



TRANSAXLE/CONTROL BOARD RETROFIT KIT (120V Model)

INSTALLATION INSTRUCTIONS:

(Installation Time: 2 hours)

TOOLS REQUIRED: 5/16" Nut Driver, 7/16" & 17mm Socket Wrench, Needle Nose Pliers, Philips Head Screwdriver, Small Flat Head Screwdriver, Wire Cutters, Wire Strippers, Crimper Tool.

FOR SAFETY: Before installing kit unplug power cord from wall outlet.

KIT CONTENTS

P/N.	Description	Qty.
612843	TRANSAXLE, 120V MOTOR, 72 RPM	1
612856	ADAPTER, WIRE TRANSAXLE	1
612857	CONTROL BOARD, 120V PWM	1
612846	WIRE ASSEMBLIES (SET OF 7)	1
140501	NUT 1/4-20 NYLK SS	8
582510	CIRCUIT BREAKER, 4.5A	1
130040	WIRE TIE 6"X.12 NY	4
612255000	SCREW, M10X35MM	1

Replacing the Control Board:

1. Turn machine off and unplug power cord.
2. Remove the rear console panel (4 screws). Do not disconnect the wiring from the panel. Temporarily refasten the panel to the console as shown. This will prevent weight strain on the panel wires during the kit installation (Figure 1).

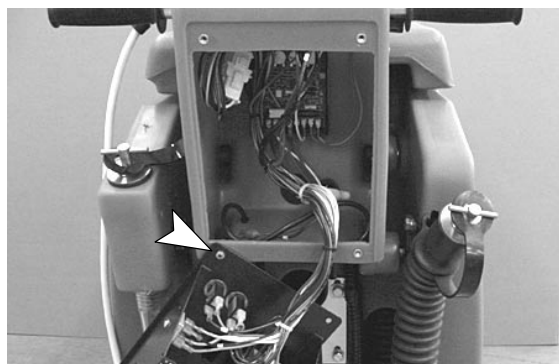


FIG. 1

3. Disconnect the 7 wires that are connected to the bottom of the control board (Figure 2).

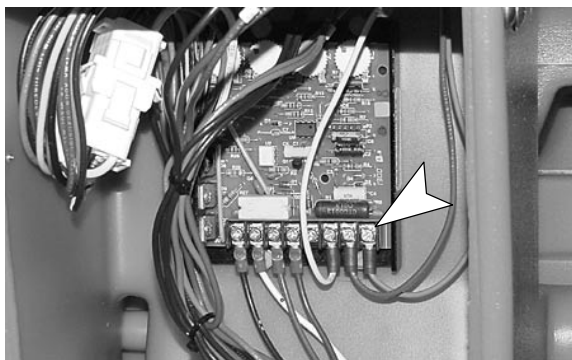


Fig. 2

4. Cut off the 7 wire terminals (Figure 3). Make cuts close to terminals. Then strip the wires about 1/4" (6.5mm).

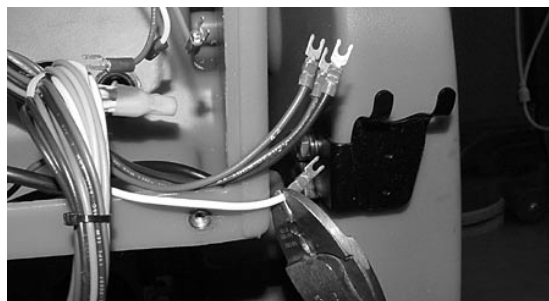


Fig. 3

5. Remove the old control board from the control console, 5/16" nut driver required. Four nylon nuts secure the control board to the console (Figure 4).

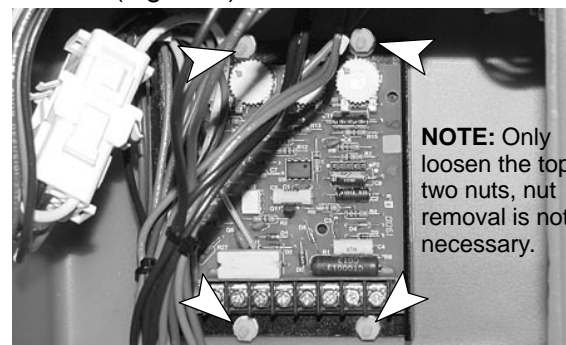


Fig. 4

6. Mount the new control board to the control console as shown. Use existing nylon nuts and screws to mount the board (Figure 5).

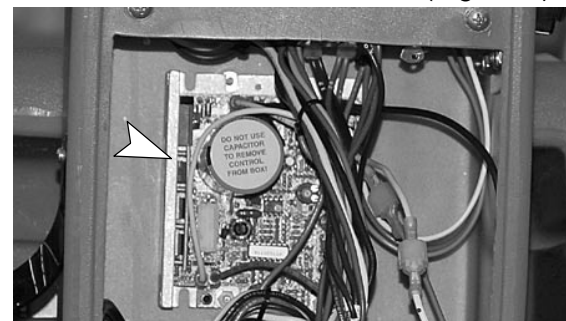


Fig. 5

TRANSAXLE/CONTROL BOARD RETROFIT KIT

INSTALLATION INSTRUCTIONS – Continued

7. Connect the 7 wires, supplied with kit, to the control board terminals as shown (Figure 6). The wires are equipped with terminals and butt-splices.
8. Using a crimper tool, connect the 7 control board wires to the 7 wires you cut and stripped, match up wire colors/numbers (Figure 6).

NOTE: Connect the WHITE and RED wires that are not numbered to the WHITE and RED wires that come down from the speed control potentiometer.

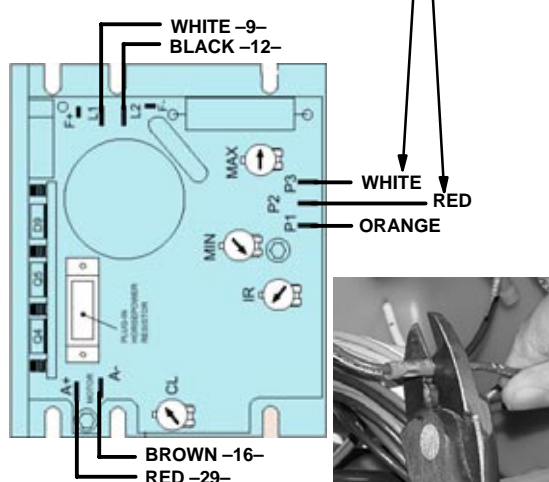


Fig. 6

9. Remove the 2.5 Amp. Circuit Breaker from the panel and replace it with the 4.5 Amp. Circuit Breaker supplied with kit (Figure 7).



Fig. 7

10. Replace the rear console panel.

Replacing the Old Transaxle:

1. Drain all water from machine and carefully turn machine upside down to access the drive transaxle (Figure 8).

FOR SAFETY: Before installing kit unplug power cord from wall outlet.

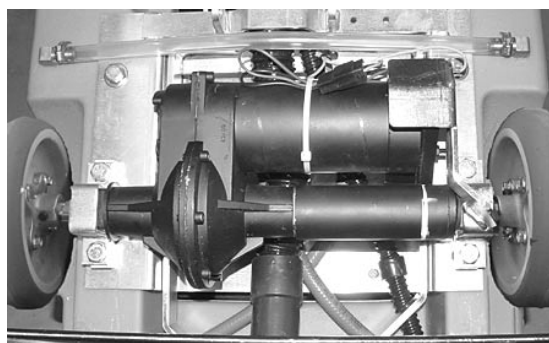


Fig. 8

2. Remove wheels from old transaxle, 7/16" socket wrench required (Figure 9).



Fig. 9

3. Carefully cut the wire-tie shown, then disconnect the wiring from the transaxle. Use a small flat head screwdriver to disengage the connector plug (Figure 10).

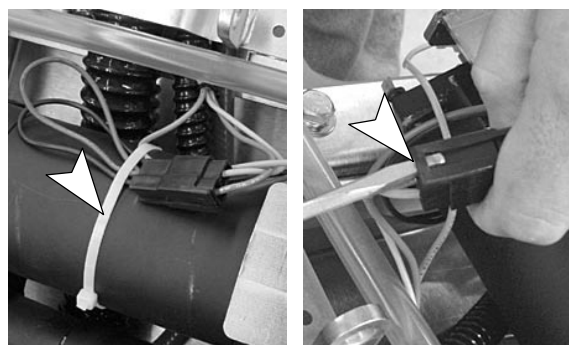


Fig. 10

TRANSAXLE/CONTROL BOARD RETROFIT KIT

INSTALLATION INSTRUCTIONS – Continued

4. Remove the transaxle brackets and remove the old transaxle from the machine, 17mm wrench required (Figure 11).

NOTE: When removing brackets, keep the bracket spacers from falling into the front cavity of the machine.

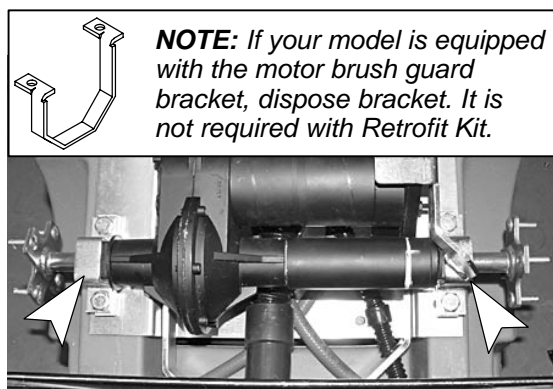


Fig. 11

5. Install the new transaxle on machine using existing hardware (Figure 12). If needed, use soapy water to slide brackets over rubber mounts. Before securing the transaxle brackets, make sure the transaxle is not resting on the pivot arm washer (Figure 13). Remount the old wheels on the transaxle.

NOTE: Use the shorter supplied M10x35mm screw at this location if your model was equipped with the U-shaped guard bracket.

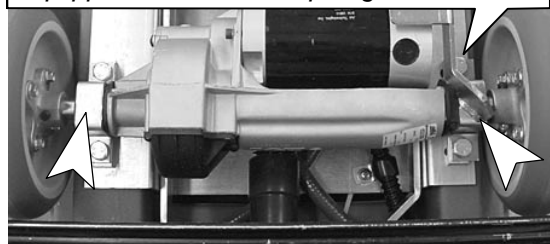


Fig. 12

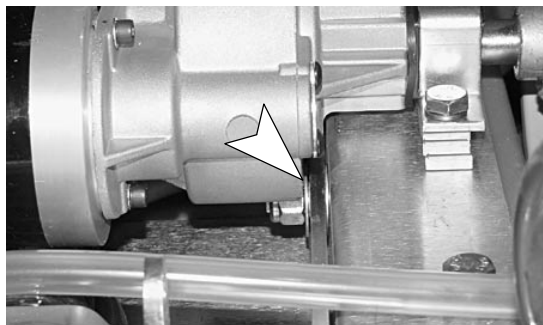


Fig. 13

6. Connect the transaxle wiring to the machine using the transaxle wire adapter supplied with the kit (Figure 14).

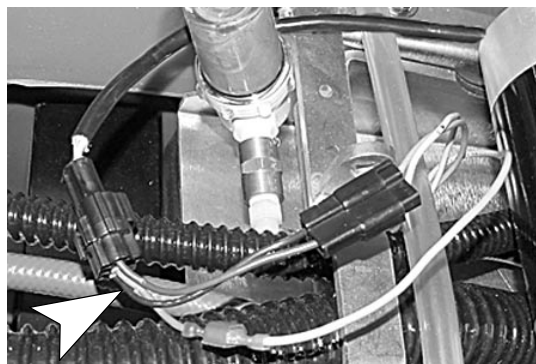


Fig. 14

7. Secure the transaxle wiring to the metal frame tabs using two wire-ties supplied with kit (Figure 15).

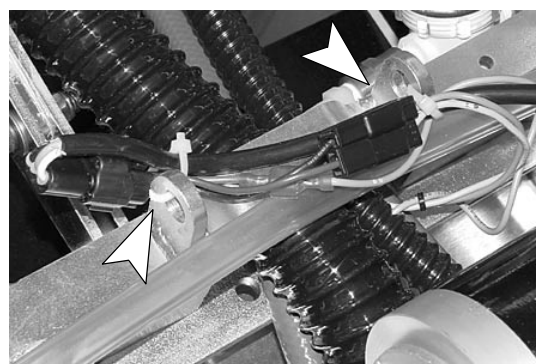


Fig. 15

8. Carefully turn machine to the upright position.
9. Test the machine for proper operation. Turn the speed control knob to the slowest setting and rotate the control grips completely forward. The machine should begin to move slowly at a maintained speed. With the grips still rotated completely forward, gradually turn the speed control knob to the maximum speed. The machine should begin to accelerate to the maximum speed.
10. If your machine does not test properly, double check the board connections. If the problem persists, consult an Authorized Service Technician.