

Hamsar Back Up Alarm #51008

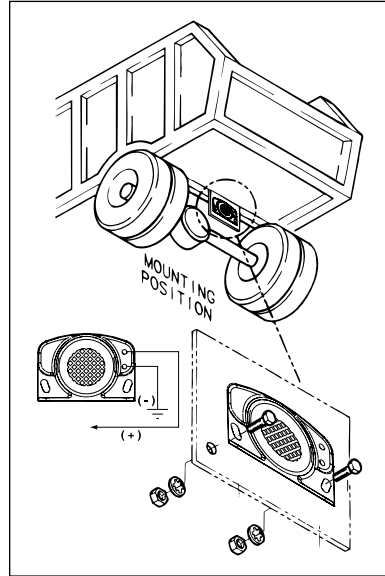
Installation Instructions

IS98
Rev. 0
Sept/07

Caution! Back Up Alarm should be louder than surrounding noise level. Please check local codes and regulations to ensure compliance.

General Instructions:

- 1) Read all instructions before installing.
- 2) Disconnect battery before installing.
- 3) Do not mount back up alarm near exhaust system or other sources of excessive heat.
- 4) Do not mount the back up alarm where it can be damaged by backing the vehicle into an obstacle.
- 5) Do not mount the back up alarm inside an enclosed area as the sound level will be greatly reduced.
- 6) Mount back up alarm in a vertical position and as high as possible above ground, centered between rear wheels and facing towards the rear of the vehicle as shown in drawing.
- 7) Using back up alarm as a template, mark, center punch and drill 2 3/16" holes for #10 screws. Use 2 #10 screws, lock washers and nuts (not provided) to secure back up alarm to vehicle.
- 9) Consult the wiring instructions below when connecting the circuitry.
- 10) This back up alarm should be tested daily. Results should be recorded in the vehicles maintenance file.
- 11) Attach warning sticker (provided) to dashboard in full view of operator.



Wiring Instructions:

A) Negative Ground Vehicles:

Connect a ground wire c/w #8 ring terminal to the (-) ground terminal. Remove #8 nut and star washer, insert wire ring terminal, then insert star washer and secure connection with #8-32 nut. Use a socket and tighten nut. Do not over-torque or strip thread.

or

Using the alarm metal grounding bracket, secure the alarm to the electrical ground bracketry with the #10 mounting hardware. Connect the positive reverse wire c/w #8 ring terminal to (+) terminal.

B) Positive Ground Vehicles:

Connect the (+) ground lead wire c/w #8 ring terminal to the (+) terminal of the alarm. Remove / do not use the alarm grounding bracket. Connect the (-) reverse lead wire c/w #8 ring terminal to the (-) terminal of the alarm.

C) Connect to 12-24 Vdc. source only.

D) Use 16 ga. or larger wire for electrical connections.

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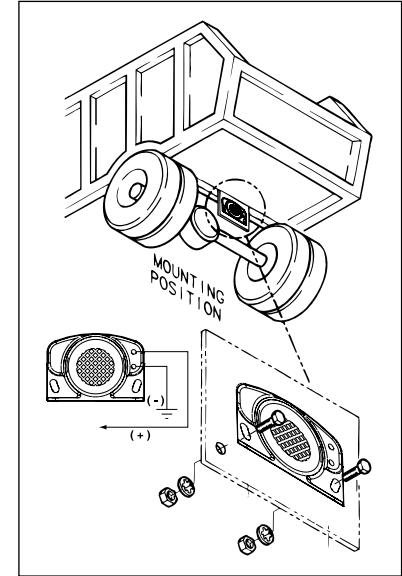
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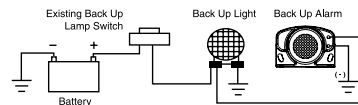
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B) Positive Ground Vehicles:

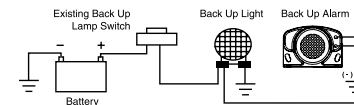
Connect the (+) ground lead wire c/w #8 ring terminal to the (+) terminal of the alarm. Remove / do not use the alarm grounding bracket. Connect the (-) reverse lead wire c/w #8 ring terminal to the (-) terminal of the alarm.

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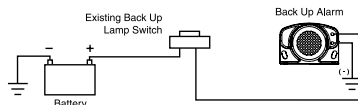
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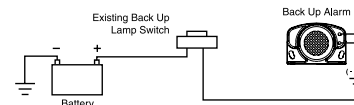
Vehicles equipped with back up lights, connect alarm to back up light circuit as shown to left.



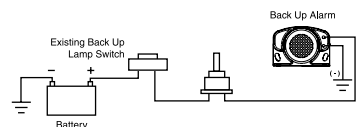
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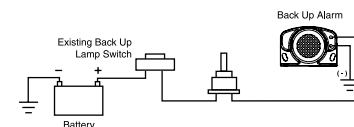
Vehicles equipped with back up switch only, connect the alarm directly to back up switch as shown to left.



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Vehicles without facilities for back up light circuit, use external switch. Switch should be activated when the transmission is placed in reverse.



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Hamsar Back Up Alarms

Typical Applications & Specifications

Part Number	Typical Use	Specifications	Fig. #
51008	Utility Trailers	Operating Voltage	12-24 Vdc.
	Pick Ups	Operating Current	350 mA max.
	Highway Trailers	dB Rating	97 +/- 4db
	School Buses	Operational Temperature	-40 to 85 C
	Wreckers	Weight	8 oz.

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Figure A

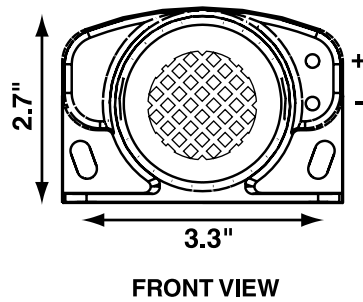
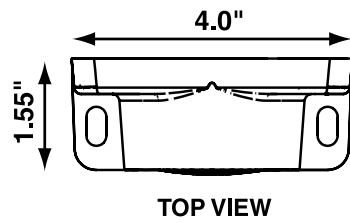


Figure A

