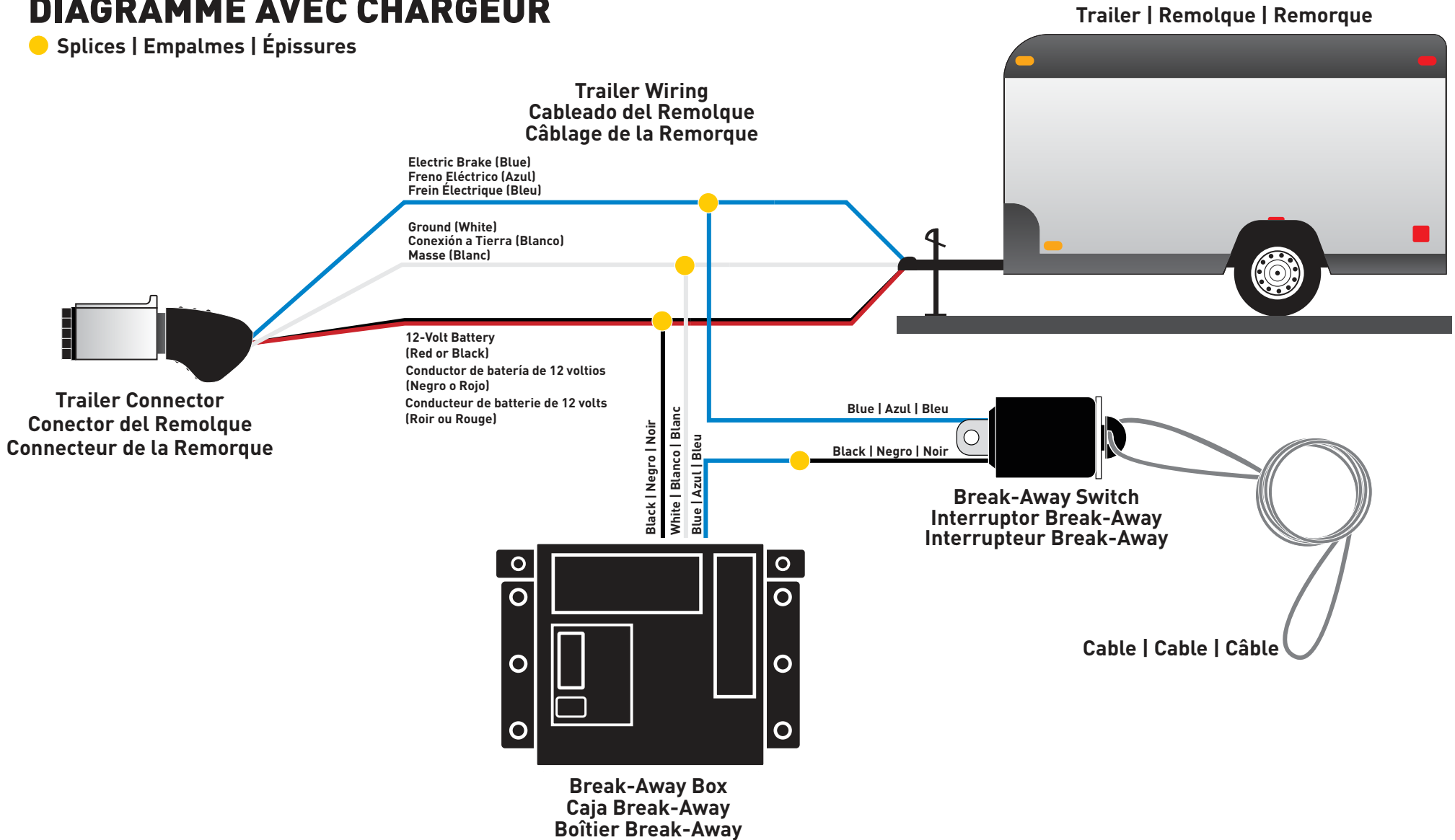


WIRING DIAGRAM WITH CHARGER DIAGRAMA CON EL CARGADOR DIAGRAMME AVEC CHARGEUR

● Splices | Empalmes | Épissures

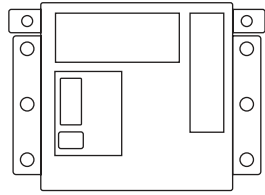




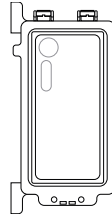
BREAK-AWAY SYSTEM INSTRUCTIONS

for 1 - 2 axle trailers

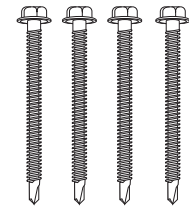
Make sure you have all parts before you start your installation.



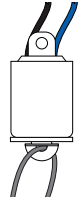
20099



20400



SELF-TAP SCREWS



BREAK-AWAY SWITCH

The following instructions must be precisely followed to ensure proper operations. Please read the following instructions thoroughly before installing this product.

The Engager™ Break-Away System is designed to bring trailers safely to a stop by activating electric brakes, should a trailer be disconnected while driving. This type of safety system is required in most states on trailers rated over 3,000 GVW. **Note: Contact your department of transportation for complete towing law information.** Your trailer must have operational electric brakes before installation. Once you determine your trailer brakes work, find a secure location on your trailer to mount the Break-Away Box.

UNIT MUST BE FULLY CHARGED BEFORE USE

- For models with push to test and battery status indicators: If the red light illuminates when the test button is pushed, the battery charge is low. **If the charge is low, connect the trailer plug to the tow vehicle so the Break-Away Kit can charge (This can only be done after kit is installed on trailer). The amber light will illuminate indicating the battery is charging. The battery should re-charge in about twenty minutes.**
- For models without push to test and battery status indicators: Check battery charge with a battery tester. **If charge is low, Connect the trailer plug to the tow vehicle so the Break-Away kit can charge (This can only be done after kit is installed on trailer).**

Mounting Instructions

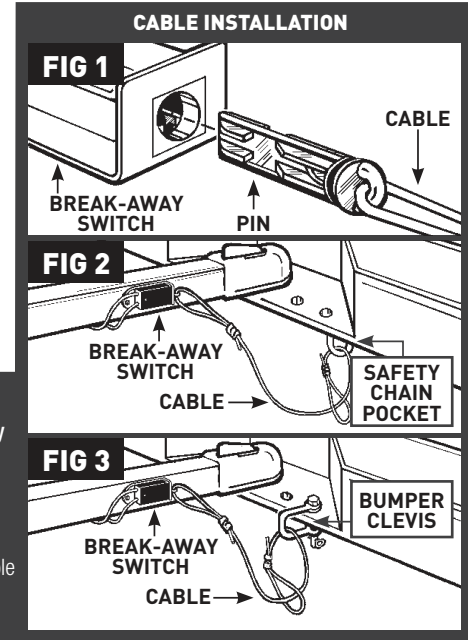
- Locate secure surface on trailer to mount Break-Away Kit.
- With flat washers on each screw, route through provided holes in each corner of the Break-Away kit plastic casing. Use screwdriver or drill and secure to trailer.

Wiring Installation **WIRING DIAGRAM ON BACK**

- Splice the blue wire of the Break-Away Switch to the electric brake wire coming from the trailer side connector
- Connect the black (labeled battery) wire of the Break-Away Switch to the blue wire (labeled brake) from the Break-Away Box
- Splice white wire from Break-Away Box to existing ground wire on trailer or ground directly to trailer frame
- Splice black wire on Break-Away Box to trailer 12-Volt auxiliary power lead. This will charge the Break-Away Battery when vehicle is in use. **NOTE: Some break-away systems do not have a black wire. These systems will require the battery be fully charged, by a trickle charger, before use.**

Break-Away Switch Setup

- Test unit by pulling firmly on cable of Break-Away Switch. Battery will activate brakes. **Note: Do not pull pin from the Break-Away switch if the trailer is electrically connected to the tow vehicle. This could result in damage to the tow vehicle.**
- Once tested, Break-Away Switch cable should be secured to vehicle bumper or frame. The cable can be attached many different ways. Two of the most common are: I. Pull the pin out of the Break-Away Switch (FIG 1) and route through safety chain pocket (FIG 2), then through cable loop and reconnect pin. II. Attach cable loop to a bumper clevis (FIG 3). Do not loop cable over hitch ball. Cable could bounce off while vehicle is moving. **Note: Pin must be facing the rear of the vehicle, directly behind the location of the cable on your vehicle. Anything else may cause Break-Away Switch failure.**



Additional Information for Model Numbers 20099, and 20400

- The trailer plug should be detached from the towing vehicle when using the push to test feature to test the Break-Away battery voltage level. Otherwise you will be testing the towing vehicle's battery.
- If the trailer is plugged into the tow vehicle, the yellow "Charging" light will always be on
- The LED assembly will only work with 12-volt batteries. The lower the battery voltage goes, the dimmer the LEDs will illuminate

YOUR TRAILER MUST HAVE OPERATIONAL ELECTRICAL BRAKES TO USE THIS PRODUCT