Motor Retrofit Kit)
Vanguard 3501 with Mercury 310 Controller	Controller	MX4920 (Mercury 310 Controller)
Vanguard 3501 with Mercury 310 Controller	Motor	MX5420 (Motor)

**MX5421 Motor Retrofit Kit includes MX5420, MX5622, MX5624 and TB-8

MX5421 Motor Retrofit Kit:

This retrofit kit includes the necessary components to upgrade an existing unit to the Mercury 310 board, but is not a requirement. The new motor (Part: MX5420) can be wired to the 1050US controller, but the (2) motor encoder wires will not be connected to the terminal block. While the 1050US controller does not have the ability to utilize the added motor encoder, the unit will otherwise perform the same.

Identifying Units with the new motor for use with Mercury 310:

Mercury 310 compatible units will be identified with the following 2" x 5" label above the model identification section on the operator box:

FOR USE WITH THE
Mercury 310
Controller