

**Light Load Fixed Speed Gearmotors  
Models: 62M015PL411FN and 62M036PL411FN  
and Light Load Replacement Motor  
Model: 62MPL411FN**



## Introduction

Dorner Light Load Fixed Speed Gearmotors, 62M015PL411FN and 62M036PL411FN, and Light Load Replacement Motor, 62MPL411FN, shipped from December 15, 1998 to February 13, 2001 contain a thermal overload. If these motors are overloaded, the thermal overload will open and the motor will stop. Once cooled, the motor will start on its own. Please follow the enclosed instructions to disable the thermal overload. The motor will then be protected by its line fuse, which will not automatically reset if tripped.

## Instructions

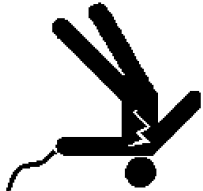
1. Install the wiring harness and fuse as detailed on pages 2 through 5 of this document.
2. Complete the form on the back page of this document. Fax this form to 1-800-369-2440.
3. If any questions arise while performing this service, call Dorner Service Manager at 1-800-397-8664.



**In appreciation for your efforts, the warranty for all Gearmotors serviced will be extended for 1 year from the date the service was performed.**

# Installation

## Required Tools

- D Pliers (2x)
- D Wire Cutter
- D Flat-blade screwdriver

	 <h3>DANGER</h3>
	<p>Hazardous voltage will cause severe injury or death.</p> <p><b>UNPLUG MOTOR CORD FROM OUTLET BEFORE WIRING.</b></p>

	 <h3>WARNING</h3>
	<p>Exposed moving parts can cause severe injury.</p> <p><b>UNPLUG MOTOR CORD FROM OUTLET BEFORE REMOVING GUARDS OR PERFORMING MAINTENANCE.</b></p>

Installation Component List	
A	Wiring Harness
B	Wire nut
C	Fuse (1/2 Amp.)

1. Gather components (Figure 1).

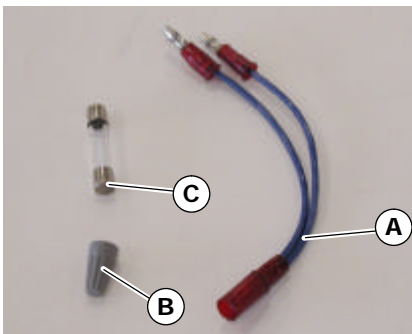


Figure 1

**NOTE:** For your convenience, Dorner has included two sets of male and female wire terminals (Figure 2). **These terminals will only be required if damage is done to existing terminals while performing service, resulting in the need to install new terminals.** Call Dorner Service manager at 1-800-397-8664 ext. 1315 with any questions regarding installation of these replacement terminals.



Figure 2

2. Locate gearmotor. Gearmotors will be found on Side Mount Packages (Figure 3), Top Mount Packages (Figure 4) or Bottom Mount Packages (Figure 5).



Figure 3



Figure 4



Figure 5

**NOTE:** The following steps show the installation being performed on a motor without mount package for ease of clarity only. All steps can be performed without disassembly of gearmotor from mount package.

3. Unplug motor cord (D of Figure 6) from electrical outlet.



Figure 6

4. Remove two (2) cover screws (E of Figure 7) and remove cover (F).

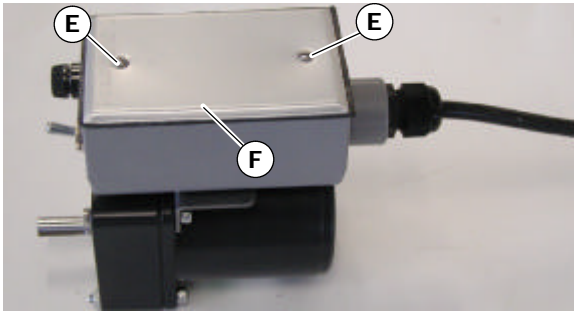


Figure 7

5. Locate black wire (K of Figure 8) connected to red wire (J).

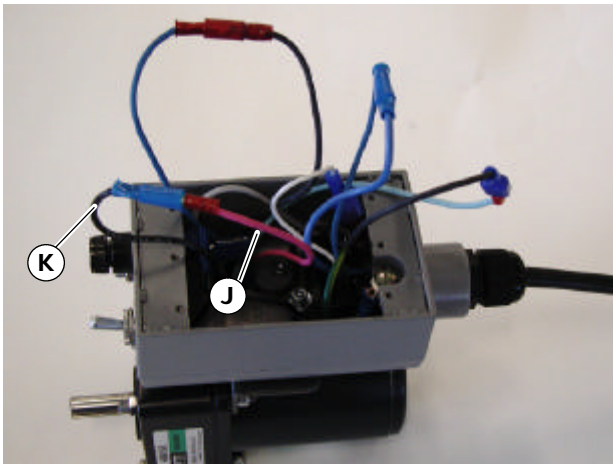


Figure 8

**IMPORTANT: To unplug wires, use pliers to grip terminal leads (as in Figure 9). Do not pull wires.**

6. Unplug red wire (J of Figure 9) from black wire (K).

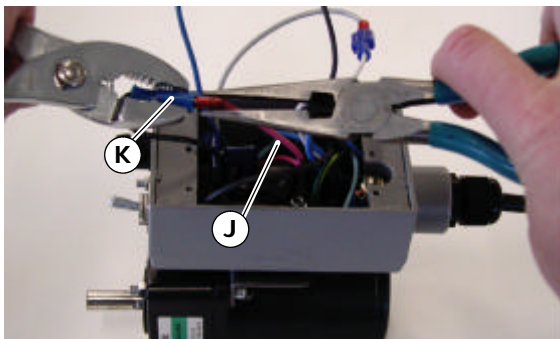


Figure 9

7. Cut red lead (J of Figure 10).

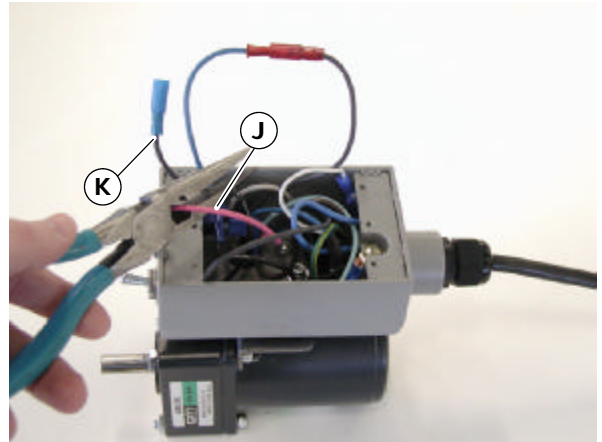


Figure 10

8. Turn wire nut (B of Figure 11) clockwise onto end of red wire (J).

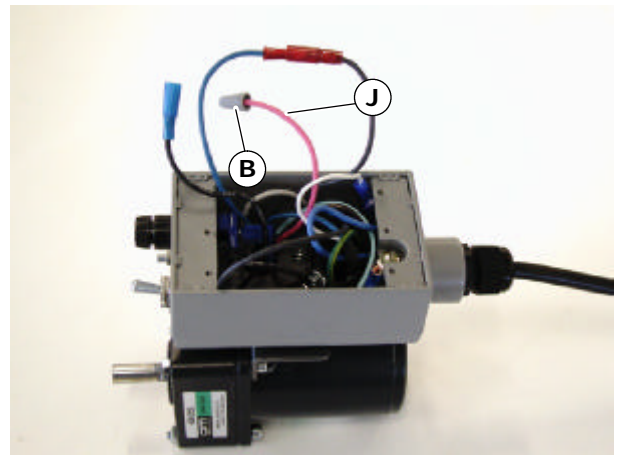


Figure 11

9. Locate motor grommet (L of Figure 12).

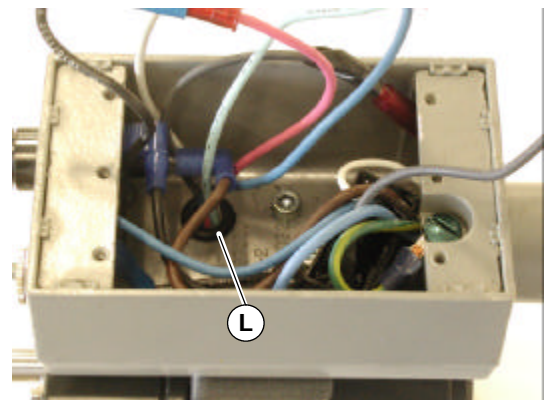


Figure 12

# Installation

**10.** Locate dark blue wire (H of Figure 13) passing through motor grommet (L). If the dark blue wire (H) is connected to the black wire (G), proceed to step 11a. If the dark blue wire (H of Figure 14) is connected to the gray wire (I), proceed to step 11b.

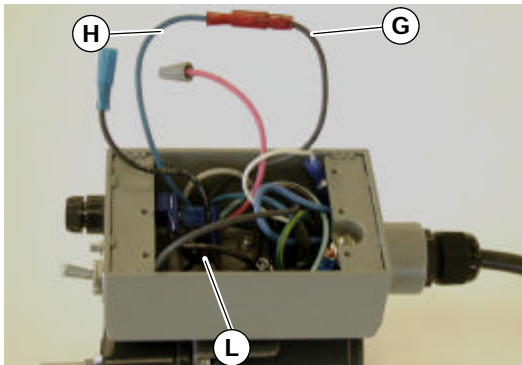


Figure 13

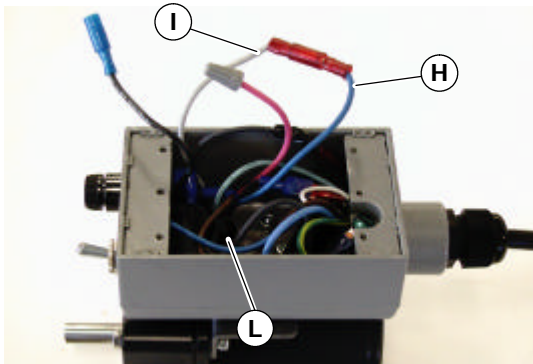


Figure 14

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**IMPORTANT:** To unplug wires, use pliers to grip terminal leads (as in Figure 9). Do not pull wires.

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**11a.** Unplug black wire (G of Figure 15) from dark blue wire (H).

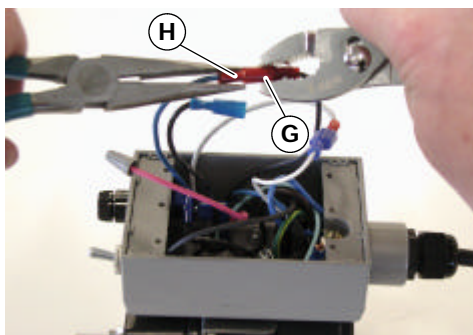


Figure 15

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**NOTE:** Wire terminals may require some force to fully insert. Take care to ensure that wire terminals are fully inserted.

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**12a.** Connect female end of wiring harness (A of Figure 17) to dark blue wire (H).

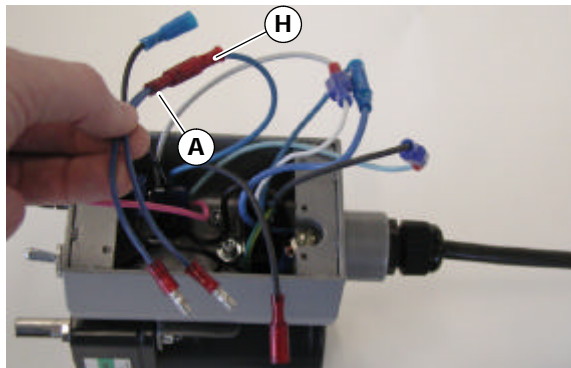


Figure 17

**13a.** Connect male ends of wiring harness (A of Figure 18) to black wire (G) and black wire (K) (from red). Proceed to step 14.

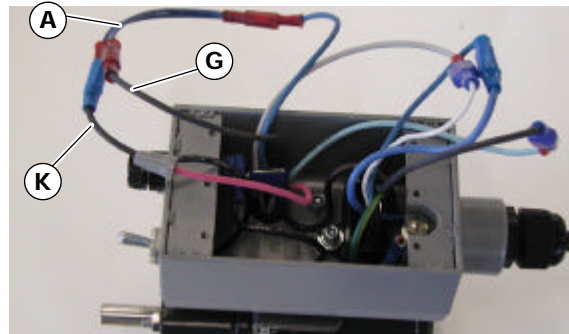


Figure 18

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**IMPORTANT:** To unplug wires, use pliers to grip terminal leads (as in Figure 9). Do not pull wires.

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**11b.** Unplug gray wire (I of Figure 16) from dark blue wire (H).

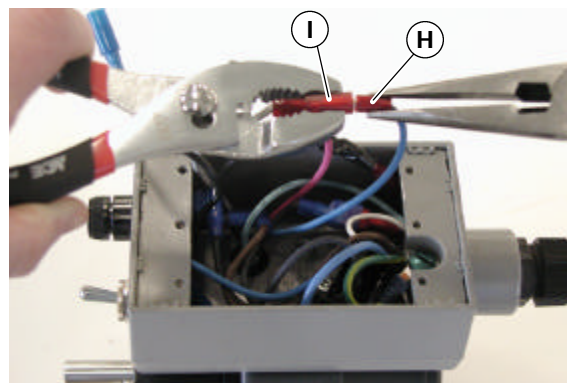


Figure 16



**NOTE:** Wire terminals may require some force to fully insert. Take care to ensure that wire terminals are fully inserted.

**12b.** Connect female end of wiring harness (A of Figure 19) to dark blue wire (H).

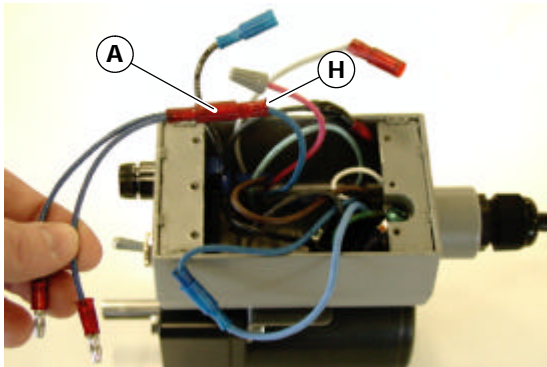


Figure 19

**13b.** Connect male ends of wiring harness (A of Figure 20) to gray wire (I) and black wire (K) (from red).

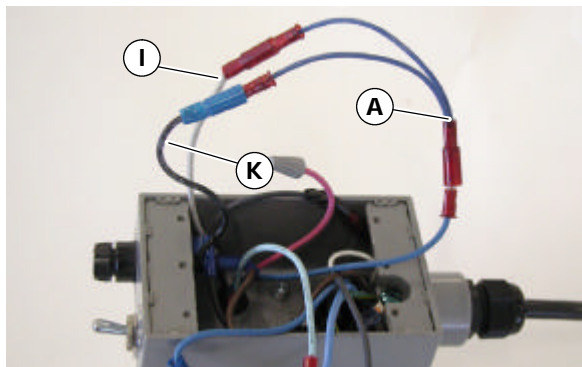


Figure 20

**14.** Insert wires into enclosure and attach cover (F of Figure 21) with screws (E) taking care not to pinch wires with cover.

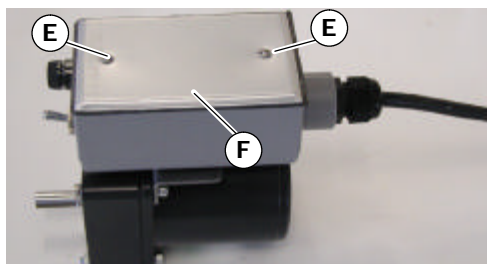


Figure 21

**15.** Push in and turn to open fuse holder cover (M of Figure 22).

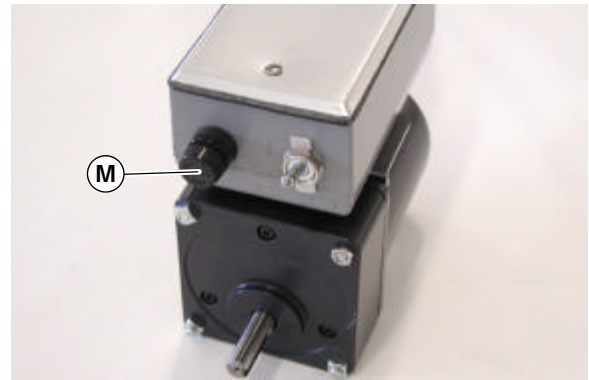


Figure 22

**16.** Remove and discard old fuse (N of Figure 23).

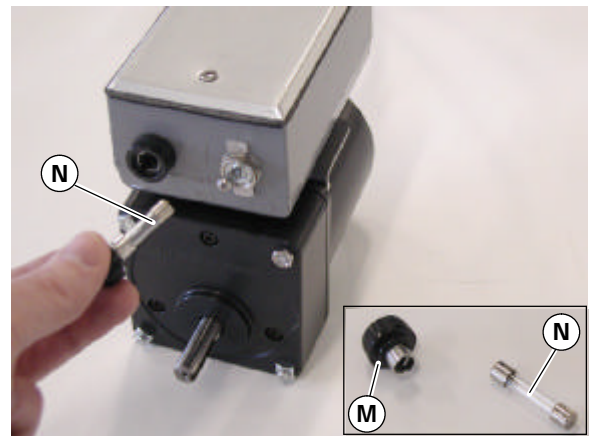


Figure 23

**17.** Insert new 1/2 Amp. fuse (C of Figure 24) and reinstall fuse holder cover (M).

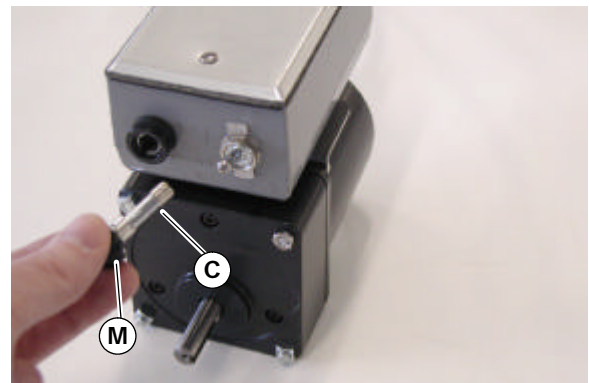


Figure 24

**18.** Please complete the form on the back page of this document and fax it back to Dorner at 1-800-369-2440. Thank you for your assistance.

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# Fax or Mail to Dorner

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Please complete this form and fax or mail to Dorner.

Dorner  
Attn.: Service Manager  
**Fax: 1-800-369-2440**  
**Phone: 1-800-397-8664 ext. 1315**

**Address: P.O. Box 20**  
**Hartland, WI 53029-0020**

Name: \_\_\_\_\_

Company Name: \_\_\_\_\_

Date service was performed: \_\_\_\_\_

Conveyor serial number for each Gearmotor serviced:  
(Located on tag attached to conveyor, Eg. C-746321-1)

_____	_____
_____	_____
_____	_____
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_____	_____

Please make a copy of this form for your records.

**Thank you for your assistance. In appreciation for your efforts, the warranty for all Gearmotors serviced will be extended for 1 year from the date the service was performed.**