

SUPER AUTO EJECT

AUTOMATIC SHORE LINE DISCONNECT



1 YEAR WARRANTY

Made in U.S.A. by
KUSSMAUL ELECTRONICS CO., INC.
Distributed in Europe by
LUDO MCGURK TRANSPORT EQUIPMENT LTD
WILMSLOW - U.K.



LUDO MCGURK TRANSPORT EQUIPMENT LTD
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FAX: +44 1625 549 929
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CAUTION

The Auto Eject must be connected to the starter circuit so that the solenoid is energized only while the engine is cranking. If the solenoid is energized continuously it will OVERHEAT and BURN OUT.

**FAILURE TO FOLLOW THIS CAUTION
NOTE WILL VOID THE
WARRANTY**



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INSTALLATION

1. Locate a convenient place on the vehicle to mount the AUTO EJECT. A minimum clearance of 75mm (3") behind the mounting panel is required. Position unit at or above average chest height for best visibility when connecting.
2. Place the template in position and center punch as shown in 5 places.
3. Drill 4 mounting holes, 3/16" (5mm) diameter and one, 1 3/4" (45mm) clearance hole for the AUTO EJECT.
4. On the 2 conductor cable the black wire is connected to the vehicle's ground and the white wire to the vehicle's starter. USE #16 GAUGE WIRE OR HEAVIER.
5. On the 3 conductor cable connect the Green/Yellow, Brown and Blue power wires to the a.c. accessories on the vehicle. You must incorporate a RCD device within the vehicle such as RCBO-XX from Ludo McGurk Transport Equipment Ltd.
6. Test installation by pushing mating connector into the AUTO EJECT. Energizing the starter should power the solenoid and eject the connector.
7. Keep connector and contacts of the AUTO EJECT clean. Clean and lubricate contacts monthly with "vaseline" to ensure free operation.
8. For increased electrical safety, connect to mains supply only through an AUTO-SAFE unit, see rear of this manual.



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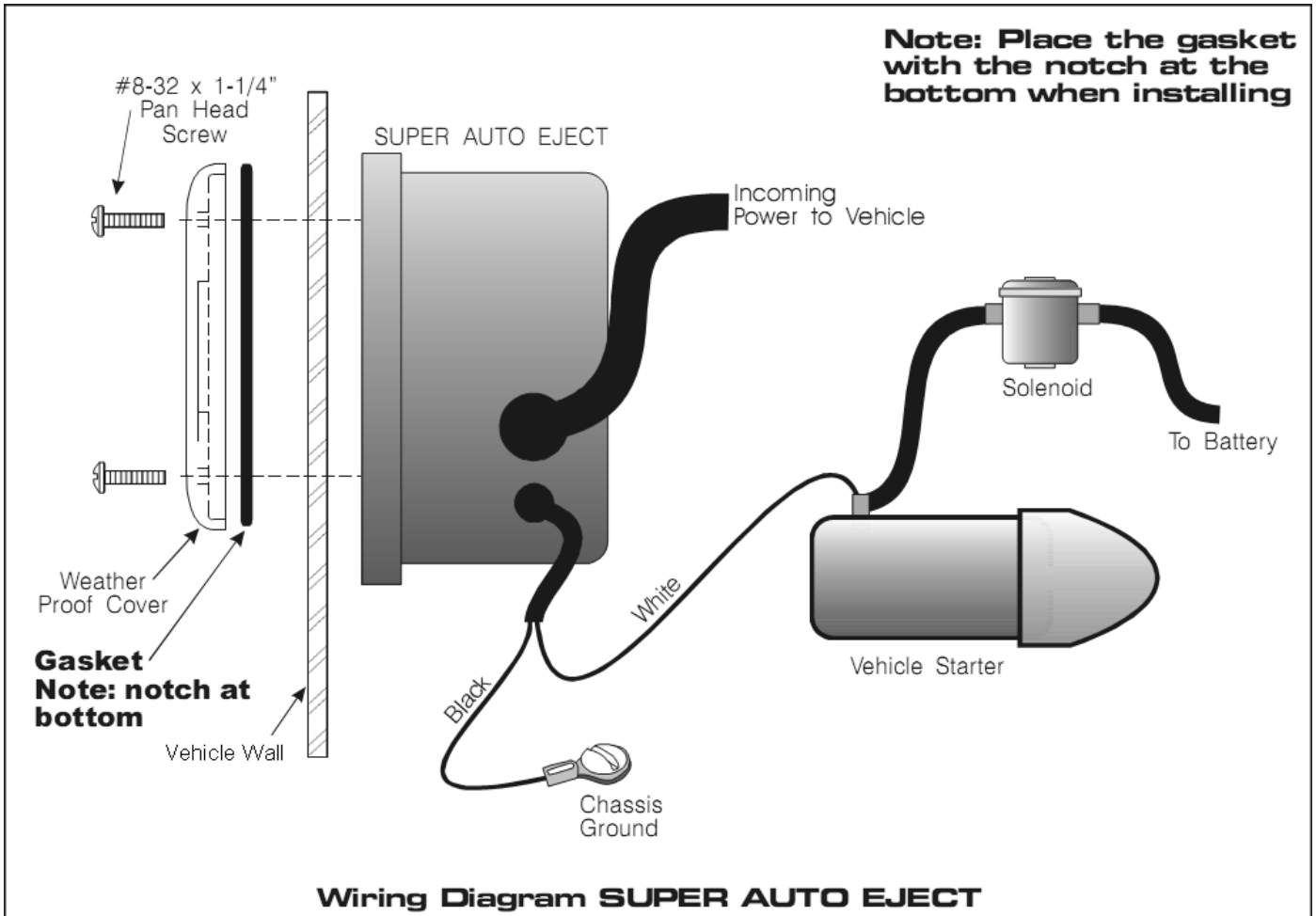
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INSTALLATION WIRING DIAGRAM



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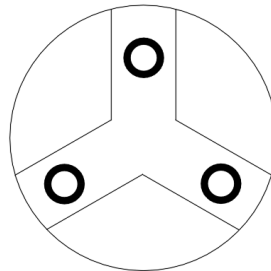
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MAINS POLARITY

When viewing the pins in the Auto-Eject receptacle, the top (round) pin is the “earth” pin. Of the flat pins below the earth pin, the right hand one is the “live” pin and the left hand one is the “neutral” pin. The cable connector should be wired to match this as shown below. When wired and **before connection to mains supply**, test for correct connection using a continuity device

CONNECTIONS INSIDE CABLE CONNECTOR

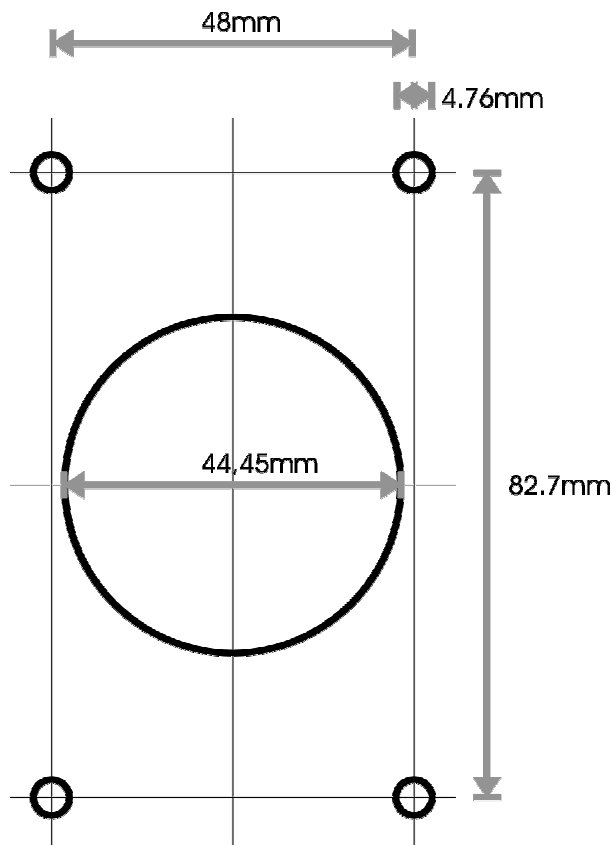
EARTH (GREEN SCREW)



NEUTRAL

LIVE

Note: USE ONLY CABLE CONNECTOR THAT IS SUPPLIED WITH THE AUTO EJECT
All connectors are not identical, using a substitute may result in unreliable operations or failure of the AUTO EJECT to operate.



ALWAYS VERIFY TEMPLATE BEFORE DRILLING USING AUTO-EJECT COVER



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INSTRUCTIONS FOR USE

SUPER 15 AUTO-EJECT ALL MODELS. 115v – 240v

To be supplied to the vehicle operator.

As with all electrical connectors and equipment the Auto-Eject should be used with care and respect; it is carrying high voltage which is always potentially hazardous.

The shore line should always be auto-ejected, thus removing the need for handling a live cable. Ideally it is used in conjunction with the wall-mounted **Auto-Safe** switch. This ensures that the shore-line is dead at all times when being handled.

To connect to the Auto-Eject, lift the weather flap and insert the shore-line connector, taking note that the round pin is at the top. On the connector there is a small black index pointing forwards. This should be facing upwards.

Push the connector firmly into the Auto-Eject receptacle until the eject pin latches, and there is no outward force remaining. The shore line is now connected.

The use of spring reels for shore lines should be avoided if possible. THE SHORE-LINE MUST NEVER BE UNDER TENSION WHILST CONNECTED; SEE DIAGRAM IN INSTRUCTION MANUAL.

If you are connecting a shore-line that is attached to a spring reel, pull the shore line towards you by the line itself. Do not pull by the connector on the end; this only serves to damage the wire connections inside it and will eventually pull the connector off the cable.

When the vehicle ignition key is turned to the engine cranking position, the Auto-Eject is energised and the connector is ejected.

The connector is not ejected with any great force, but it is wise to keep your face and other sensitive parts of your body clear.

DO'S & DON'TS

- **Don't** twist the connector when pushing it in – look at what you are doing.
- **Don't** pressure-wash the Auto-Eject – the cover is designed to keep the weather out, not hydraulic pressure.
- **Don't** push the connector in with undue force.
- **Do** lubricate the cover hinge and the receptacle pins periodically with Vaseline.
- **Do** check the connections in the line connector periodically. Isolate from mains supply before doing this.



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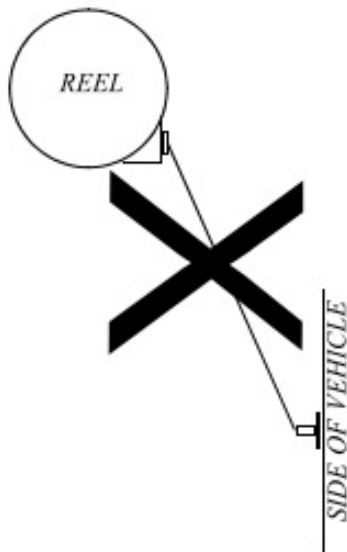
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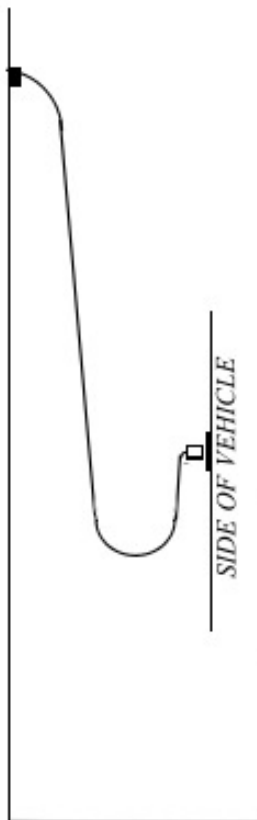
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INSTALLATION OF SUPPLY CABLE



WRONG INSTALLATION!

NO CABLE AND CONNECTOR SHOULD EVER BE UNDER TENSION LIKE THIS. IT WEARS THE CONNECTOR AND CAUSES DETERIORATION OF THE JOINT BETWEEN THE WIRES AND THEIR TERMINAL SCREWS. NOT RECOMMENDED!



CORRECT INSTALLATION

CABLE IS NOT UNDER ANY TENSION SO CONNECTOR IS IN CORRECT ALIGNMENT WITH RECEPTACLE ON VEHICLE. CABLE IS MADE UP SO THAT WHEN CONNECTOR IS EJECTED IT CANNOT QUITE REACH THE FLOOR, WHICH MAY FROM TIME TO TIME BE WET.

THE HIGHER THE POINT FROM WHICH THE CABLE IS HUNG, THE LESS ACCURATELY THE VEHICLE NEEDS TO BE PARKED.

WHEN SITING RECEPTACLE ON VEHICLE, MAKE SURE THAT OPERATOR WILL BE ABLE TO CLEARLY SEE TO PROPERLY ALIGN LINE CONNECTOR WITH MATING RECEPTACLE PINS. THIS WILL USUALLY MEAN MOUNTING THE UNIT AT OR BELOW EYE LEVEL.



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AUTO SAFE

THE ESTABLISHED HEALTH & SAFETY STANDARD FOR SHORE LINES TO STANDBY AND EMERGENCY VEHICLES



SAFE UNATTENDED MAINS CHARGING LINES - CANNOT RE-LATCH UNLESS CONNECTED TO VEHICLE

VERY EASY TO INSTALL

OPERATES OVER WIDE AMPERAGE SCALE

FULLY AUTOMATIC POWER DROP-OUT

INTEGRAL RCD & CIRCUIT BREAKER

RUGGED IP67 CASING

DUAL VOLTAGE 110V - 230V

32 AMP VERSION FOR "NEW DIMENSION" TRAILERS.

OPTIONAL ACCESSORIES

OUTLET SOCKET

The shore line to the vehicle is usually wired into the Auto Safe. In applications where the shoreline needs to be detached from the Auto Safe (i.e. marine applications), this outlet socket can be added to the unit.



ELECTRICITY METER

An electricity meter can be built into the Auto Safe, to measure the units used by each vehicle. This meter is also available as a standalone unit.

TEST TOOLS

LATCH TESTER

This product gives quick and positive testing of the Auto-Safe's latching function by skilled or unskilled personnel.



SOCKET AND WIRING TESTER

Checks for correct wiring of mains shore lines. Easy to use & speeds up installation. Also verifies continuity through Auto-Safe safety switch unit. Available in 110V & 230V



	MODEL 091-129B3	DUAL VOLTAGE
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The Model 091-129B3 No-Load Dropout Switch is a safety device designed to protect against electric shock from 110 volt and 230-volt mains shore lines when not in use.

Intended for use with the Auto-Eject and Eurochargers, the Auto-Safe makes the mains line go dead immediately upon ejection/disconnection from the vehicle.

The Auto-Safe cannot be re-set until the mains line is re-connected to the vehicle.

It has been developed particularly for standby vehicle and marine situations where mains shore lines may be left unattended.

091-129B3 with integral RCD & Circuit Breaker removes the necessity to install these extra items separately.

MODEL #	091-134-115-40	
VOLTAGE IN	115V	230V
CURRENT IN	40A MAX	
VOLTAGE OUT	AS INPUT	
CURRENT OUT	AS INPUT	
WEIGHT	1.72KG	
OUTLINE	-	



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WARRANTY

All products of Kussmaul Electronics Company Inc. & Ludo McGurk Transport Equipment Ltd. are warranted to be free of defects of material or workmanship. Liability is limited to repairing or replacing at our factory, without charge, any material or defects which become apparent in normal use within 3 years from the date the equipment was shipped. Equipment is to be returned; shipping charges prepaid and will be returned, after repair, shipping charges paid.

Kussmaul Electronics Company, Inc. & Ludo McGurk Transport Equipment Ltd shall have no liability for damages of any kind to associated equipment arising from the installation and /or use of the Kussmaul Electronics Company, Inc. & Ludo McGurk Transport Equipment Ltd products. The purchaser, by the acceptance of the equipment, assumes all liability for any damages, which may result from its installation, use or misuse, by the purchaser, his or its employees or others.



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