



# INSTRUCTION BULLETIN

No. 340147  
Machine: 355 Line/6500 Line  
Published: 9-98/01  
System: Electrical

**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 374620

## **SYNOPSIS / PROBLEM:**

This kit contains the parts needed to install a diesel governor start relay kit on the model 355/385 diesel sweeper. Installation of kit will assist in cold starting sweeper.

Please follow step-by-step instructions.

## **SPECIAL TOOLS / CONSIDERATIONS: Torque Wrench, hand drill, 16mm drill bit, heat gun**

(Estimated time to complete: 2 hours)

## **PREPARATION:**

(Refer to FIG. 1 and 2)

1. Raise hopper and engage hopper support bar.

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

2. Disconnect battery cables from machine.

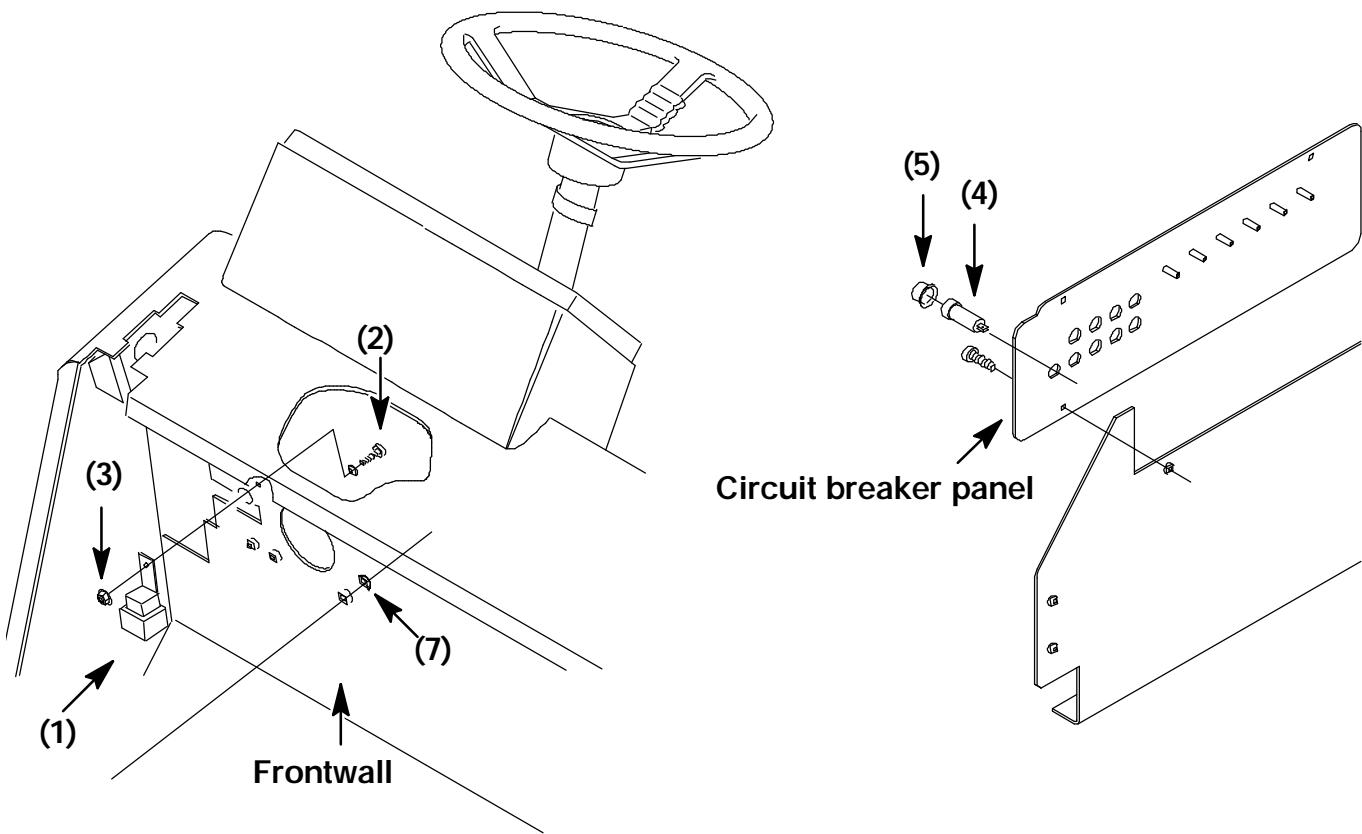
**⚠ WARNING: Always disconnect battery cables from machine before working on electrical components.**

## **INSTALLATION:**

(Refer to FIG. 1 and 2)

1. Locate the front wall separating the driver from the rear of hopper.
2. From the hopper side, locate large opening for steering and electrical harness.
3. Mount relay (1) to the left of large opening using 6mm screw (2) and nut. (3) (Refer to FIG. 1)
4. Locate the circuit breaker panel. Remove a plastic cap from an unused hole in panel, or drill an additional 16mm (.635 in) diameter hole in the panel. (Refer to FIG. 1)
5. Insert new breaker (4) and new breaker boot (5) in panel. (Refer to FIG. 1)
6. Install the new governor adapter (9), gasket (12) and linear actuator, using socket head screws (11). Tighten screws to 8-12 ft lbs of torque.
7. Remove the terminals from the 84/GRN and 86/PUR wires at the existing governor actuator. (Refer to FIG. 2)

8. Wire in the new governor adapter harness (13) as shown in figure two using the parallel barrel connectors (14) and heat shrink tubes (15). (Refer to FIG. 2)
9. Connect wire harness as shown on electrical schematic. (Refer to FIG. 2)
10. Mount black ground wire to steering bracket bolt under dash using 5/16" serrated lock washer. (7) (Refer to FIG. 1)
11. Tie wires away from all hot objects and sharp edges using cable ties (8).



**FIG. 1 Diesel Governor Relay Installation**

12. Connect battery cables to machine.
13. Start machine.
14. Raise hopper and disengage hopper support bar. Lower hopper.

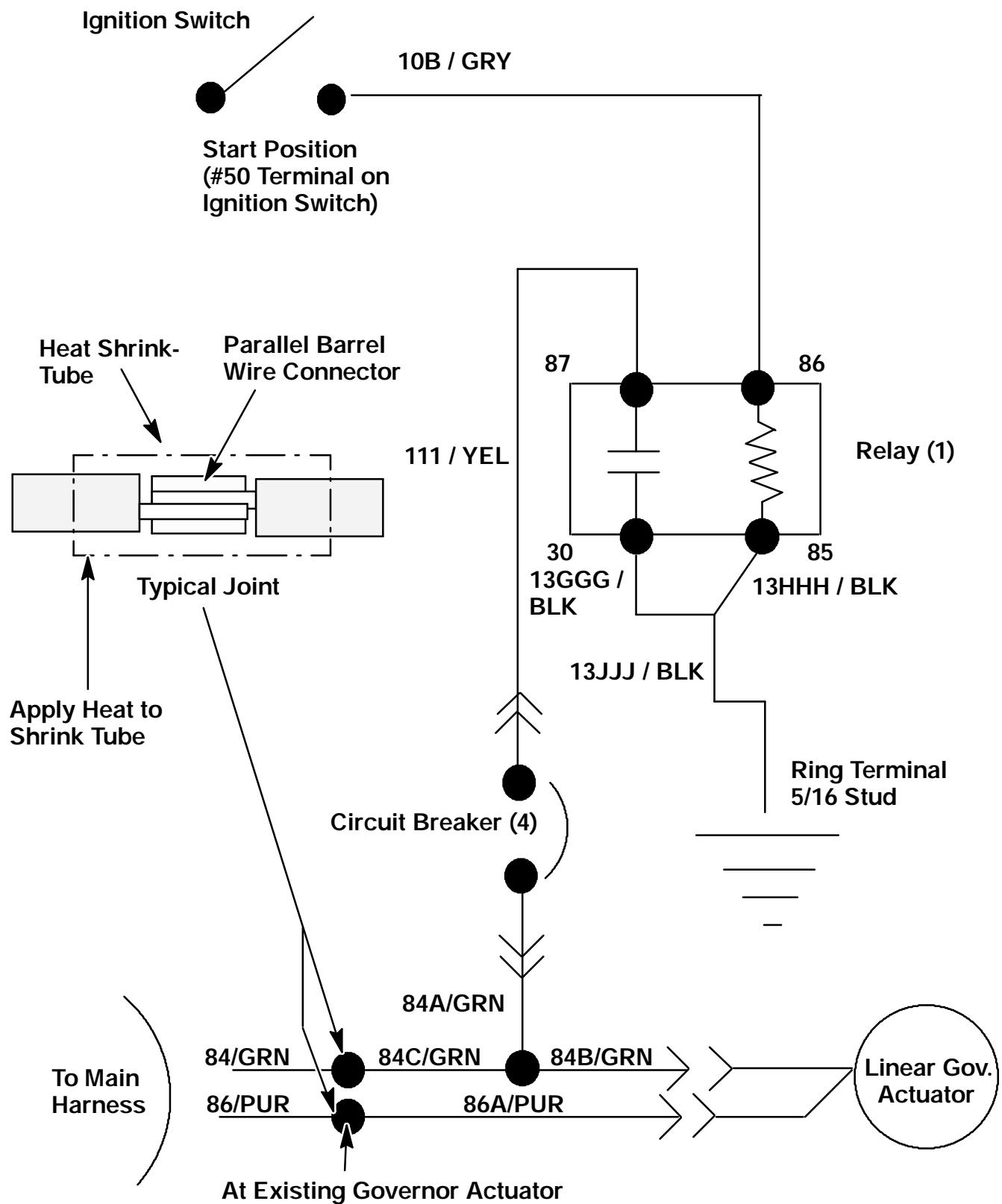


FIG. 2 355L/6500L Diesel Governor Actuator Relay Schematic

**BILL OF MATERIALS FOR DIESEL GOVERNOR START RELAY KIT 374620**

Ref.	TENNANT Part No.	Description	Qty.
1	56186	Relay, 12v 40amp.	1
2	06943	Screw, hex 6x20mm	1
3	07790	Nut, Hex Flange 6mm	1
4	57803	Breaker-Circuit	1
5	57751	Boot, Circuit Breaker	1
6	374619	Harness, Governor Relay	1
7	41141	Washer, Lock Interior-Exterior	1
8	49266	Tie, Cable 1.75	5
9	71384	Adaptor	1
10	71385	Governor, Diesel	1
11	71388	M6x16 Screw	4
12	70165	Gasket	1
13	374633	Harness, Gov. Relay Adapter	1
14	28693	Clip, Splice	2
15	41755	Heat Shrink Tube, 1.5 in.	2

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