

FITTING INSTRUCTIONS

307001 - TROJAN ELECTRIC PARK LEG

IMPORTANT INFORMATION:

- Ensure that you have fully read and understood the contents of this Fitting Instruction before installing or using this product
- **WARNING: Improper installation or use of this product may result in property damage, serious injury, and/or death**
- Ensure that while installing or operating this product that any associated equipment (including the trailer on which this product is used) is secured and not free to move in any direction
- Ensure that the drawbar of the trailer is supported by appropriate safety stands during installation
- Never place your body underneath any supported loads
- Always wear appropriate protective clothing and use protective equipment suitable to the task being performed
- Mounting position on the trailer, trailer design and provision of appropriate supporting structure on the trailer remain the responsibility of the trailer manufacturer
- Consideration should be given to ground clearance requirements and any speed hump / ramp over clearance requirements when selecting a mounting position on your trailer
- Selection of appropriate upstream wiring (both towing vehicle and trailer), electrical connectors, fusing and/or circuit breakers remain the responsibility of the installer
- Route and protect all wiring in a manner that minimises the potential for stone damage, water ingress, corrosion and other sources of damage
- Ensure this product is fully retracted and the LED lights are switched off at all times while travelling
- Save these instructions with the product for use as a reference for any future installation and use of the product

SPECIFICATIONS:

WARNING: The following ratings and limits must never be exceeded

- Load capacity: 1575kg
- Supply voltage: 12VDC
- Maximum current draw: 25A
- Travel range: 430mm (Telescopic) plus an additional 114mm foot height adjustment (in 38mm increments)
- Fully retracted height: 240mm (ground to underside of mounting face)
- Fully extended height: 784mm (ground to underside of mounting face)
- Integral LED lights

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INSTALLATION:

BEFORE MOUNTING TO THE TRAILER

Included in the box with the park leg is a bag containing

- 1x white earth lead with ring terminal
- 4x ferrites
- 2x heat shrink tube

which need to be assembled to the park leg. It is recommended that this is done prior to the installation of the park leg on the trailer.

1. Clip 2x ferrites to the white earth wire as close as practical to the ring terminal (refer Figure 1).
2. Slide the supplied heat shrink tube over the ferrites and use a heat gun or similar to seal and secure the heat shrink tube in place.
3. Using a 6mm Allen key, remove one of the main body socket head cap screws (refer Figure 2). Take the split washer and serrated washer off the cap screw.
4. Place the white earth wire ring terminal over the cap screw, followed by the split washer then the serrated washer. Reinstall the cap screw.
5. Clip 2x ferrites to the black power wire as close as practical to where the wire exits the fuse body (refer Figure 3).
6. Slide the supplied heat shrink tube over the ferrites and use a heat gun or similar to seal and secure the heat shrink tube in place.



Figure 1



Figure 2



Figure 3

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INSTALLATION:

MOUNTING TO THE TRAILER

1. Apply the trailer brakes and/or chock the trailer wheels such that the trailer is immobile.
2. Support the trailer drawbar with appropriate safety stands at a height suitable for installation of the park leg.
3. Select a suitable park leg mounting location on the drawbar which is clear of any other equipment and which will not impede operation of the park leg. The location selected should consider ground clearance requirements and any speed hump / ramp over clearance requirements while travelling.
4. The trailer manufacturer must provide a mounting structure at the selected mounting location that is of sufficient strength and durability for the park leg application. The mounting structure shall incorporate the hole pattern shown in Figure 4 with adequate flat surface to accommodate the mounting flange on the park leg. The hole pattern needs to be oriented as shown with respect to the front of the trailer.

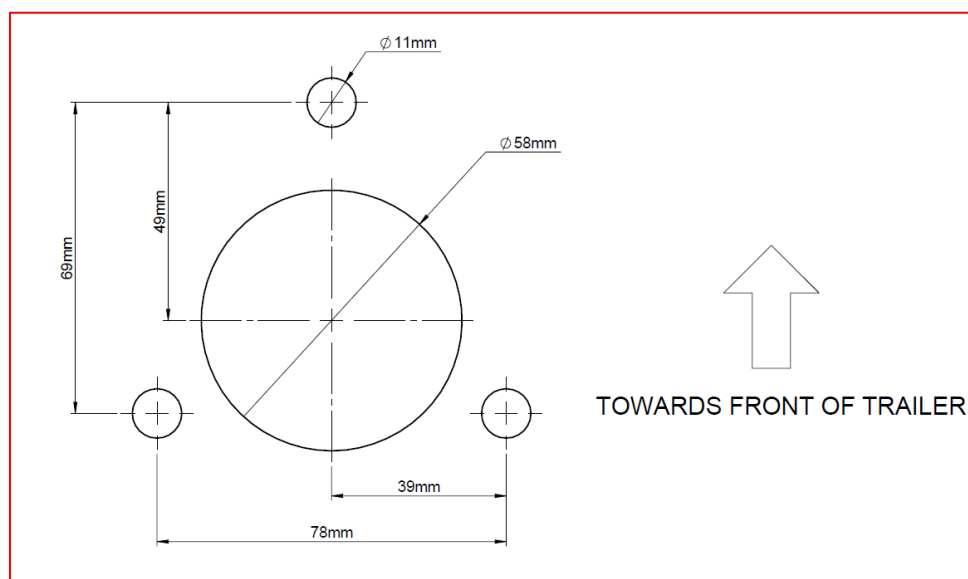


Figure 4

5. Remove the lower foot of the park leg from the lower tube by removing the lynch pin.
6. Lower the park leg tube through the 58mm diameter hole in the mounting structure and align the mounting holes with the 11mm holes.
7. It is recommended that either of the following fastener combinations are used to secure the park leg to the mounting structure via the 11mm holes
 - 3 x non-lubricated zinc plated M10x1.5 Class 8.8 bolts, flat washers, Class 8 nuts torqued to 50Nm
 - 3 x non-lubricated zinc plated 7/16" UNC (14 TPI) Grade 5 bolts, flat washers, Grade 5 nuts torqued to 65Nm

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8. Refit the lower foot of the park leg in the desired height setting. Ensure that the lynch pin provided is fully inserted through both the lower leg and the lower foot and that the retaining clip is securely latched in place.

INSTALLATION:

ELECTRICAL CONNECTION

1. Connect the white earth wire to the earth return circuit or a suitable earthing point. 6mm² minimum circuit wire size recommended.
2. Connect the black power wire to the power feed, ensuring that there is adequate upstream circuit protection (30A fuse / circuit breaker recommended). 6mm² minimum circuit wire size recommended.

OPERATION (ELECTRICAL):

1. Before operating the park leg, ensure that the lower foot is secured at the desired height setting in the lower leg by the lynch pin, and the lynch pin retaining clip is securely latched in place.
2. The toggle switch located underneath the motor housing is used to operate the park leg
 - Extend the leg by holding the toggle switch in the extend position
 - Retract the leg by holding the toggle switch in the retract position
3. As the leg approaches the limits of travel, it will slow down and then stop. The toggle switch should be released at the first indication of slowing down.
4. The motor in the park leg is intended for short term intermittent operation only. If the motor protection trips, it is recommended that a minimum 15 seconds elapses before attempting to operate the park leg again.
5. The LED lights can be operated via the red switch on the housing on the opposite side to the motor.
6. Ensure that the park leg is fully retracted before driving the vehicle and trailer.

OPERATION (MANUAL CRANK):

1. Disconnect the park leg from the electrical power supply.
2. Remove the plug cap from the access hole located top centre of the housing cover.
3. Insert the drive end of the supplied crank handle through the access hole and engage it with the flats on the park leg main shaft.
4. Rotate the crank handle clockwise to retract or counter clockwise to extend the park leg.
5. When finished, remove the crank handle, replace the plug cap, and re-connect the power supply.