



## INSTRUCTION BULLETIN

No. 340110  
Machine: 6080 LP / 3640 LP  
Published: 9-99/03  
System: ENGINE

**NOTE: DO NOT DISCARD the Parts List from the Instruction Bulletin. Place the Parts List in the appropriate place in your machine manual for future reference. Retaining the Parts List will make it easier to reorder individual parts and will save you the cost of ordering an entire kit.**

*NOTE: Numbers in parenthesis ( ) are reference numbers for parts listed in Bill of Materials.*

Installation Instructions for Kit number 378813

### SYNOPSIS / PROBLEM:

This kit contains the parts needed to install a solenoid conversion kit on the model 6080 LP and 3640 LP sweepers. This kit will correct a hard starting problem on the early LP machines. Please follow step-by-step instructions.

### SPECIAL TOOLS / CONSIDERATIONS: #20 Torx driver, RTV sealant

(Estimated time to complete: 1 hour)

### INSTALLATION:

(Refer to FIG. 1)

**FOR SAFETY: Before leaving or servicing machine, stop on level surface and set parking brake. Then turn off machine and remove key.**

1. Open the engine cover and disconnect the battery cables from machine.



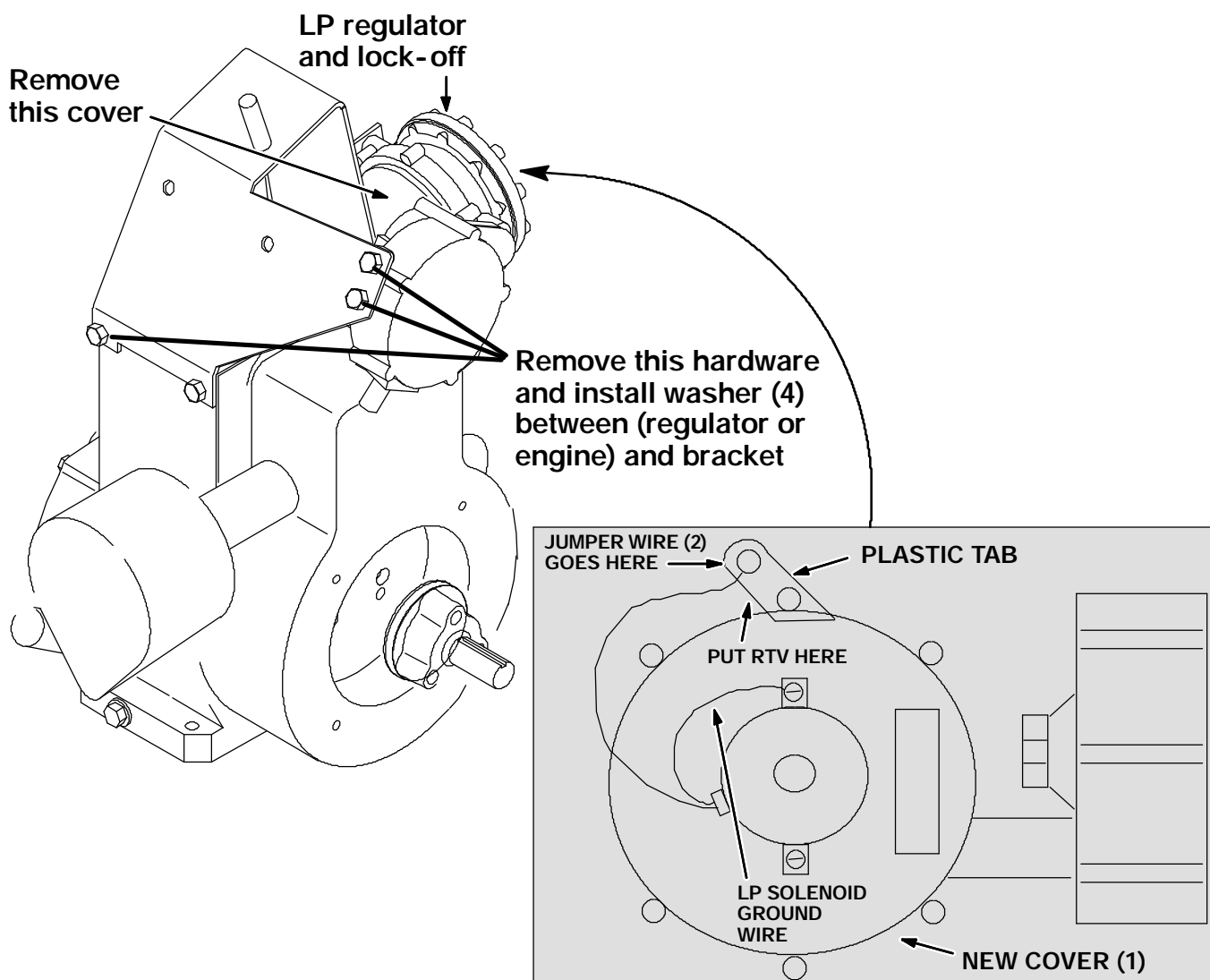
**WARNING: Always disconnect battery cables from machine before working on electrical components.**

2. Close the valve on the LP tank. Remove the tank.
3. Remove the LP regulator and lock-off assembly from the engine mount bracket. Be careful not to damage or cut the LP hoses. (Refer to FIG. 1)

*NOTE: Use a #20 Torx driver for the cover attachment hardware.*

4. Remove the existing front cover from the lock-off assembly. Discard the cover. (Refer to FIG. 1)
5. Install the new cover (1) on the lock-off assembly.
6. Install the jumper wire (2) onto the solenoid wire.
7. Reinstall the LP regulator and lock-off assembly onto the engine mount bracket. *Be careful not to pinch the new LP solenoid ground wire at the back of the engine.*
8. Route the new jumper wire (2) behind the engine and up to the key switch along the existing harness.

9. Install the jumper wire (2) onto the key switch tab marked 'ST' along with the existing blue wire.
10. Use the 8 wire ties (3) to secure the new jumper wire (2) to the existing harness. Make sure the jumper wire is clear of any hot or moving parts.
11. Reinstall the LP tank.
12. Start the machine and check for leaks.



**FIG. 1 - LP Lock-off And Regulator.**

**BILL OF MATERIALS FOR SOLENOID CONVERSION KIT 378813**

Ref.	TENNANT Part No.	Description	Qty.
1	379224	Lock-off solenoid cover	1
2	378814	Jumper wire	1
3	49266	Wire tie	8
4	41140	Lock washer	3

TENNANT COMPANY  
P. O. Box 1452  
Minneapolis, MN 55440-1452