

BREAK SAFE SERIES 5000 AND 5000XP ELECTRIC BRAKE BREAK - AWAY SYSTEM

INTRODUCTION

The Breaksafe Break-Away system is designed to apply the trailer brakes and brake lights if the trailer is accidentally separated from the tow vehicle. The system has a built in battery that can be charged from the tow vehicle's auxiliary line or by a battery charger. The easy to operate test button is used to indicate the level of charge in the battery. This should be checked before the trailer is towed. Please ensure that you select the correct model for your requirements

Series 5000 to suit 2 and 4 wheel trailer brakes.

Series 5000XP to suit 6 wheel trailer brakes.

WARNING

The Breaksafe should be mounted internally but can be mounted externally if necessary although the Breaksafe is not waterproof and should have a rain and splash cover if it is mounted externally. The mounted position of the Breaksafe should be determined by the installer in conjunction with the vehicle owner's preference. When mounting inside the vehicle, choose a position where air can circulate around the box. Do not position the box where articles can be stored against it as they may activate the test button.

TEST BUTTON

Use the test button to test the condition of the built-in battery. This should be checked each time the trailer is used. Depress the button momentarily and check the battery level lights. The test button will also energise the trailer brakes and brake lights.

GREEN - Battery normal .

RED - Battery low (charge before use).

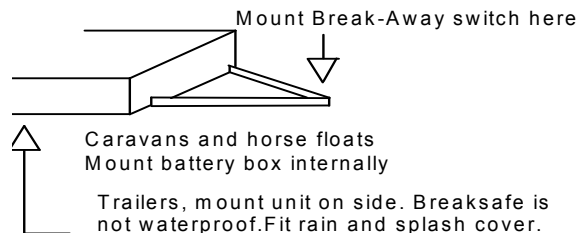
NO LIGHT - Battery flat, charge before use or replace battery.

READ INSTALLATION INSTRUCTIONS CAREFULLY

All Breaksafe wires must be connected for correct operation of Breaksafe unit

WIRING

BLACK 12 volt tow vehicle auxiliary line
RED Stop light circuit.
WHITE Earth return from trailer brakes.
BLUE Positive supply to trailer brakes.
ORANGE Both wires to Break-Away switch



CHARGING

Charging of the Breaksafe battery can be done via the tow vehicle auxiliary line (Breaksafe black wire) or by connecting a small battery charger (8 amps maximum) to the red and black terminals on the front of the Breaksafe box. The orange charge light next to the red terminal will illuminate when the Breaksafe battery is connected to 12 volts for charging. The charging system in the Breaksafe unit is a trickle charge circuit only and it may take several hours for the battery to fully recharge.

TESTING

Disconnect the trailer plug from the tow vehicle. Pull the Breakaway pin from the breakaway switch attached to the A frame. The **electric brakes** and **brake lights** of the trailer should immediately activate and the battery level light should illuminate. The brakes will release when the pin is replaced in the swit

PLEASE PASS THESE INSTRUCTIONS ON TO OWNER

BREAK SAFE SERIES 5000 AND 5000XP

NOTE* ATTACH THE BREAKAWAY CABLE TO THE REAR OF THE TOW VEHICLE USING A SECURE ANCHOR POINT. DO NOT HOOK CABLE TO TOW BALL OR SAFETY CHAIN ANCHOR.

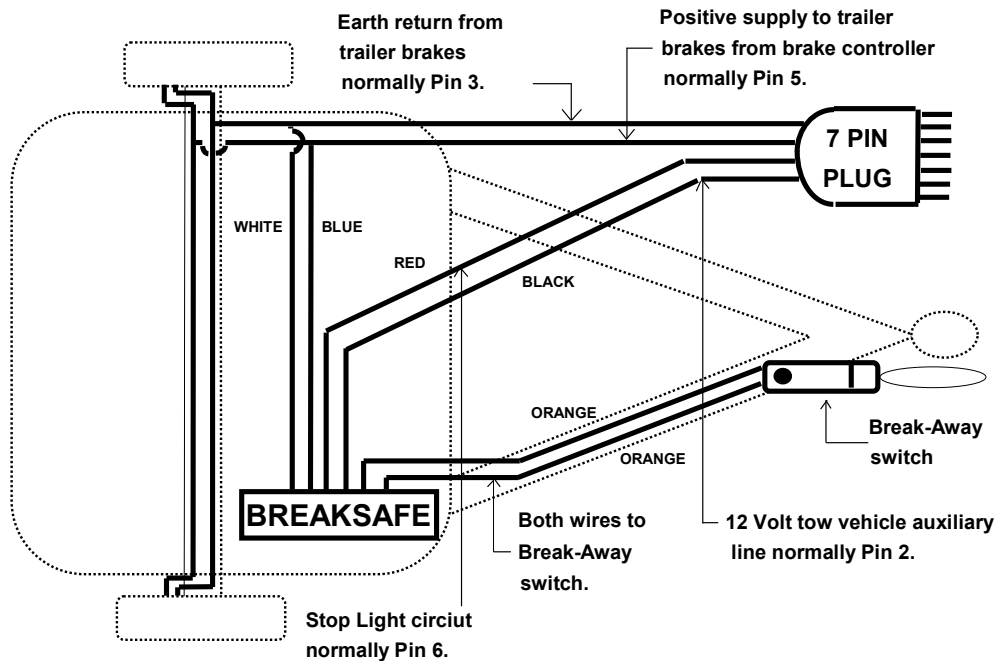
THE BREAKSAFE UNIT IS PROTECTED BY 2 INTERNAL FUSES. IF THE UNIT FAILS TO OPERATE, PLEASE CHECK THE FUSES FIRST.

REPLACEMENT FUSES ARE AS FOLLOWS:

**ELECTRIC BRAKE FUSE - TO SUIT SERIES 5000 2 & 4 WHEEL ELECTRIC BRAKES - 20AMP
- TO SUIT SERIES 5000 XP 6 WHEEL ELECTRIC BRAKES - 25AMP**

BRAKE LIGHT FUSE - TO SUIT ALL MODELS - 15AMP

WIRING DIAGRAM



TROUBLESHOOTING

Charge light NOT ON when the trailer is connected with the tow vehicle.	Check tow vehicle's auxiliary line. The red and black terminals on the front of the Breaksafe unit should be live when auxiliary power is connected.
BUZZING NOISE from Break-Safe when the test button is pressed or the Break-Away pin is pulled.	Battery is dead flat or there is a short circuit in the trailer's electric brakes which has blown the Breaksafe internal fuse. Charge battery and check internal fuses and replace as necessary.
Electric brakes &/or brake lights do not activate when test button is pressed or breakaway pin is pulled.	Check battery level and check internal fuses.
Battery level test lights remain ON.	Break-away pin not fully inserted into break-away switch.

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