



Controller Options for Pro Force Blowers

Product: Pro Force® Blowers

Feb. 22, 2013

Added Adapter Harness info

Affected Units:	Models:	Serial Numbers:
Pro Force Debris Blower	44538	280000101 – 311999999
Road-Ready Pro Force Debris Blower	44539	310999999 – 311999999
Pro Force Debris Blower	44542	310000101 - 311999999

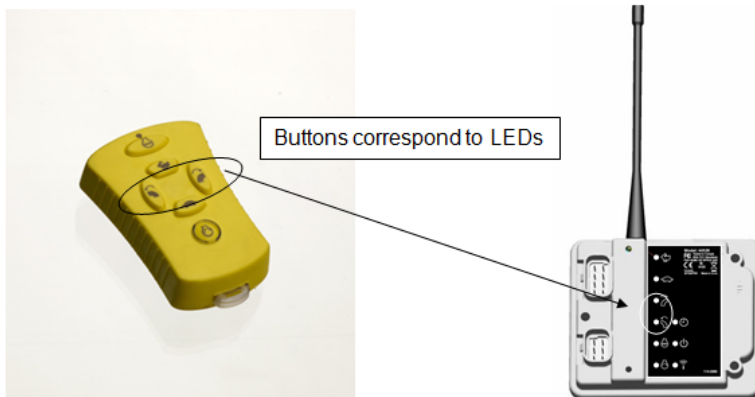
Situation: Suggestions for Troubleshooting Controller Interference/Controller Replacement Options

Pro Force Blowers using the wireless controller may exhibit a delayed/erratic nozzle response due to the stack-up of noise within the operating frequency of the controller. Controller interference (noise) is typically the combination of external interferences such as irrigation control signals, radio signals, communication structures, and other ambient noise sources. Toro has developed a new controller to reduce signal interference for 2012 production Pro Force Blowers. Should you experience delayed or erratic nozzle operation, there are Service Kit options available at your expense to improve nozzle function.

Before considering replacement options, review the following symptoms and diagnostic suggestions for testing Controller function.

Symptom 1: Receiver fails to respond to inputs from the hand-held Controller:

1. Verify the Batteries in the Hand Held Controller are good.
2. Verify the association between Hand Held Controller and the Receiver. Re-associate as needed (refer to Operator’s Manual).



3. Verify electrical function of system (system power, proper grounding, etc.) Refer to Operator’s Manual and Service Manual for electrical schematics.



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Symptom 2: LED light turns off immediately after Chute Button is released but Chute continues to rotate:

1. This indicates the issue is not electrical in nature. Check for proper belt tension and replace as necessary. A slipping belt can allow movement due to the force of the airflow or gravity rotating the chute.

Symptom 3: LED Light remains lit after chute button is released and chute continues to rotate:

1. Verify Remote Control Buttons are not sticking.
2. Possible Controller external interference.

Should the controller require replacement, we offer the following upgrade options:

Option #1: Replace the single channel wireless controller, receiver, and wiring assembly (old remote - image #1) with a multi-channel wireless Controller Replacement Kit (new remote - image #2), which improves signal reception between the controller and receiver when encountering signal interference. The Multi-channel controller kit is available for two model year groups:

- Controller Replacement Kit (121-2813) for 2008 – 2009 Blowers
- Controller Replacement Kit (121-2812) for 2010 – 2011 Blowers

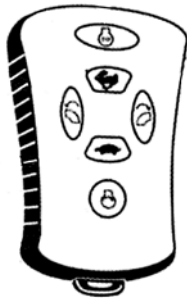


Image #1



Image #2

Option #2: Eliminate the Wireless Controller and install a wired controller (119-1100). This option may be a more cost-effective solution. (Image #3)



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Image #3

Upgrade kits are available as listed by the following part numbers:

- 121-2813** Controller Replacement Kit, 2008-09 Pro Force Debris Blower*
- 121-2812** Controller Replacement Kit, 2010-11 Pro Force Debris Blower
- 119-1100** Wired Controller Kit, Pro Force Debris Blower. 2008 & 2009 model
- 2010 & 11** Use Adapter harness 120-3970 with 119-1100
- 2012 & up** Use Adapter harness 121-6572 with 119-1100

***2008-09 units may require up to 5 seconds of cranking to “wake” the receiver.**

Please see your Authorized Toro Distributor for information on Pricing and Controller availability.