



9001014 CRUISE CONTROL KIT INSTALLATION INSTRUCTIONS FOR MODEL PB-413T/PB-620

Please retain these instructions for future reference.

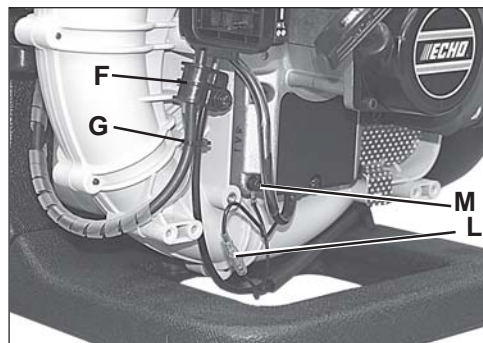
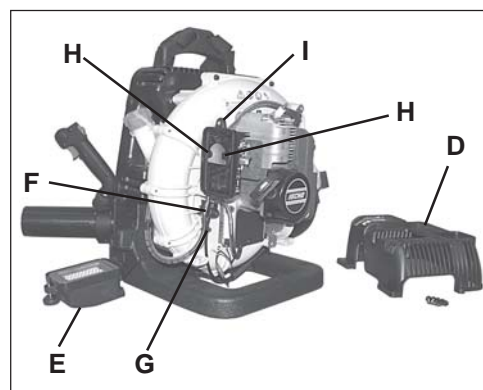
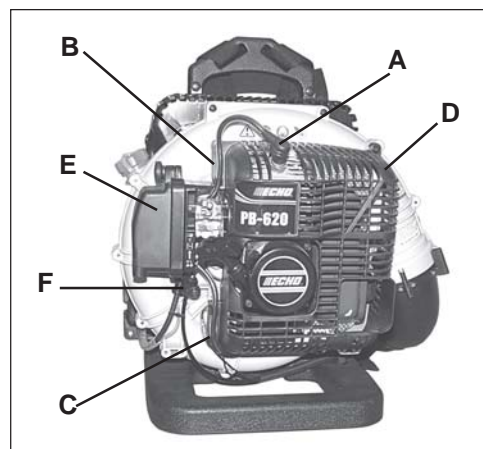
Tools Required: 5 mm hex wrench, screwdriver

Parts Required: PB-620 Cruise Control Handle Assembly
2 - Small plastic cable ties
1 - Large plastic cable tie

ASSEMBLY INSTRUCTIONS

Remove Old Throttle Control Handle Assembly

1. Disconnect spark plug lead (A), and pull lead out of upper cover clamp (B) and lower cover clamp (C).
2. Remove 5 screws and remove engine cover (D).
3. Remove air filter cover and air filter (E).
4. Remove throttle cable/fuel line clamp screw and clamp (F).
5. Carefully cut plastic cable tie (G) securing throttle cable to fuel lines.



SUP22200623

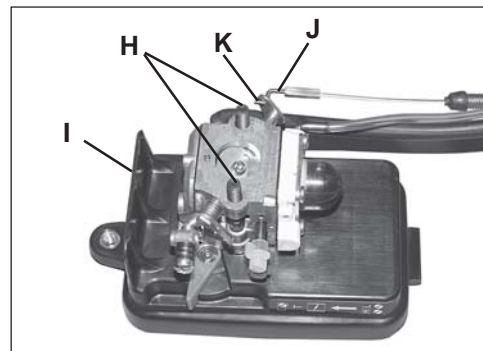
99922200623
11/08

CRUISE CONTROL KIT INSTALLATION INSTRUCTIONS

6. Loosen two air filter/carburetor mounting screws (H), and remove air filter case with carburetor (I). Note position of carburetor gasket before carburetor is removed. Gasket must be installed in same position when carburetor is reassembled to engine.



7. Remove throttle cable end (J) from carburetor throttle plate (K).



8. Disconnect ignition lead connectors in insulated coupler (L).
9. Remove ignition ground lead screw and remove ground lead (M).



10. Remove throttle cable tube from clamp (N) in base of blower frame.



11. Remove handle adjustment knob and nut, and remove old throttle control handle assembly (O) from handle clamp.



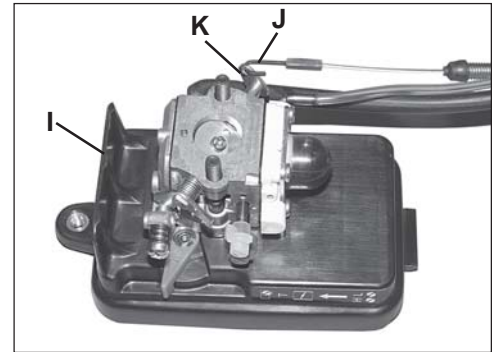
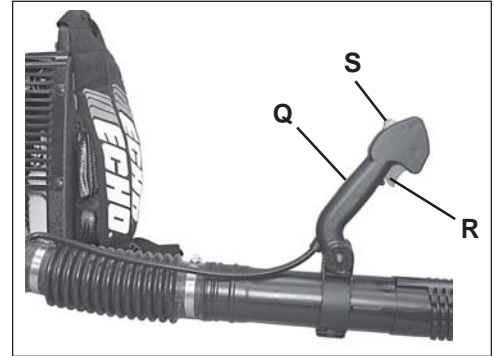
CRUISE CONTROL KIT INSTALLATION INSTRUCTIONS

12. Remove plastic cable tie (P) from flex pipe.
13. Remove old handle assembly from unit.

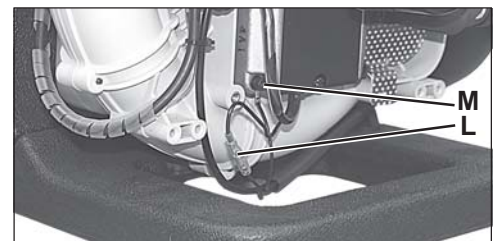


Install Cruise Control Handle Assembly

1. Assemble new Cruise Control Handle Assembly (Q) to handle clamp using handle adjustment knob and nut.
2. Place throttle cable tube over top of flex pipe and between engine and backpack frame.
3. Connect throttle cable end (J) to carburetor throttle plate (K).



4. Place carburetor gasket between carburetor and insulator block on engine, and assemble air filter case with carburetor (I) to engine. Make sure spark plug lead is positioned between fan housing and air filter case, and tighten carburetor mounting screws securely.
5. Connect ignition ground lead (M) to engine with screw and tighten securely.
6. Connect ignition lead connectors in insulated coupler (L).



CRUISE CONTROL KIT INSTALLATION INSTRUCTIONS

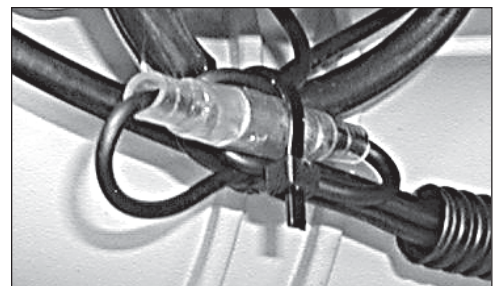
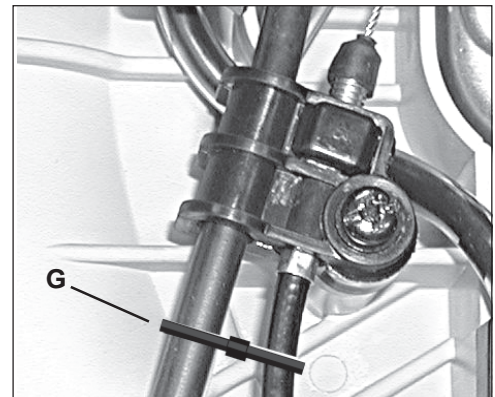
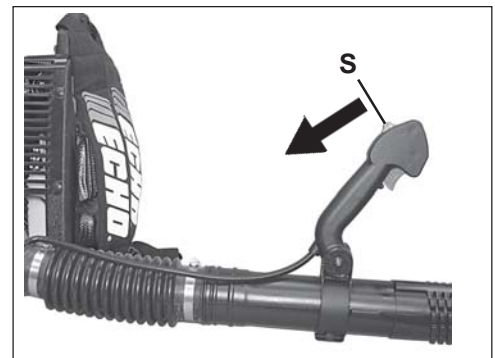
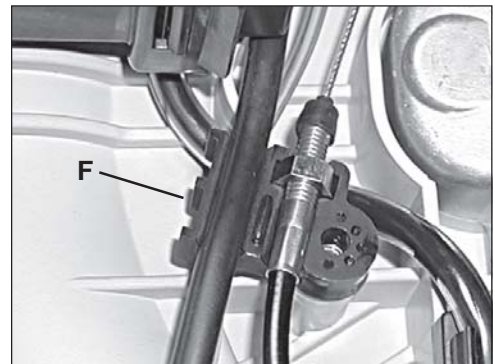
7. Place rear half of split clamp over spark plug lead, and press clamp on mounting screw boss in blower housing.
8. Place fuel/return lines in throttle cable/fuel line clamp (F):
 - Place clear fuel return line in small recess
 - Place black fuel line in large recess, in front of clear fuel return line
9. Adjust throttle cable nut position, and place nut in hex-shaped recess in clamp:
 - Set cruise control button (S) to Wide Open Throttle position
 - Pull down on throttle cable conduit until throttle plate on carburetor pivots to WOT position. Hold cable in position until throttle cable nut is adjusted and placed in clamp.
 - Adjust throttle cable nut to align with recess in clamp, and place nut in clamp to hold WOT position.
 - Place front half of split clamp over fuel lines and throttle cable, and secure with clamp screw.

NOTE

Make sure fuel lines and throttle cable are properly seated in clamp, and are not pinched during assembly

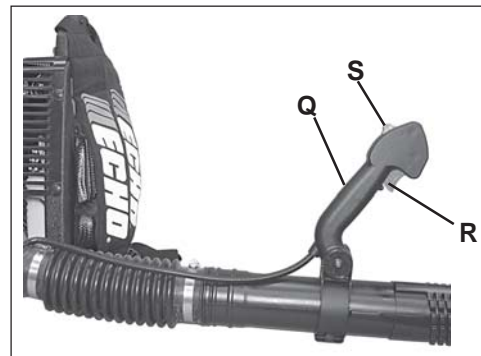
10. Place plastic cable tie (G) around fuel lines and throttle cable, but do not draw tight. Carefully cut off excess end of cable tie.

11. Gather ignition leads around coupler, and secure coupler to spark plug lead and throttle cable with cable tie. Trim excess end of cable tie.



CRUISE CONTROL KIT INSTALLATION INSTRUCTIONS

12. Position Handle Assembly (Q) for comfortable operation, and tighten handle adjustment knob.



13. Secure throttle cable tube in clamp (N) in base of blower frame.



14. Secure throttle cable tube to flex pipe with large plastic cable tie (P). Position cable tie in second groove from elbow.



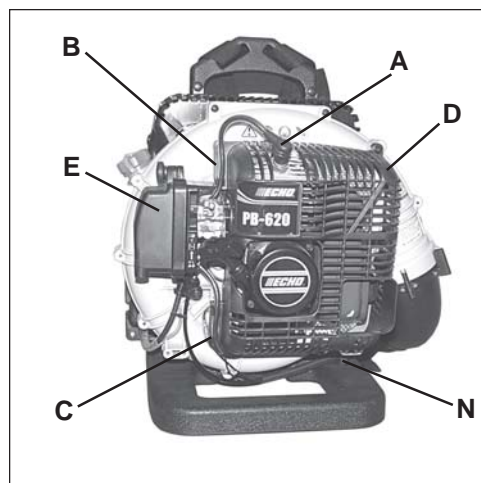
15. Check Trigger (R) and Throttle Control/Stop Switch button (S) for smooth operation. Trigger must return to idle when released. Cruise control button must slide freely and hold position when set.

16. Install air filter and cover (E), and tighten cover knob securely.

17. Install engine cover (D) and secure with 5 screws.

18. Press spark plug lead (A) into upper engine cover clamp (B).

19. Connect spark plug lead to spark plug.



CRUISE CONTROL KIT INSTALLATION INSTRUCTIONS

OPERATION

NOTE

These operating instructions modify the instructions in your current PB-413T/PB-620 Operator's Manual. Please retain for future reference.

DESCRIPTION

Replaces "Stop Switch" description in Operator's Manual:

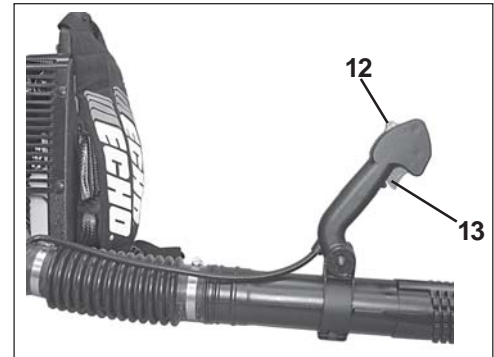
Combination Throttle Position/Stop Switch Button - Controls engine speed and turns ignition on or off. Forward position - STOP. First position - IDLE. Move button back to increase speed, forward to decrease speed. Use Throttle Position Button to set and hold blower speed for continuous operation.

IMPORTANT

"STOP" position of 9001014 Stop Switch Button is all the way forward. ("STOP" position of old handle button was all the way back).

Replaces "Throttle Trigger" description in Operator's Manual:

Throttle Trigger - Spring-loaded trigger controls engine speed for intermittent operation. When trigger is released, blower returns to idle, or to speed set by Throttle Position/Stop Switch Button.



STARTING COLD ENGINE

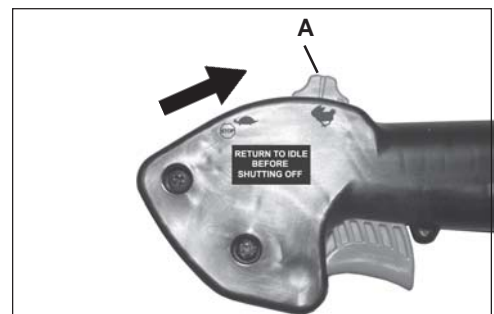
PB-413T/PB-620

1. Replaces Step 1 in Operator's Manual:

Throttle Position/Stop Switch Button

Slide Throttle Position/Stop Switch Button (A) all the way back to WOT (Wide Open Throttle) position (first position away from STOP position.)

- Follow remaining cold engine starting instructions in Operator's Manual.



CRUISE CONTROL KIT INSTALLATION INSTRUCTIONS

STARTING WARM ENGINE

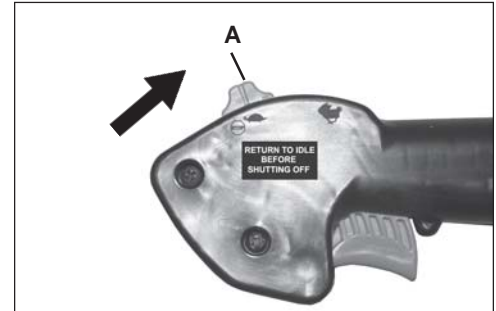
PB-413T/PB-620

1. Replaces Step 1 in Operator's Manual:

Throttle Position/Stop Switch Button

Slide Throttle Position/Stop Switch Button (A) back to idle position (first position away from STOP position.)

2. Follow remaining warm engine starting instructions in Operator's Manual.



STOPPING ENGINE

PB-413T/PB-620

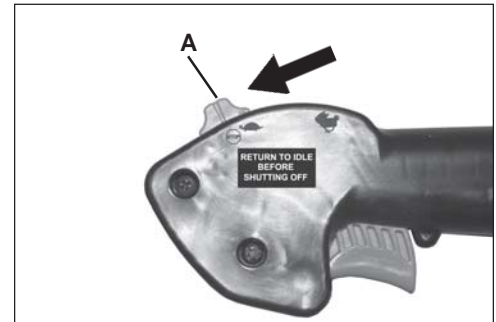
Replaces Steps 1 & 2 of "Stopping Engine" in Operator's Manual:

1. Trigger - Throttle Position/Stop Switch Button

Release throttle trigger if depressed. Move Throttle Position /Stop Switch Button (A) forward to IDLE position and allow engine to return to idle for 30 seconds before shutting off.

2. Throttle Position/Stop Switch Button

Move throttle Position/Stop Switch Button (A) all the way forward to STOP position.



OPERATING BLOWER

This information applies to "Operating Blower" section of Operator's Manual:

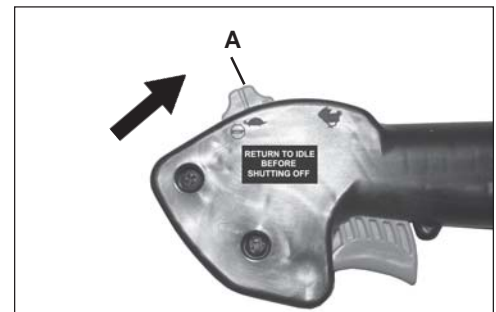
Throttle Trigger Operation - Place Throttle Position/Stop Switch Button in "IDLE" position, and control blower speed with throttle trigger. Release trigger and allow unit to idle when blower action is not needed.

NOTE

When trigger is released, blower returns to speed set by Throttle Position/Stop Switch Button.

Throttle Position/Stop Switch Button Operation - Control and set blower speed by sliding button to desired speed. Slide button to "IDLE" position when blower action is not needed.

Read and obey all blower operating and safety instructions in Operator's Manual.



ECHO CONSUMER PRODUCT SUPPORT

If you require assistance or have questions concerning the application, operation or maintenance of this product you may call the ECHO Consumer Product Support Department at 1-800-673-1558 from 8:30 am to 4:30 pm (Central Standard Time) Monday through Friday. Before calling, please know the model and serial number of your unit to help your Consumer Product Support Representative.



ECHO, INCORPORATED

400 OAKWOOD ROAD

LAKE ZURICH, IL 60047

www.echo-usa.com