

## Description

This repair kit contains parts needed to install a bracket assembly for the GP90135 compressor. It includes a belt guard bracket, M8x30 bolt, 5/16" bolt, 5/16" nut, washer, and 5/16" - 24 x 1/2" bolt needed for installation.

## Safety Information

### ⚠ DANGER:

Danger indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.

### ⚠ WARNING:

Warning indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

### ⚠ WARNING:

Turn power OFF and unplug unit from power receptacle before servicing compressor.

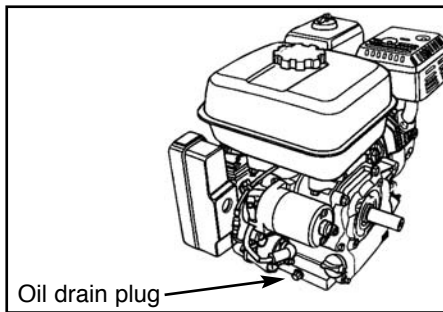
### ⚠ DANGER:

Drain ALL compressed air from tank before servicing compressor. This can be done using the ASME Safety Valve.

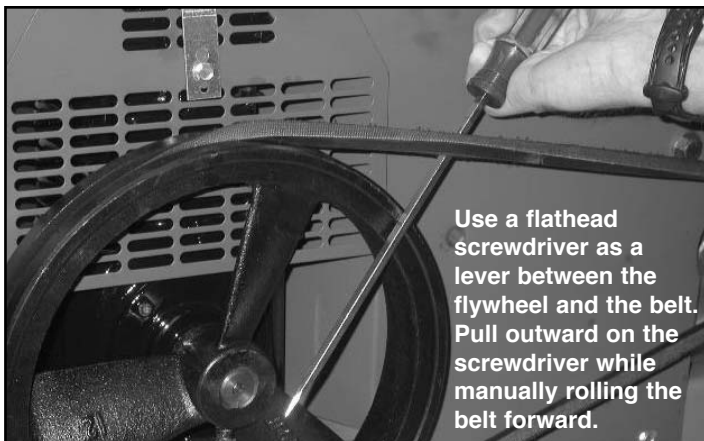
## Procedure

NOTE: If at any time you require assistance during this procedure, call 1-800-543-6400 (8:00 am - 5:00 pm EST) or visit [www.chpower.com](http://www.chpower.com).

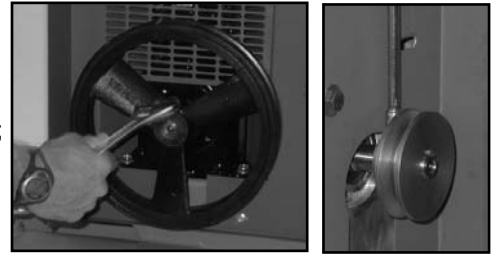
1. Make sure the unit is depressurized.
2. Drain all engine oil.
3. Remove belt guard front cover by removing bolt and nut.



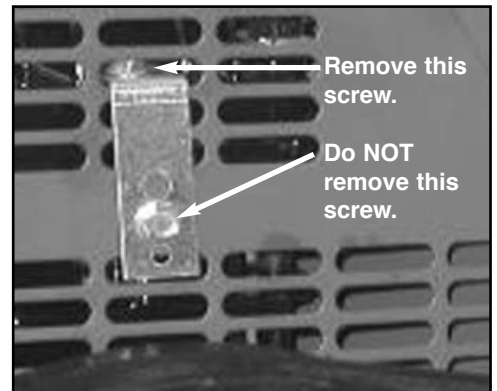
4. Remove belt. A "roll" removal is recommended as the easiest means for belt removal.



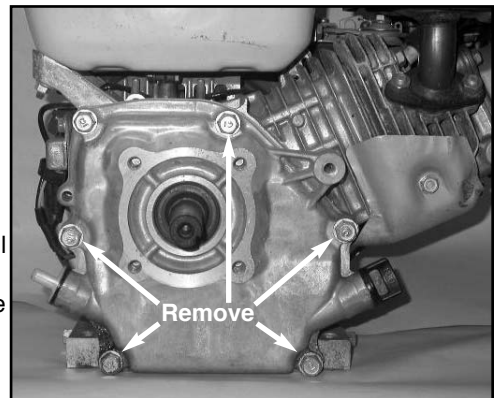
5. Using an adjustable wrench, loosen set screw to remove flywheel; and using a 1/4" drive extension (6" long) and an adjustable wrench, loosen set screw to remove pulley.



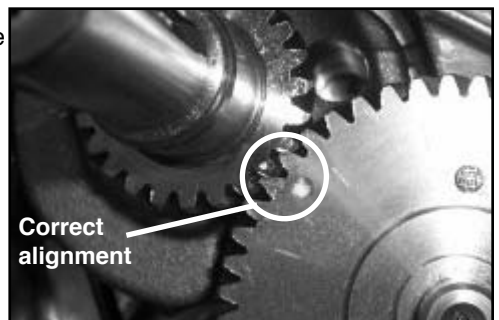
6. Remove five (5) belt guard back screws - one screw is attached to the pump; do not remove pump bracket screw. Retain screws for reassembly.



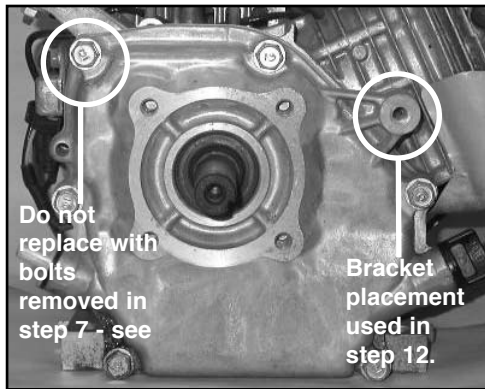
7. To remove the remaining portion of the broken bolt from engine, first remove the engine cover. To remove engine cover, remove all five (5) bolts. Carefully remove cover and gasket. If gasket tears or in any way falls apart, replace gasket before returning to normal use (Gasket part number: 11381-ZH8-801; call 1-800-426-7701 for ordering assistance). Extract the remains of the broken bolt carefully; avoid damage to the engine housing.



- NOTE: If camshaft or crankshaft are removed in the process of extracting the broken bolt, align correctly when re-installing by aligning timing marks.



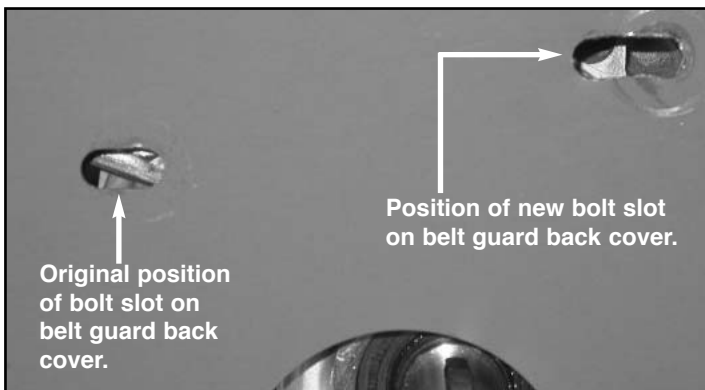
8. Reattach engine cover. Insert all five (5) of the bolts into the original positions (torque of 18 ft/lbs). The upper left corner bolt will be replaced by bolt used in step nine.



9. Use M8x30 bolt from kit to attach pump cross brace to engine.

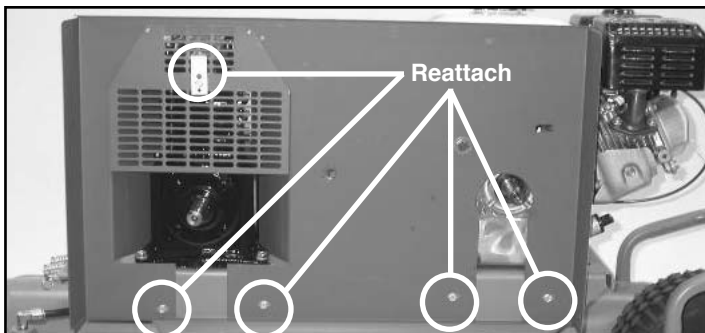


10. Locate the template decal from the kit and align and apply the decal to the back belt guard cover. Cut new slot in belt guard by drilling two (2) 3/8" holes. Remove remaining material between the two holes to form new slot. You may need to clean up / remove sharp edges from the surface of the belt



guard.

11. Attach back belt guard cover to tank and pump - reusing the



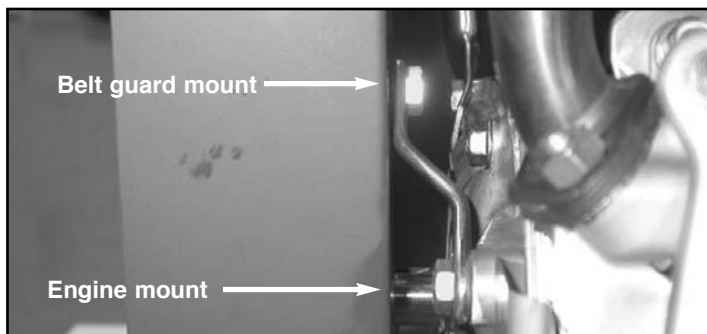
five (5) screws removed in step 6.

12. Attach new bracket to engine using 5/16" - 24 x 1/2" bolt provided in kit. Insert bolt into first available position on engine past edge of belt guard back cover. Bracket is to be attached so that when rotated, bracket securely rests against belt guard



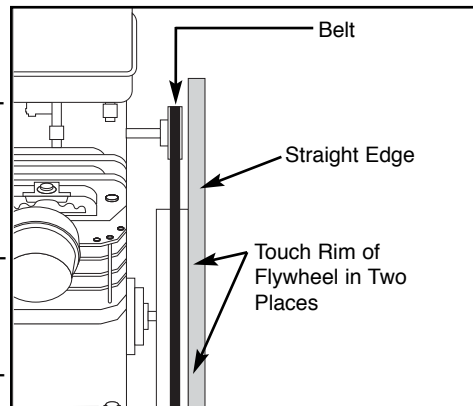
back cover.

Attach new bracket to belt guard back cover using 5/16" bolt, 5/16" nut and washer provided in kit. Bolt will go through bracket-



et and new belt guard slot. Use nut and washer to secure new bracket to inside of belt guard.

13. Reinstall both the flywheel and the pulley. Use removable Loctite on both set screws. Make sure the flywheel and the pulley are properly aligned. Reinstall the belt. The belt must be properly aligned when adjustment is made.



To align belt, lay a straight edge against the face of the flywheel, touching the rim at two places. Adjust engine pulley so that the belt runs parallel to the straight edge. The distance between the belt and the straight edge should remain consistent from one end of the belt to the other (as illustrated above).

14. Attach belt guard front cover to belt guard back cover (correct placement is for the top and bottom edges of the back belt guard cover to be outside the front cover and for the side edges of the back cover to be inside the front cover).

15. Reinsert bolt (removed in step three) and tighten nut to bolt.

16. Add engine oil.