



INSTRUCTION BULLETIN

No. 340391
Machine: 4300 ATLV™
Published: 1-01/04
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 368487

SYNOPSIS / PROBLEM:

This kit contains the parts needed to install a high temperature engine shut down kit, and a dust screen w/ seals for severe environment on the model 4300 ATLV™ litter vacuum.

Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: NONE

(Estimated time to complete: 2 hours)

PREPARATION:

(Refer to FIG. 1 and 2)

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

1. 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 lamp for the oil pressure indicator under the dashboard.
2. Locate wire 10 ORA coming from the lamp. Cut the wire 4 to 5 inches from the lamp, and crimp connector 45223 to the short end. Connect wire ORA on harness #370156 with the female connector. (Refer to FIG. 1)
3. Locate the lamp for the high temperature water indicator under the dashboard. Disconnect wire 11 BLU from the lamp. Install connector 378953 to the back of the lamp. Connect wire 11 BLU to 378953. Connect wire ORA on the second harness #370156 with connector #378953. (Refer to FIG. 1)
4. Cut the spades off the two blue wires on the #370156 harnesses. Strip the ends of the blue wires and splice together with the open wire 10 ORA coming from the M2 run relay. Secure the spliced wires with the 60455 clip. Wrap the splice with electrical tape. (Refer to FIG. 1)
5. Plug the diodes #222290 into harness ends #370156.

6. The diodes will shut down the engine when the oil pressure is less than 7 PSI or when the water temperature is higher than 235°F.
7. **For machines with serial numbers 1254 and later**, the acoustic insulation seals (7, 8, and 9) are factory installed. If the seals are still in good condition, there is no need to replace them. Older machines without the seals (7, 8, and 9), need to have the right side panel removed and the seals installed. (Refer to FIG. 2)
8. Remove and discard the existing louver panel and screen from the right side of the machine. (Refer to FIG. 2)
9. Clean the hydraulic cooler and radiator thoroughly. (Refer to FIG. 2)
10. Install the new wavy screen design (6) and seal (10) in place of the old screen seal and louver panel. (Refer to FIG. 2)

BILL OF MATERIALS FOR HIGH TEMP ENGINE SHUT DOWN KIT 368487

Ref.	TENNANT Part No.	Description	Qty.
1	370156	Harness, wire, switch, key, diode	2
2	222290	Diode, ele, plug	2
3	378953	Connector	1
4	45223	Terminal, QDC, (.25M, INSF, 14)	1
5	60455	Terminal, QDC, (.25F, INSF, 14)	1
6	368396	Screen assy, radiator	1
7	368231	Insulation, acstc, 0.8th, 05.5W X 18.5L	1
8	368232	Insulation, acstc, 0.8th, 02.0W X 20.5L	1
9	368233	Insulation, acstc,	1
10	367812	Seal, foam rubber	1

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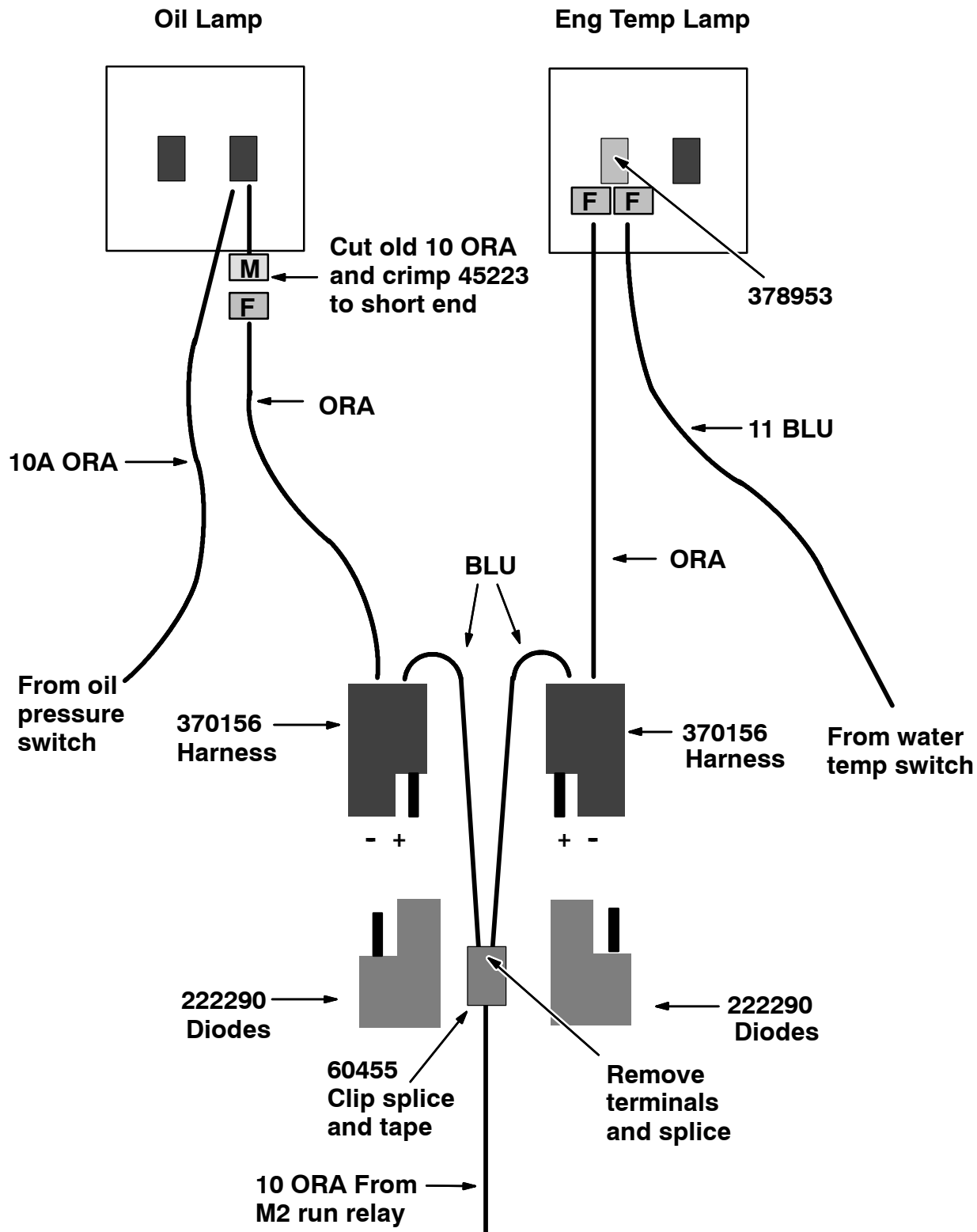


FIG. 1 - NEW DIODE CONNECTOR INSTALLATION

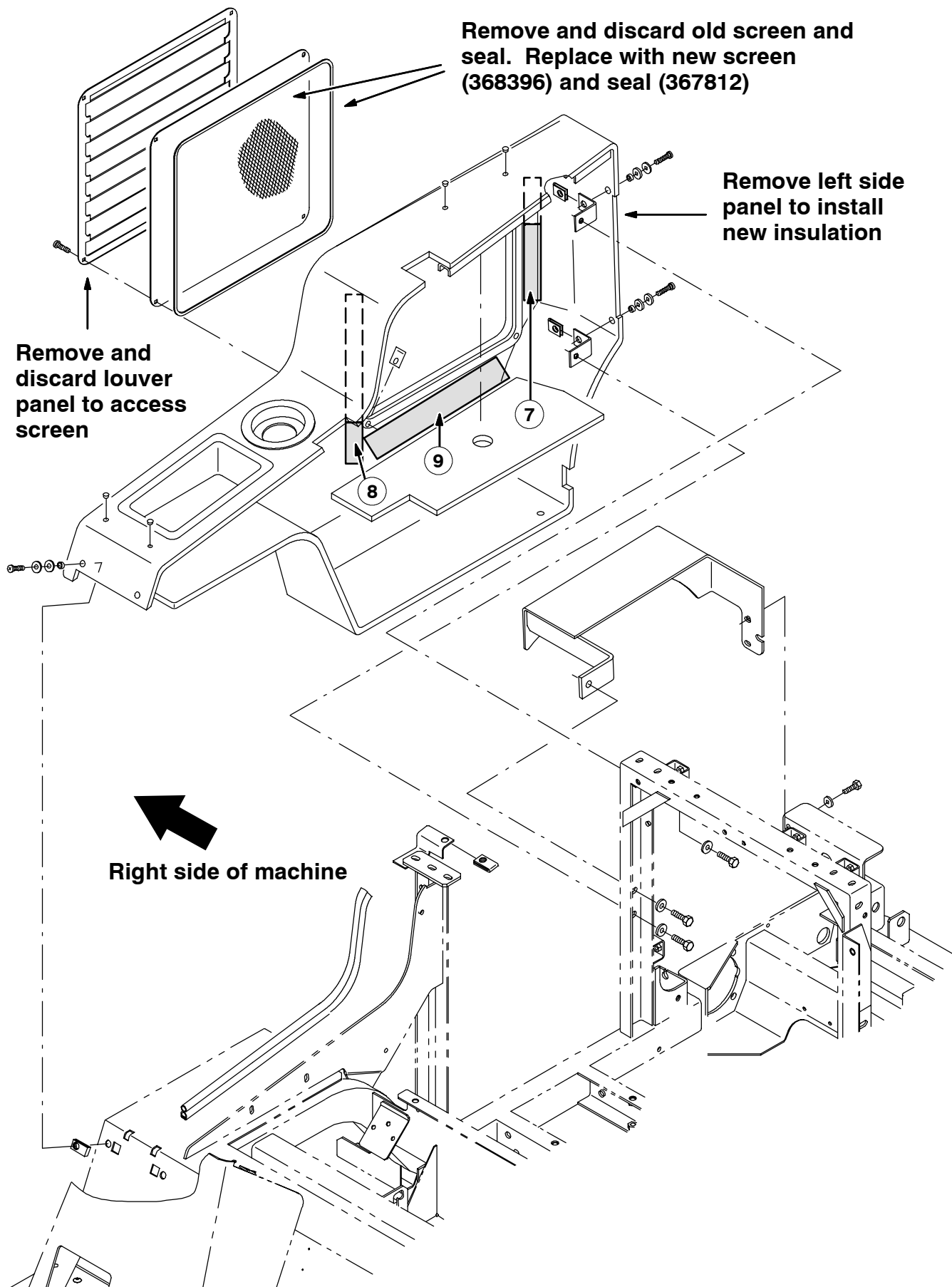


FIG. 2 - NEW DUST SCREEN AND WEATHER SEAL INSTALLATION