



Bulletin Number:	TB0001
Issue Date:	July 7, 2006
Issuing Facility:	Tekonsha, Michigan

TECH BULLETIN

Technical Service Bulletin
Breakaway Switch Recall
Campaign June 2006
NHTSA Recall No. 06E-054

This information is being provided to supplement our Dealer Notice Letter regarding the recall of certain Tekonsha breakaway switches listed below.

Included is the wiring diagram and instructions for mounting the replacement switch. Only those switches listed and denoted in the pictured illustration are subject to recall, replacement, and labor claims.

Claims

Claims **must** be accompanied by the switch and documented with labor charges or claims.

Information Required

All claims must include customer information, dealer, distributor, and or OEM names and addresses.

Please contact Cequent™ Performance Products Customer Service or your Sales Representative for additional information and details on pricing.

Cequent Electrical Products • 101 Spires Parkway • Tekonsha, MI 49092 • (800) 325-5860 • Fax (517) 767-4707
Cequent Trailer Products • P.O. Box 8, 1050 Indianhead Drive • Mosinee, WI 54455 • (715) 693-1700 • Fax (715) 693-1799
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Affected model numbers (all will be marked “Model 2010” ***without the suffix*** on the switch):

2010-23, 2010-ATK, 2010-B-PRIME, 2010-B125, 2010-B125-B, 2010-B125-BG, 2010-NAPA-S, 2010-P and 2010-S-BSI

Important note: If you ordered Bargman Breakaway Switch No. 50-85-007 during the period **May 31, 2006 through June 7, 2006**, please note that one of the above-listed Tekonsha part numbers may have been shipped as a substitute.

The subject switches may also be packaged in the following breakaway kit numbers:

20005, 20005-BSI, 20005-NAPA
20010, 20010-BSI, 20010-NAPA, 20010-PRIM
20015, 20015-BG, 20015-BSI, 20015-NAPA
20020, 20020-BSI, 20020-NAPA
2026, 2026-BSI, 2026-LB, 2026-NAPA, 2026-PRIM,
2028, 2028-23, 2028-BG, 2028-NAPA

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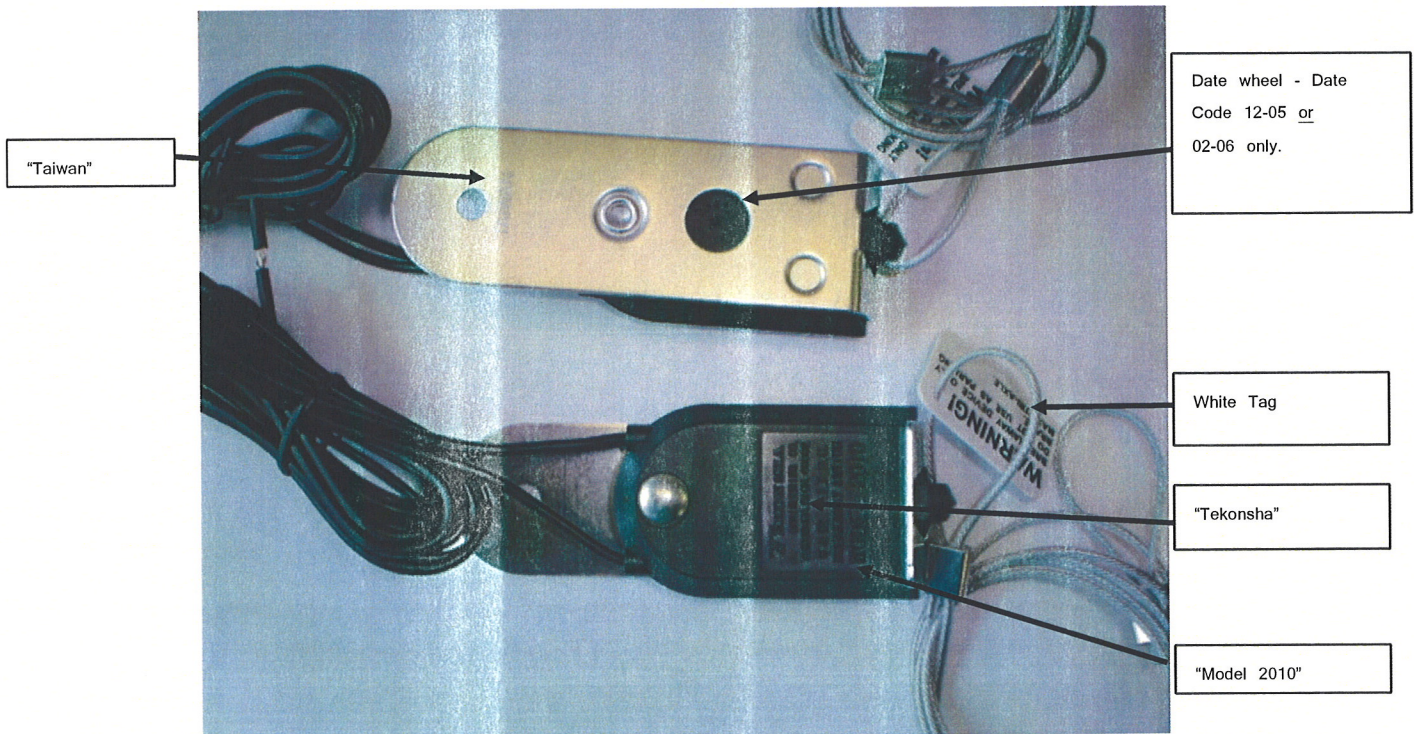
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MODEL 2010 - Identifying Features of Defective Units

- White Tag
- Taiwan stamped on bracket
- Date code wheel shows 12-05 or 02-06



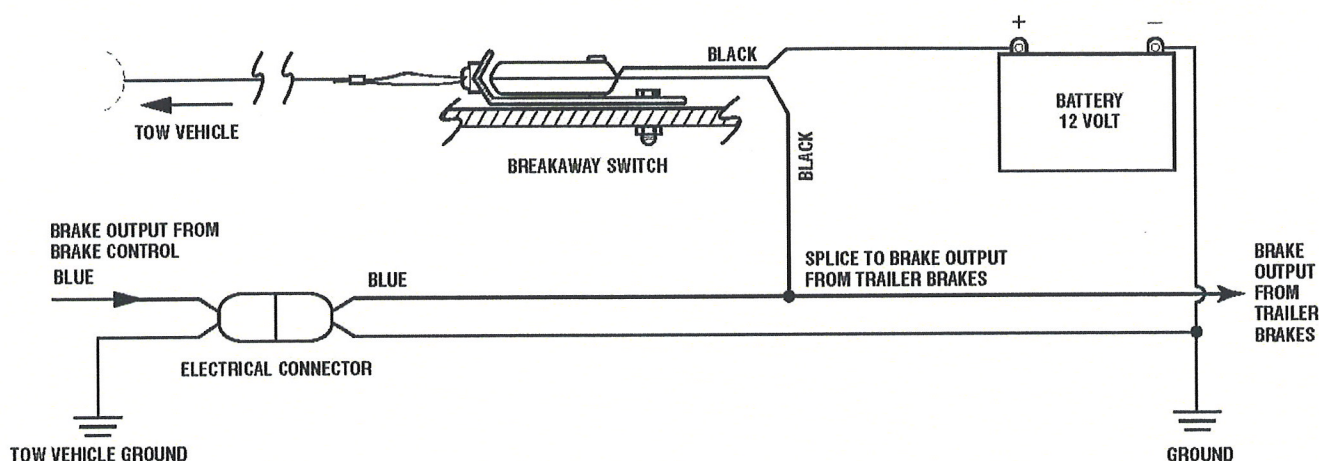
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Breakaway Switch Installation Instructions



READ THIS FIRST:

Read and follow all instructions carefully before installing or operating the Breakaway Switch. Keep these instructions for future reference.

Important Facts to Remember

1. **ATTENTION INSTALLER:** Please give this sheet to consumer upon completion of installation.
2. **SAFETY ITEM:** Solder all wire connections.
3. Check condition of battery prior to each trip.
4. **WARNING** Disconnect trailer plug before testing breakaway unit. Failure to do so will result in severe damage to electronic brake control.
5. **WARNING** Check your breakaway system periodically to insure that wiring and connections are secure. A short or an open circuit can result in a no-brake condition.
6. For optimal performance, it is recommended that breakaway devices be replaced every 3-5 years.
7. For Technical Assistance and Warranty Information call: 1-888-785-5832 or www.tekonsha.com

Installation Guide

1. Mount Battery Case securely to frame, jack post or other suitable location on trailer with Breakaway Switch Cable towards tow vehicle.
2. **WARNING** Switch location should be selected to ensure unobstructed line of pull in event of vehicle separation.
3. Bolt breakaway switch bracket to frame of trailer or battery case bracket using 1/4" bolt and lock nut or (2) 1/4" jam nuts. (Bolt and nuts not included in kit.)
4. **WARNING** Do not over tighten bolt. Switch must be able to pivot.
5. Check and install battery.
6. Wire per schematic. Properly insulate all connections.
7. Attaching to tow vehicle: Attach Breakaway Switch Cable to tow vehicle frame being certain the cable does not drag on the ground and no strain or restriction is placed on the cable.
8. **WARNING** Do not hook cable to safety chain loop or hitch ball.

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ABCD/Tow Charger/12 Volt Lead-Acid Battery Instructions and Installation

READ THIS FIRST:

Check condition of battery prior to installation and prior to each trip.

1. Remove Charger and Battery from the battery case.
2. Mount battery case securely to frame, jack post or other suitable location on trailer.
3. Bolt Breakaway Switch* to frame of trailer or battery case bracket.
4. Install battery and charger into the battery case. Feed wires out the back, then close the top.
5. Wire per schematic diagram. Properly insulate all connections.
6. For Technical Assistance and Warranty Information call: 1-888-785-5832 or www.tekonsha.com

6. Provide adequate air circulation when charging battery. Do not charge battery in any other container besides the supplied battery box.
7. **CAUTION** Do not place batteries in close proximity to objects which can produce sparks or flames.
8. Do not expose battery case to organic solvents or adhesives.
9. **CAUTION** Do not attempt to disassemble batteries. Contact with sulfuric acid may cause harm.
10. **CAUTION** Fasten batteries tightly and make provisions for shock absorption if exposure to shock or vibration is likely.
11. **WARNING** Do not throw batteries into fire; batteries so disposed may rupture or explode.

Battery Data Chart

- 12 VOLT
- 4 amp/hr – max discharge current 20 hr. rate = 225 mA
- 5 amp/hr – max discharge current 20 hr. rate = 250 mA
- Maximum Discharge Current = 40 amps
- Maximum charge current must be limited to 1.2 amps
- Length = 3.54" Width = 2.76" Height = 4.13"
- Weight = 3.8 lbs
- Terminals: Fasten Tab .187" x .032"
- Service Life:
Under normal operating conditions, 4-5 years in standby applications or 200-1000 charge/discharge cycles depending upon depth of discharge and rate of charge.

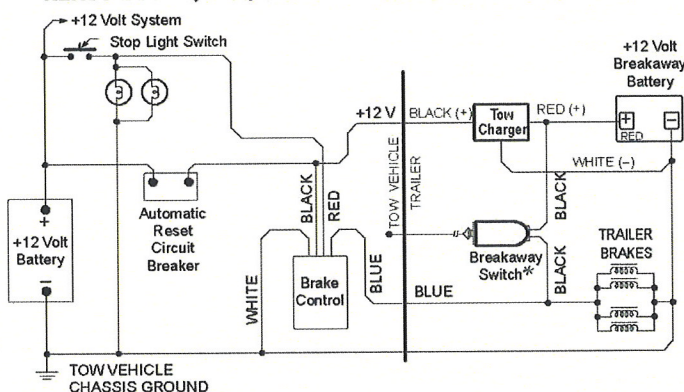
Important Facts to Remember

1. **CAUTION** Improper installation of the breakaway battery will destroy the brake control. The negative (-) terminal must attach to ground and positive (+) terminal must attach to the breakaway switch.
2. **WARNING** Check your Breakaway System* periodically to insure that wiring and connections are secure. A short or an open circuit can result in a no-brake condition.
3. If excessive discharging of the breakaway battery occurs, check battery and recharge using a Heavy Duty Two Stage /Maintenance Charger. If using a commercial (AC to DC) make certain the 12 volt charge is limited to 1.2 amps or less.
4. If the secondary battery needs charging, current will be drawn from the tow vehicle's battery at anytime the tow vehicle is connected to the trailer. The most current which will be drawn is 1.2 amps.
5. To only charge the breakaway battery when vehicle is running, a battery isolator may be installed in the 12 volt supply line (BLACK wire for tow charger).

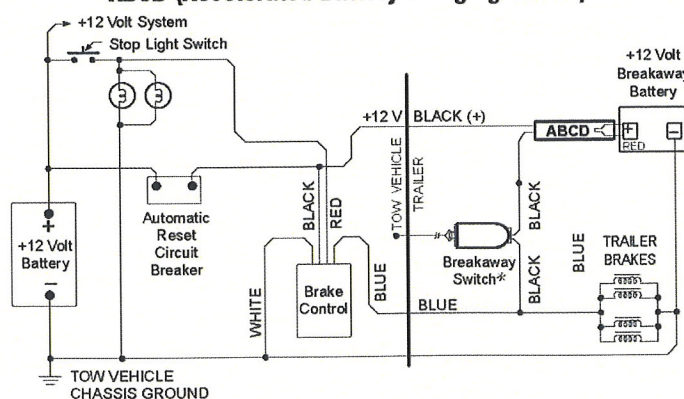
12 Volt Sealed Lead-Acid Battery To maximize the life of the battery the following conditions should be met:

1. Avoid over or undercharge. This is the single worst enemy of lead-acid batteries. Batteries should not be stored in a discharged state or at elevated ambient temperatures.
2. Avoid exposing batteries to heat! Service life is shortened considerably at ambient above 30°C (86°F).
3. Due to the characteristics of this battery, after six to nine months of storage, the battery should be recharged.
4. Charge the battery at the proper rate. Current should be limited to 1.2 amps or less.

HEAVY DUTY QUICK/MAINTENANCE TWO STAGE CHARGER



ABCD (Accelerated Battery Charging Device)



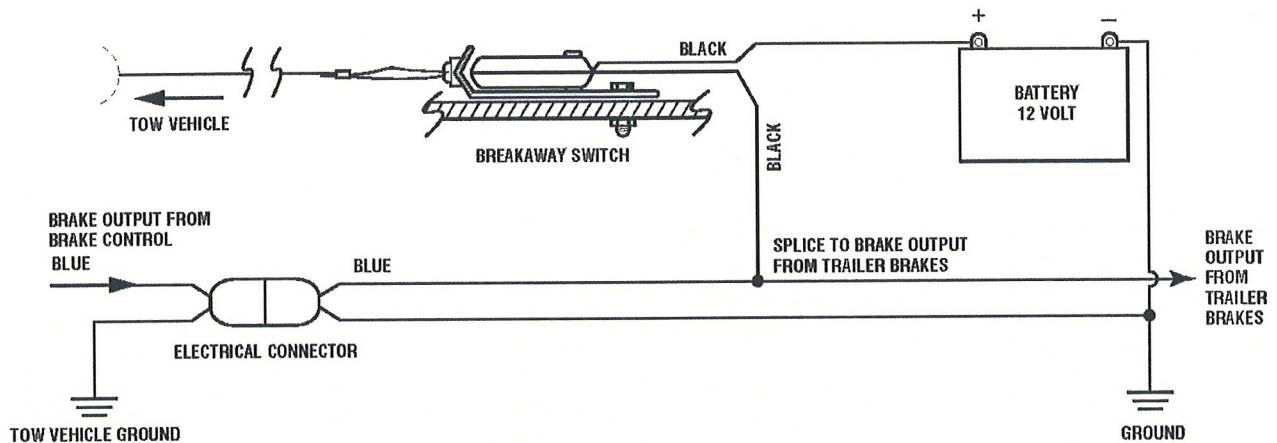
* Refer to Breakaway Switch Installation Instructions for complete operating instructions and cautionary statements.

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TECH BULLETIN

ABCD/Tow Charger/12 Volt Lead-Acid Battery Instructions and Installation (Continued)



BREAKAWAY SWITCH INSTALLATION INSTRUCTIONS

READ THIS FIRST:

Read and follow all instructions carefully before installing or operating the Breakaway Switch. Keep these instructions for future reference.

Important Facts to Remember

1. ATTENTION INSTALLER: Please give this sheet to consumer upon completion of installation.
2. SAFETY ITEM: Solder all wire connections.
3. Check condition of battery prior to each trip.
4. **WARNING** Disconnect trailer plug before testing breakaway unit. Failure to do so will result in severe damage to electronic brake control.
5. **WARNING** Check your breakaway system periodically to insure that wiring and connections are secure. A short or an open circuit can result in a no-brake condition.
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