



INSTRUCTION BULLETIN

No. 340435
Machine: 7300 / 8300
Published: 07-2015
Rev. 04

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

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

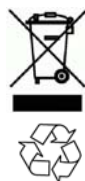
Installation instructions for **kit numbers 387208 / 9006947**

SYNOPSIS:

This kit contains the parts needed to install a 36V backup alarm kit on 7300 / 8300 machines.
Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 2 hours)



PROTECT THE ENVIRONMENT

Please dispose of packaging materials, used machine components such as batteries and fluids in an environmentally safe way according to local waste disposal regulations.

Always remember to recycle.

PREPARATION:

1. Park the machine on a clean level surface, turn off the machine, remove the key, and set the parking brake.

FOR SAFETY: Before leaving or servicing machine, stop on level surface, turn off machine, and remove key.

2. Open the top and rear battery compartment covers.
3. Disconnect the battery cable from the machine.



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

INSTALL MICRO SWITCH AND DIODE:

NOTE: Complete Steps 1 through 6 on 7300 machines serial numbers 000000-001705 and 8300 machines serial numbers 000000-003545. Proceed to Step 7 for machines above serial numbers 001705 and 003545.

1. Open the front machine cover (7300 machine) or the top and side covers (8300 machine) to access the electrical control panel assembly.
2. Disconnect the detergent tank hose from the detergent tank and remove and set aside the detergent tank (option).

3. Remove the control box cover. Set the cover and mounting hardware aside. (Fig. 1 / Fig. 4 / Fig. 5)

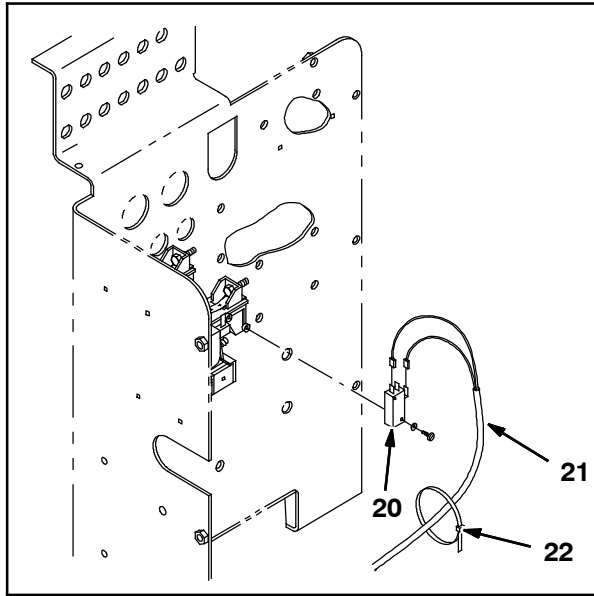


FIG. 1

4. Install the gray lever onto the contact. (Fig. 4)
5. Install and hand tighten the micro switch (20). (Fig. 1 / Fig. 4)
6. Connect the wire harness to the micro switch (20).
7. Mount the 20A relay (13) to the main wire harness. (Fig. 1 / Fig. 5)

INSTALL BACKUP ALARM ASSEMBLY:

1. Use two hex screws (2), washers (4), and flange nuts (3) to mount the backup alarm assembly (1) to the mounting bracket (18). (Fig. 2)
2. Use two hex screws (10), washers (12), and lock nuts (11) to mount the flasher (9) to the mounting bracket (18). (Fig. 2)
3. Use a hex screw (7) and washer (6) to mount the spot light (5) to the mounting bracket (18). (Fig. 2)
4. Install the light guard (8) onto the spot light (5). (Fig. 2)
5. Connect the backup alarm harness (17) to the backup alarm assembly.
6. Use the backup alarm assembly mounting bracket (18) as a template to mark and drill five 3/32" mounting holes. Use a level to ensure the assembly is horizontal before marking locations. (Fig. 3 / Fig. 7 / Fig. 8)
7. Use five pan screws (19) and washers (4) to mount the backup alarm assembly to the rear panel. Use a cable clamp (15) and one pan screw (19) to secure the backup alarm wire harness (17) to the mounting bracket (18). (Fig. 2 / Fig. 3 / Fig. 7 / Fig. 8)
8. Connect the backup alarm wire harness (17) to the main harness. (Fig. 9)
9. Use a cable tie (22) to secure the backup alarm harness (17) to the vacuum hose bracket. (Fig. 10)
10. Use previously removed hardware to reinstall the control box cover.
11. Reinstall detergent tank and reconnect the detergent tank hose to the detergent tank.
12. Close and secure the front machine cover (7300 machine) or the side and top covers (8300 machine).
13. Reconnect the battery cables to the batteries.
14. Close the rear and top battery compartment covers.
15. Start the machine and test the backup alarm to ensure that it operates.

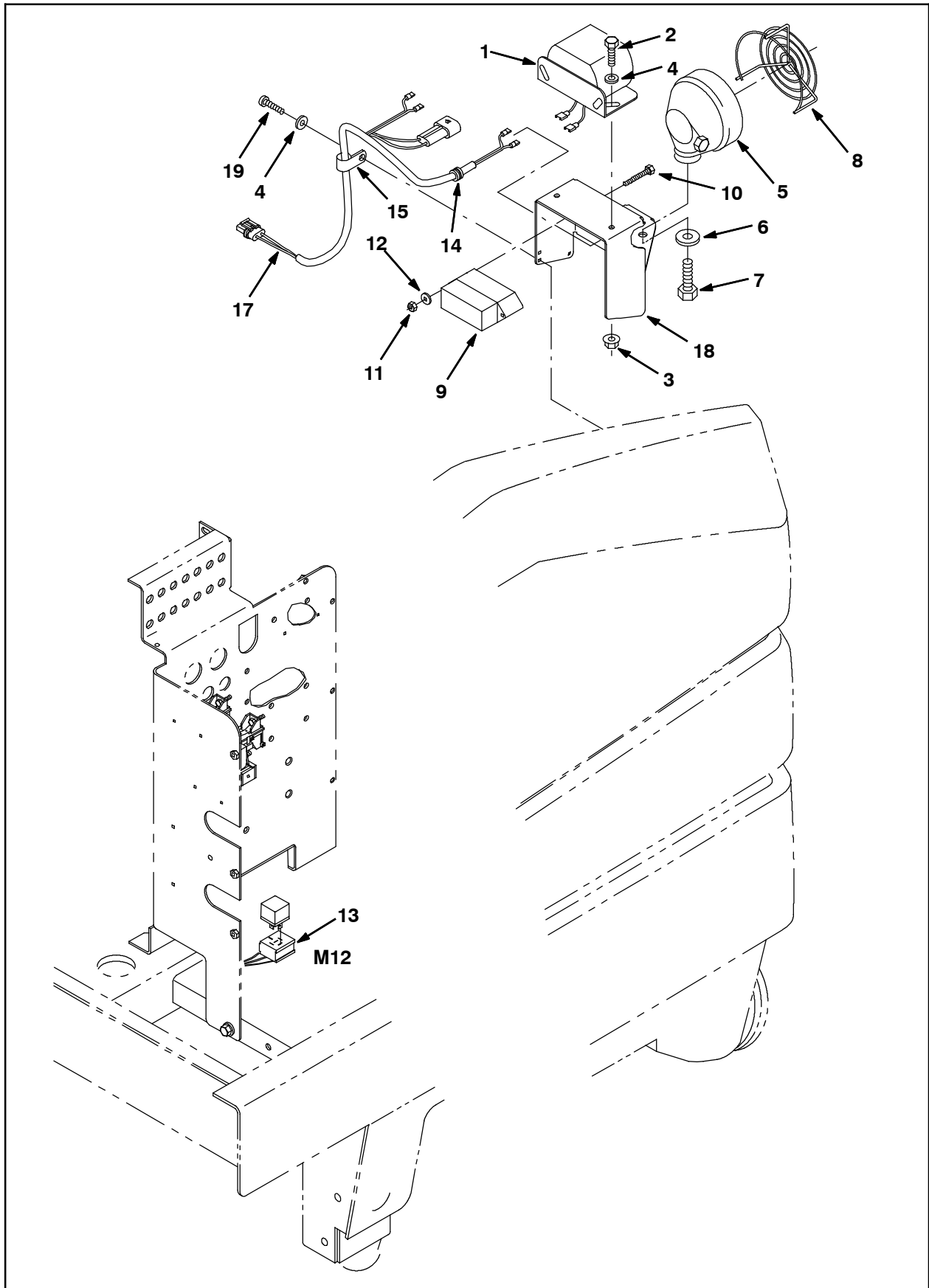
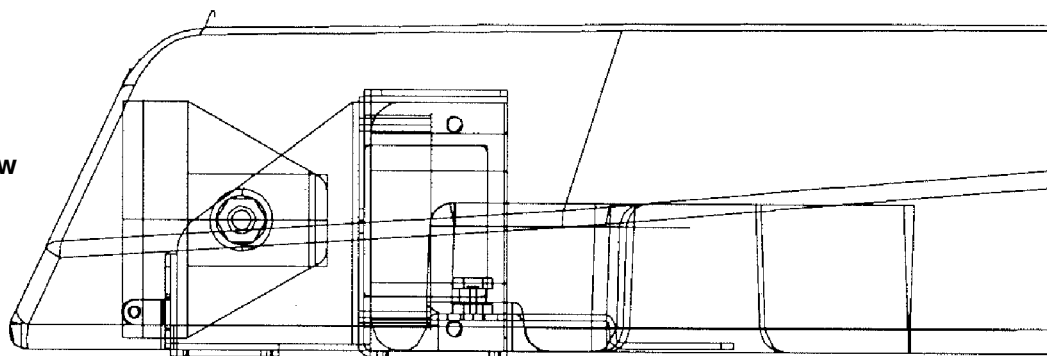


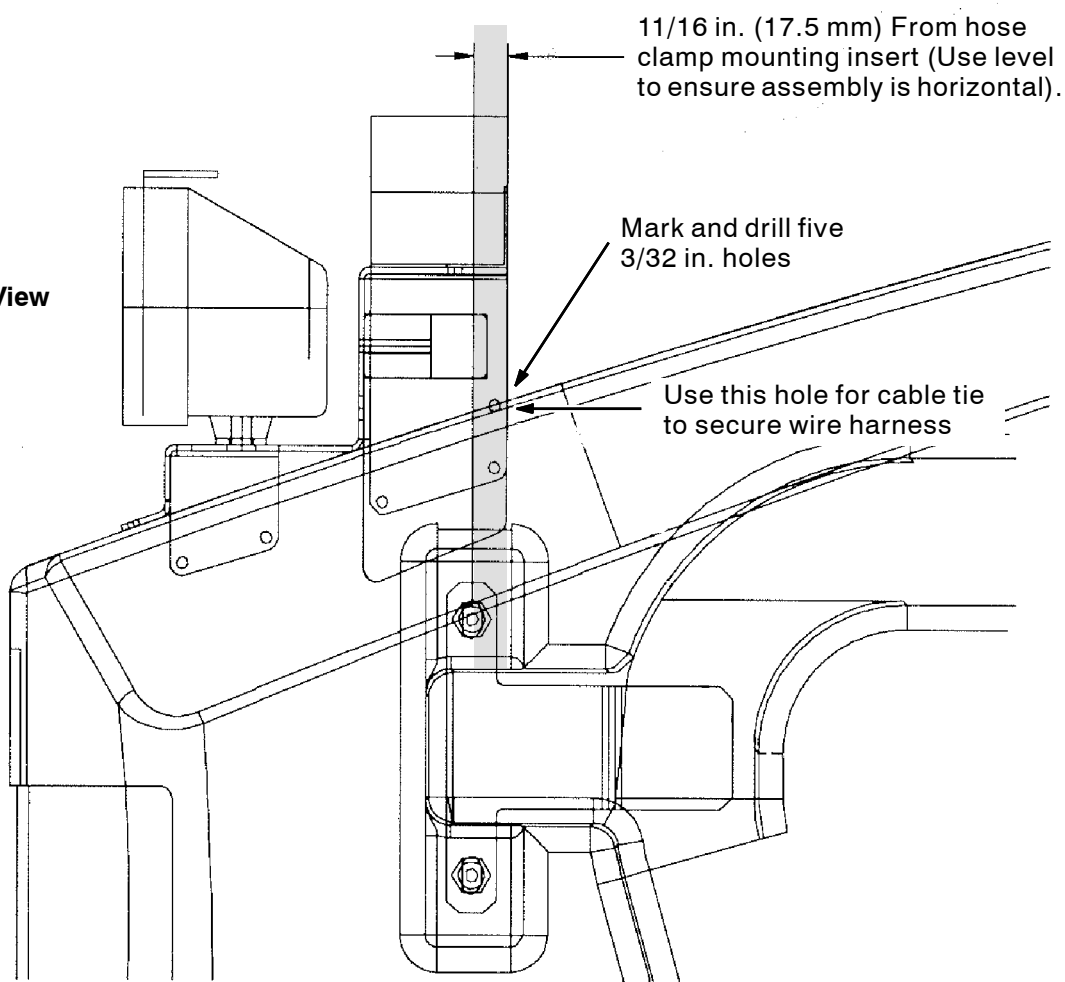
FIG. 2

Top View



← **Rear of Machine**

Side View



11/16 in. (17.5 mm) From hose clamp mounting insert (Use level to ensure assembly is horizontal).

Mark and drill five 3/32 in. holes

Use this hole for cable tie to secure wire harness

FIG. 3

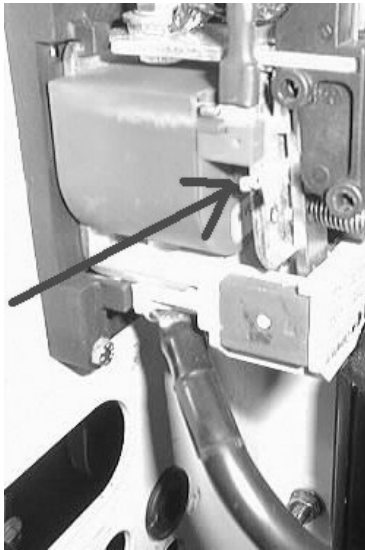


FIG. 4 - Install gray lever to contact

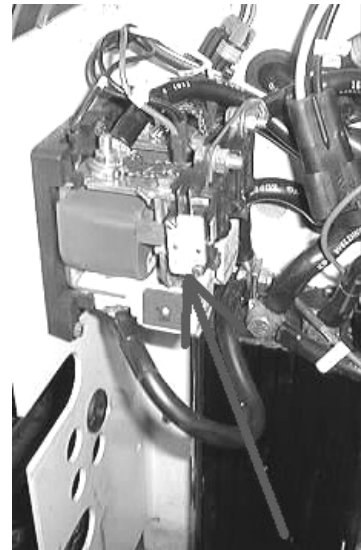


FIG. 5 - Install micro switch and hand tighten



FIG. 6 - Mount relay to main wire harness



FIG. 7 - Backup alarm assembly installation



FIG. 8 - Backup alarm assembly installation



FIG. 9 - Connect backup alarm to main wire harness

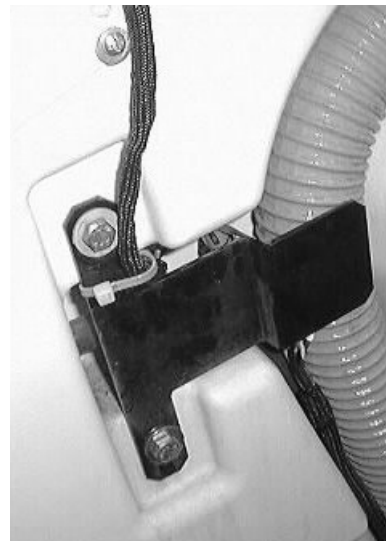


FIG. 10 - Secure wire harness with cable ties

Bill of Materials for Alarm Kit, Backup / A/V, CI[7300] - 387208

Ref.	Tennant Part No.	Description	Qty.
▽	387208	Alarm Kit, Backup / A/V, CI [7300]	1
▲	1 9007131	Alarm Assy, Backup, 12/48vdc	1
▲	2 06943	Screw, Hex, M6 X 1.00 X 20, 8.8	2
▲	3 07790	Nut, Hex, Flng, M6 X 1.00	2
▲	4 19066	Washer, Flat, 10	7
▲	5 72172	Light, Spot, 36vdc, 60watt, Rwk 72173	1
▲	6 32486	Washer Flat, 0.50,SAE	1
▲	7 39807	Screw, Hex, .50- 13 X 0.75, G5	2
▲	8 72174	Guard, Light	1
▲	9 72164	Flasher, 12/48vdc 5a [6309/12- 48v]	1
▲	10 06949	Screw, Hex, M6 X 1.00 X 50, 8.8	2
▲	11 08708	Nut, Hex, Lock, M6 X 1.00, NL	2
▲	12 32483	Washer, Flat, 0.25, SAE	2
▲	13 398526	Relay, 36vdc, 005a, Spdt No [Greenwich]	1
▲	14 10632- 12	Grommet, Rbr, 0.38id, F/0.5h, .12 Matl	1
▲	15 26395- 2	Clamp, Cable, Stl, 0.38d X 0.38w, 1hole	1
▲	16 32980	Washer, Lock, Int, 10	2
▲	17 386606	Harness, Alarm, Backup, Shrd [7300]	1
▲	18 387158	Bracket, Mtg	1
▲	19 360973	Screw, Pan, 12- 16 X 0.50, F/ Plstc	6
▲	20 28622	Switch Kit, Micro	1
▲	21 387344	Harness, Jumper, Reverse Switch	1
▲	22 49266	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	4
▲	23 07789	Nut, Hex, Flng, M5 X 0.80	2
▲	24 12312	Screw, Hex, M5 X 0.80 X 12, 8.8	2

Bill of Materials for Alarm Kit, Backup / A/V, Iron Gray, CI[7300] - 9006947

Ref.	Tennant Part No.	Description	Qty.
▽	9006947	Alarm Kit, Backup / A/V, Iron Gray, CI [7300]	1
▲	1 9007131	Alarm Assy, Backup, 12- 48vdc 82- 102dba	1
▲	2 06943	Screw, Hex, M6 X 1.00 X 20, 8.8	2
▲	3 07790	Nut, Hex, Flng, M6 X 1.00	2
▲	4 19066	Washer, Flat, 10	7
▲	5 72172	Light, Spot, 36vdc, 60watt, Rwk 72173	1
▲	6 32486	Washer Flat,0.50,SAE	1
▲	7 39807	Screw, Hex, .50- 13 X 0.75, G5	2
▲	8 72174	Guard, Light	1
▲	9 72164	Flasher, 12/48vdc 5a [6309/12- 48v]	1
▲	10 06949	Screw, Hex, M6 X 1.00 X 50, 8.8	2
▲	11 08708	Nut, Hex, Lock, M6 X 1.00, NL	2
▲	12 32483	Washer, Flat, 0.25, SAE	2
▲	13 398526	Relay, 36vdc, 005a, Spdt No [Greenwich]	1
▲	14 10632- 12	Grommet, Rbr, 0.38id, F/0.5h, .12 Matl	1
▲	15 26395- 2	Clamp, Cable, Stil, 0.38d X 0.38w, 1hole	1
▲	16 32980	Washer, Lock, Int, 10	2
▲	17 386606	Harness, Alarm, Backup, Shrd [7300]	1
▲	18 1056480	Bracket, Mtg, Iron Gray	1
▲	19 360973	Screw, Pan, 12- 16 X 0.50, F/ Plstc	6
▲	20 28622	Switch Kit, Micro	1
▲	21 387344	Harness, Jumper, Reverse Switch	1
▲	22 49266	Tie, Cable, Nyl, 07.3l .19w 1.8 Max D	4
▲	23 07789	Nut, Hex, Flng, M5 X 0.80	2
▲	24 12312	Screw, Hex, M5 X 0.80 X 12, 8.8	2

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