



INSTRUCTION BULLETIN

No. 340237
Machine: ATLV 4300
Published: 6-99/02
System: OPTIONS

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 368191

SYNOPSIS / PROBLEM:

This kit contains the parts needed to replace the vacuum screen kit on the model ATLV 4300.

Please follow step-by-step instructions.

SPECIAL TOOLS / CONSIDERATIONS: HAND DRILL, .094 and .194 in. drill bits, hand rivet gun

(Estimated time to complete: 3 hours)

PREPARATION:

(Refer to FIG. 1 thru 4)

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

INSTALLATION:

(Refer to FIG. 1 thru 4)

1. Remove vacuum hose(s) from top cover.
2. Remove two M8 bolts attaching rotating light to left hinge, if so equipped.
3. Remove top plate cover and retain mounting hardware for reinstallation.
4. Raise hopper cover. Remove and discard three flat head bolts from vacuum fan screen.
5. Remove M8 bolt holding screen to vacuum fan motor. Discard screen and circular plate. Reinstall M8 bolt, sleeve and spacer finger tight to retain vacuum fan impeller in position on vacuum fan motor shaft.
6. Remove and discard four M8 bolts holding screen guard to fan mount plate and remove screen guard from machine.
7. Remove and discard six M8 bolts holding vacuum fan housing to top of hopper. Close hopper cover.
8. Remove vacuum fan housing from top of hopper. Set housing on the floor next to machine.

NOTE: Caution. Vacuum fan housing is heavy and awkward to handle. Get assistance to remove.

9. Remove and retain M8 bolt, spacer, and sleeve holding vacuum fan impeller in place.

10. Remove the impeller.

NOTE: If impeller does not easily slide off motor shaft, install three flat head bolts and circular plate (previously discarded) onto impeller, and use a three jaw puller to remove the impeller.

11. The vacuum fan motor can now be moved to a position to access the motor mounting hardware. Remove and discard existing fan motor mounting hardware, and replace with new bolts (4), washers (2), and nyloc nuts (3). One washer should be under the head of each bolt. Torque bolts to 45-50 ft-lb. (Refer to FIG. 1)

12. Using hose shield (9) as template, lay shield in housing groove and mark hole mounting positions. (Refer to FIG. 1)

13. Drill three .094in. holes in marked positions. Mount hose shield (9) with three screws (10). (Refer to FIG. 1)

14. Apply thin coat of dielectric grease to vacuum fan motor shaft. Reinstall vacuum fan impeller on motor shaft with previously removed M8 bolt, sleeve and spacer. Finger tighten.

15. Place vacuum fan housing on top of hopper cover.

NOTE: Caution. Vacuum fan housing is heavy and awkward to handle. Get assistance to handle..

16. Raise hopper cover. Remove M8 bolt, sleeve and spacer installed in step 14.

17. Install new fan screen (8) with M8 bolt, sleeve and spacer removed in step 16, three hex bolts (15) and three washers (16). Use Locktite 242 on center bolt only (Refer to FIG. 1)

18. Secure fan housing with six bolts (6), six hard washers (5), and six fender washers (7) using Locktite 242. Torque bolts to 14-18 ft-lb. (Refer to FIG. 1)

19. Install old fan mount plate/screen guard with four bolts (4) and washers (5) using Locktite 242. Torque bolts to 14-18 ft-lb. (Refer to FIG. 1)

20. Close cover. Reinstall top plate cover using existing hardware with Locktite 242. Torque bolts to 14-18 ft-lb.

21. Reinstall rotating light if previously removed using existing hardware and Locktite 242.

22. Raise hopper cover. Tip out canister until retained by the cable. Using the retainer brackets (11) as templates, mark and drill three .194in. mounting holes in the canister and sound reducing foam. (Refer to FIG. 2)

23. Mount retainer brackets (11) to canister with rivets (12). Install rivets from the inside of the canister. (Refer to FIG. 2)

24. Tip canister into operating position. Close hopper cover. Reconnect vacuum hose(s).

25. Raise seat weldment covering the engine compartment, and replace old exhaust pipe heat shield with new shield (13). Lower seat weldment. (Refer to FIG. 3)

26. Install new parking brake plates (14) using existing hardware. (Refer to FIG. 4)

27. Install label (17) in front of throttle lever on side shroud.

28. Start machine. Check vacuum for proper operation.

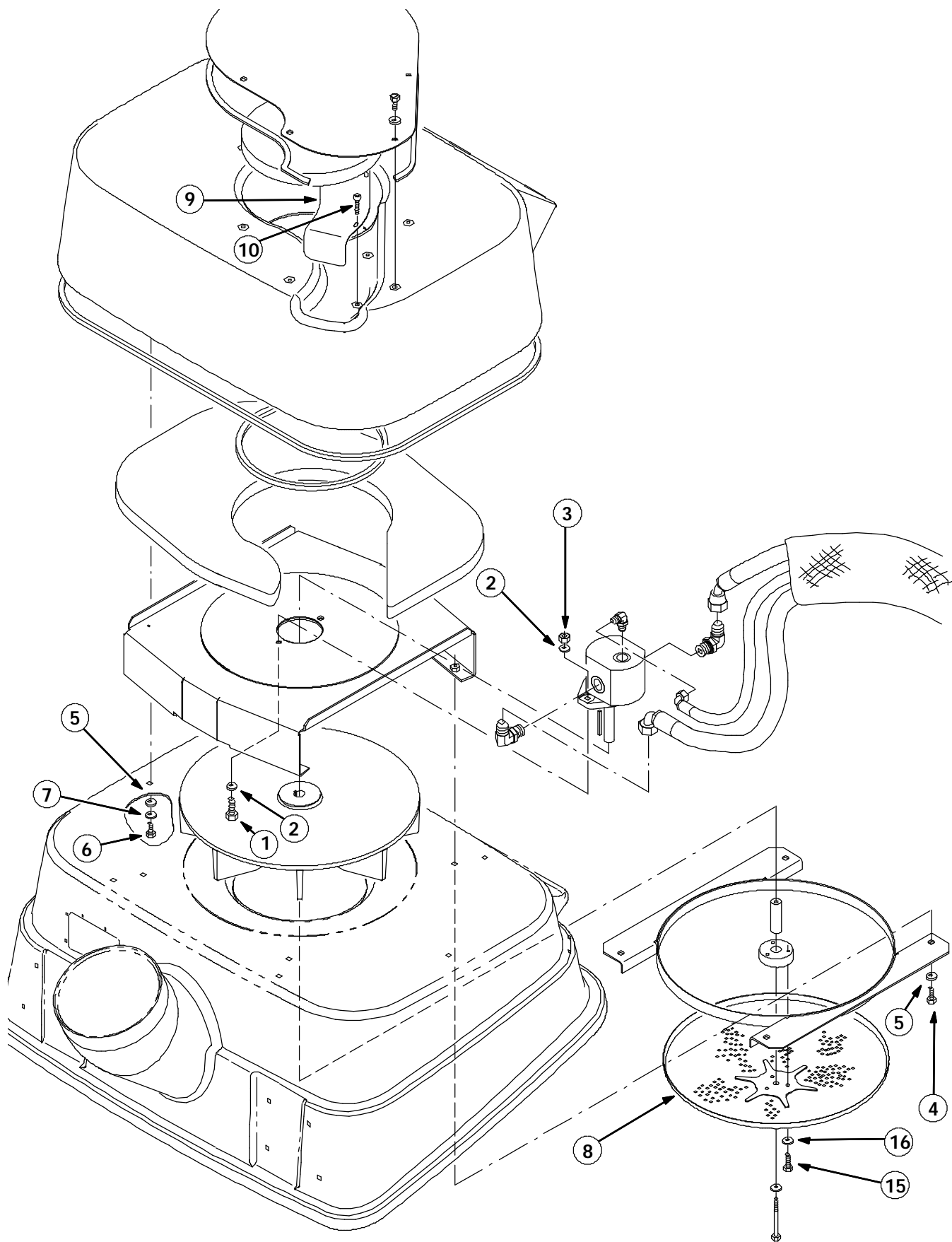


FIG. 1 VACUUM SCREEN ASSEMBLY INSTALLATION

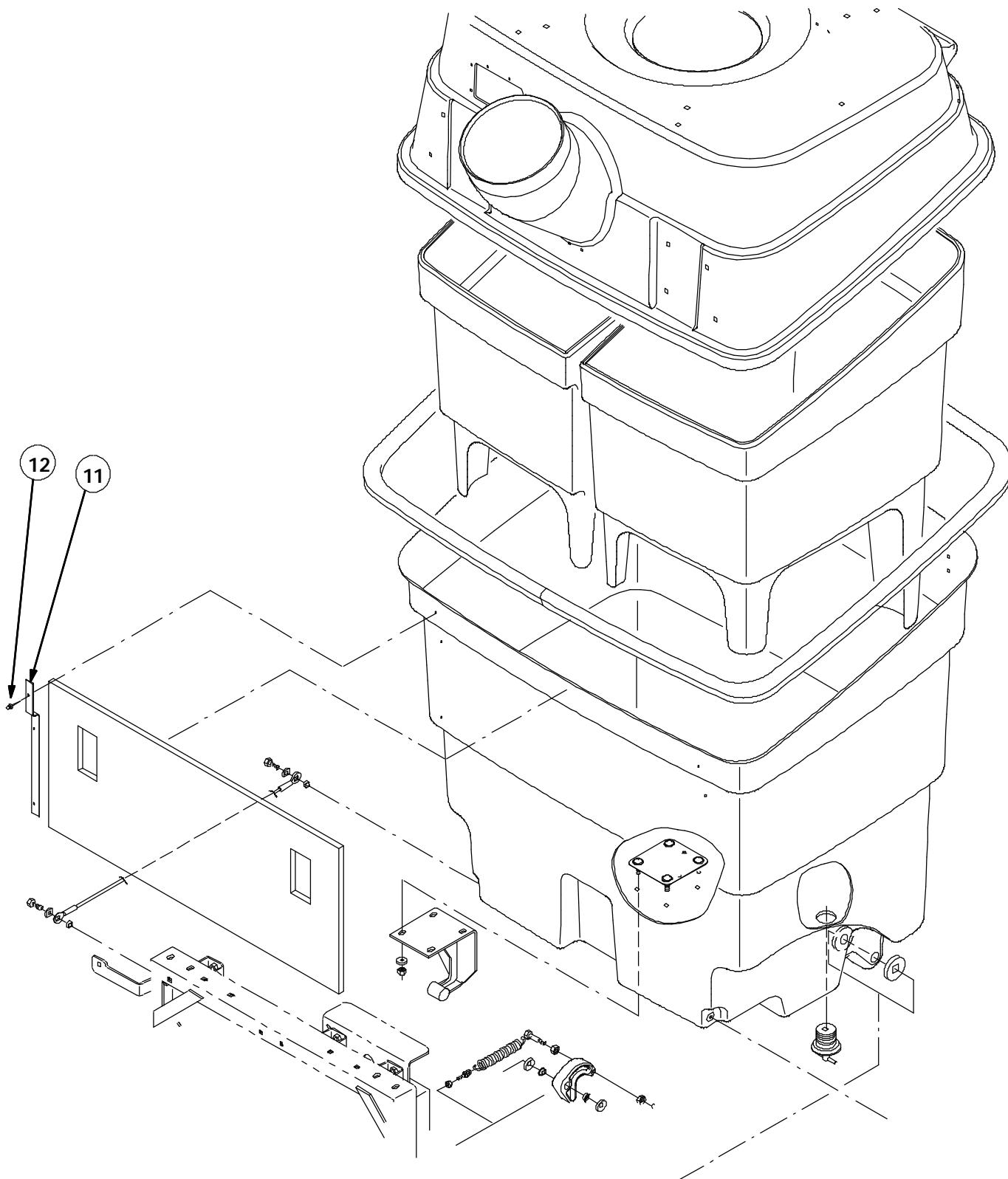


FIG. 2 SOUND FOAM RETAINER BRACKET INSTALLATION

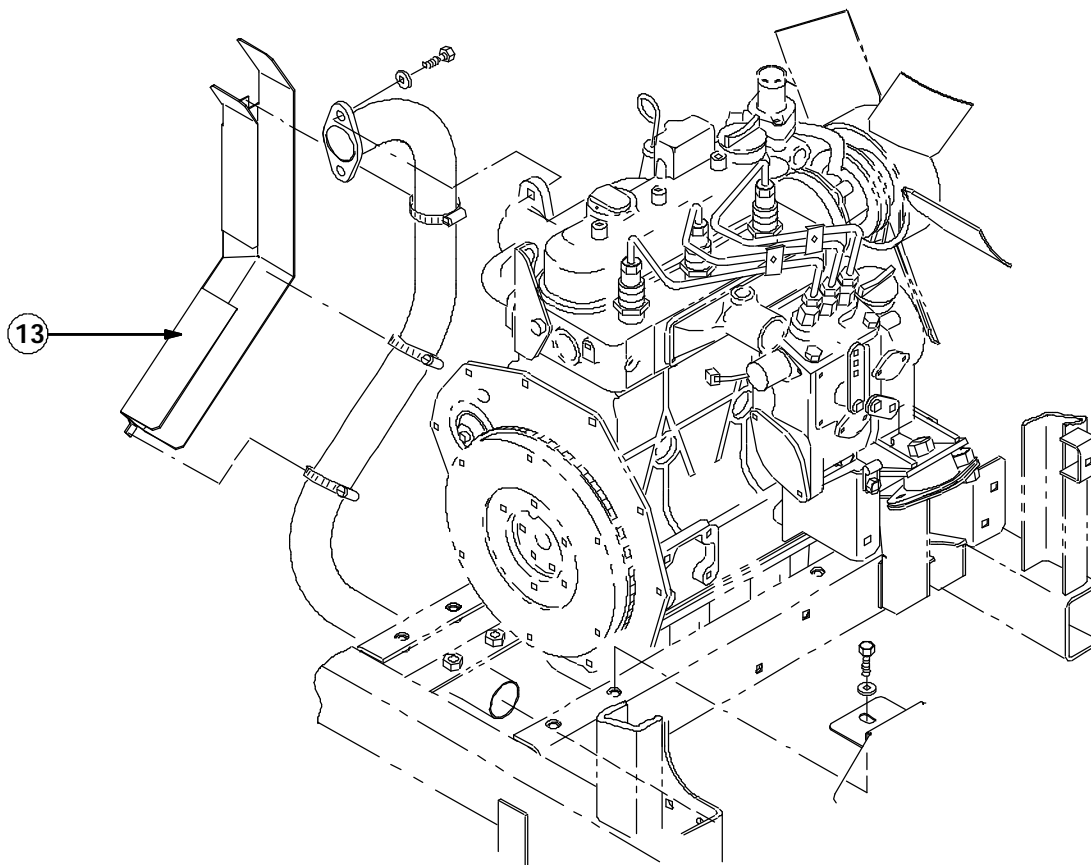


FIG. 3 EXHAUST PIPE HEAT SHIELD INSTALLATION

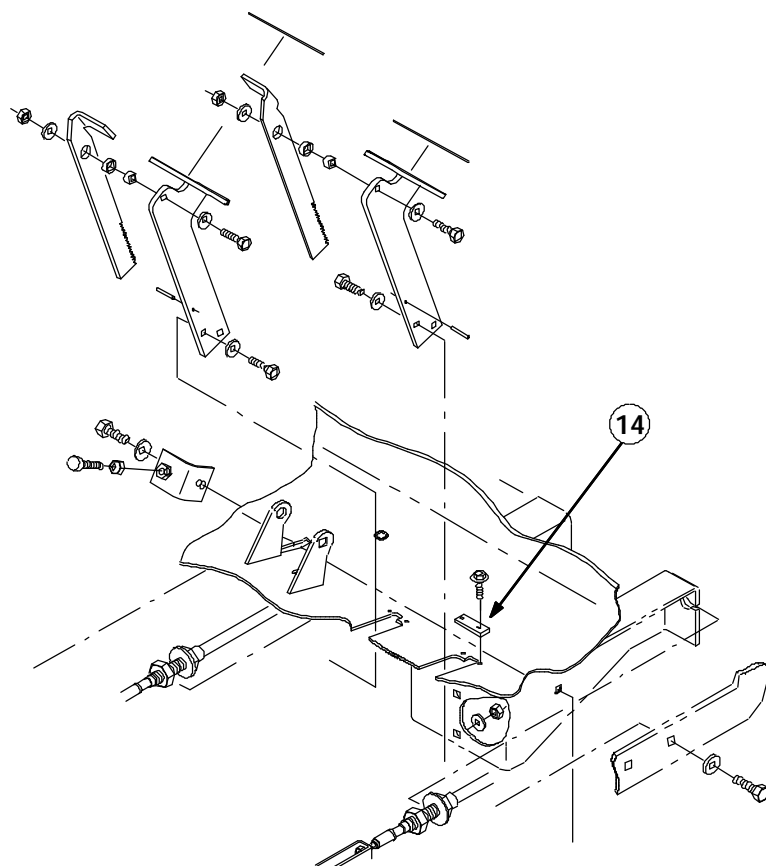


FIG. 4 NEW BRAKE PLATE INSTALLATION

BILL OF MATERIALS FOR REPLACEMENT SCREEN KIT 368191

Ref.	TENNANT Part No.	Description	Qty.
1	368176	Hex bolts, M10 X 35	2
2	32485	Washers, .38 SAE	4
3	41430	Nut, nyloc M10	2
4	39277	Hex bolts, M8 X 25	4
5	32491	Washers, hard	10
6	16931	Hex bolts, M8 X 20	6
7	30013	Washers, fender	6
8	367993	Screen, Vac fan	1
9	368178	Shield, hose	1
10	360973	Screw	3
11	368177	Bracket, retainer	2
12	80218	rivet	6
13	368180	shield, heat, exhaust pipe	1
14	368188	plates, parking brake	2
15	06947	Hex bolts, M6 X 40 stnlss	3
16	32483	Washer, sae .25	3
17	368189	Label	1

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