Part Number: PT725-34140

Kit Contents

Item #	Quantity Reqd.	Description
1	1	7/4 Way Tow Connector

Hardware Bag Contents

Item #	Quantity Reqd.	Description

Additional Items Required for Installation

Item #	Quantity Reqd.	Description

Conflicts

General Applicability

All V8 and V6 engine models with steel bumpers, without factory tow package

Recommended Sequence of Application

Item #	Accessory
1	Trailer Hitch

Recommended Tools

Personal & Vehicle Protection	**Notes**
Safety Glasses	
Special Tools	**Notes**
L.E.D. Tester – 4-pin	SST 00002-62195
L.E.D. Tester – 7-pin	TEKONSHA Part Number - 6562
Installation Tools	**Notes**
10 mm socket	Tool required to connect battery
Special Chemicals	**Notes**

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description

Legend

STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.

OPERATOR SAFETY: Use caution to avoid risk of injury.

CAUTION: A process that must be carefully observed in order to reduce the risk of damage to the accessory/vehicle and to ensure a quality installation.

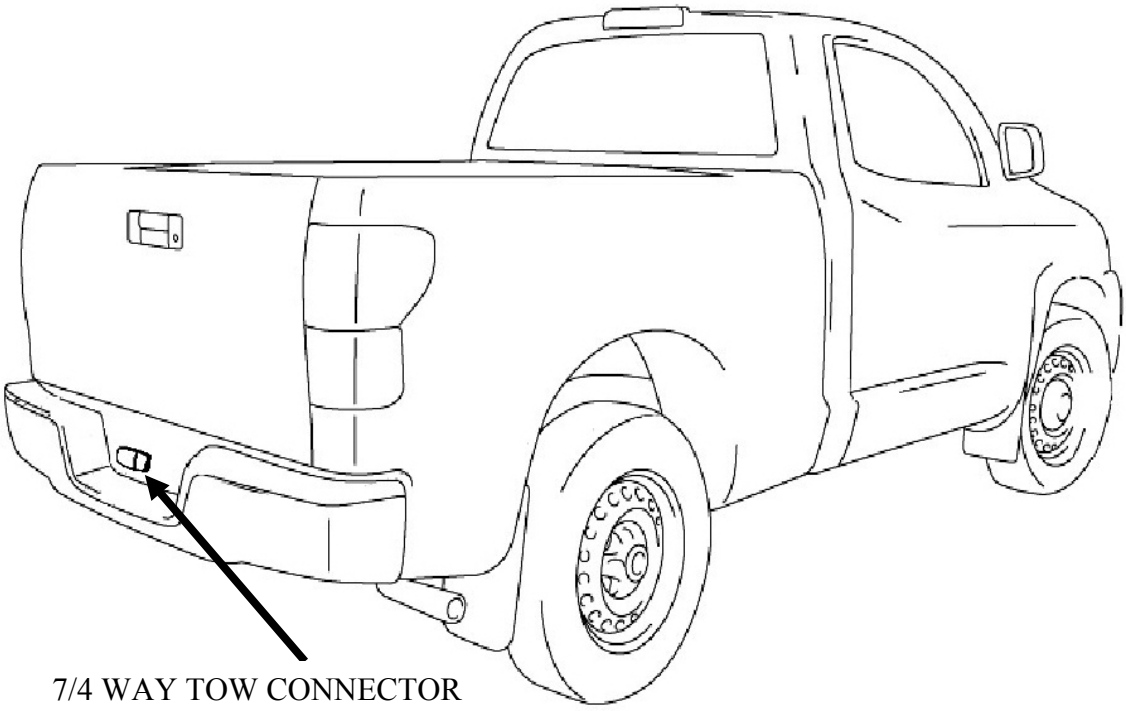
TOOLS & EQUIPMENT: Calls out the specific tools and equipment recommended for this process.

REVISION MARK: This mark highlights a change in the installation with respect to previous issue.

SAFETY TORQUE: This mark indicates that torque is related to safety.

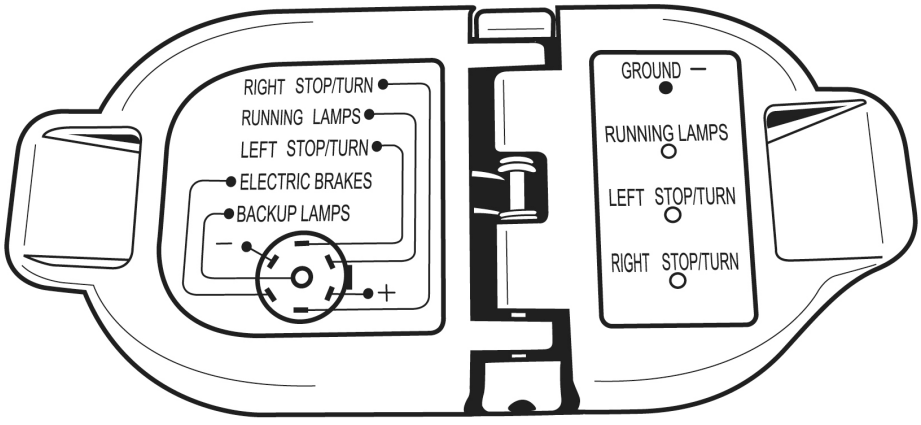
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Installation Layout



7/4 WAY TOW CONNECTOR

Complete Parts List



(1) 7/4 WAY TOW CONNECTOR

Care must be taken when installing this accessory to ensure that damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the "Accessory Installation Practices" document.

The Accessory Installation Practices document covers such items as:

- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.)
- Safety (eye protection, rechecking torque procedure, etc.)
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.)
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.)

Please see your Toyota dealer for a copy of the "Accessory Installation Practices" document.

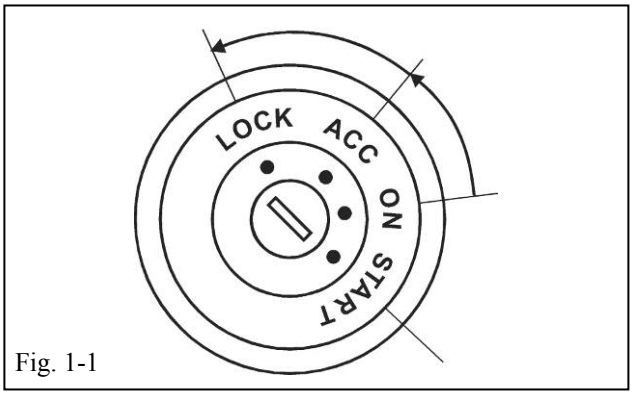


Fig. 1-1

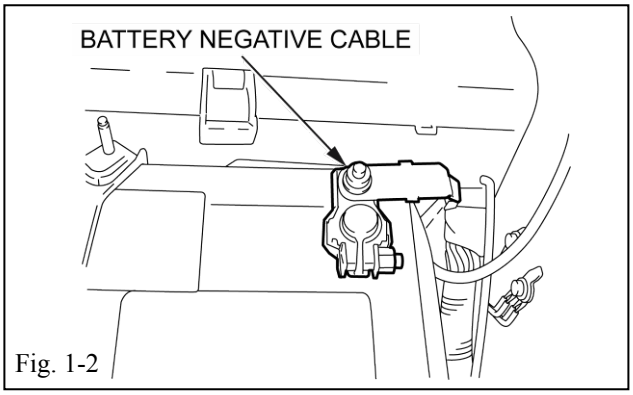
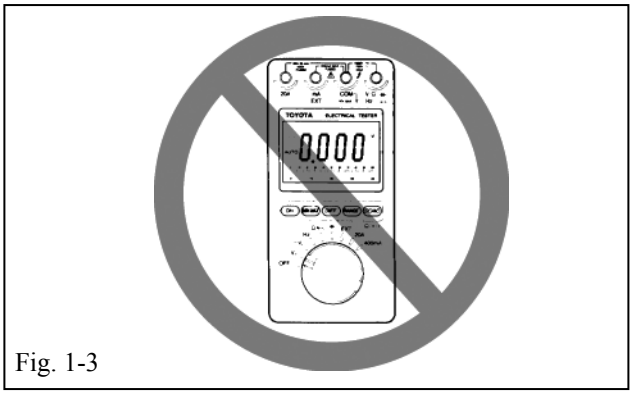


Fig. 1-2


Fig. 1-3

1. Supplemental Restraint System (SRS)

(a) Failure to carry out procedures listed below could result in possible deployment of airbag, personal injury, or unnecessary repairs to SRS.

(b) Turn the key switch to the LOCK position. (Fig. 1-1)

(c) Remove the key from the ignition switch.

(d) Disconnect the negative battery cable. (Fig. 1-2)

(e) Never use a voltmeter to troubleshoot any of the harnesses or connectors to the SRS. Accidentally probing the connectors to the SRS can lead to deployment of the airbag. (Fig. 1-3)

(f) SRS wire harness loom/cover is bright yellow in color.

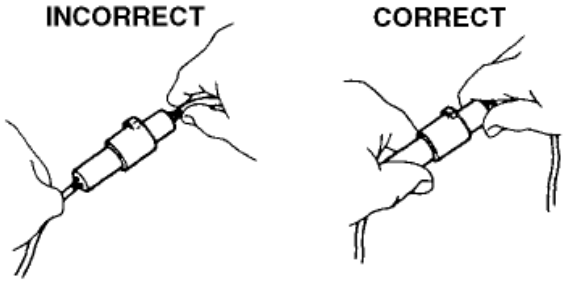


Fig. 2-1

2. Wiring Precautions

(a) DO NOT pull on vehicle wires and/or wire harness. To uncouple electrical connectors, pull only on the connector. (Fig. 2-1)

(b) Use nylon ties and adhesive foam strips to secure the vehicle harness and the trailer wire harness.

(c) Ensure that all wires are properly insulated from ground.

(d) When installing the trailer wire harness, make sure it is not cut or perforated by any sharp metal objects.

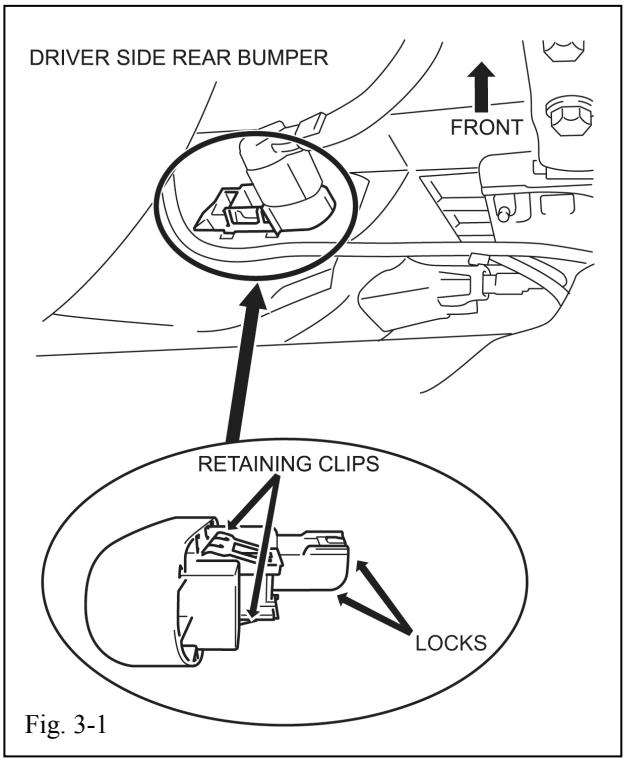


Fig. 3-1

3. Remove Connector Cover

(a) Release the lock on the 7-pin wire harness and remove and discard the connector cover. (Fig 3-1)

(b) Remove the connector cover from the driver side rear bumper by pressing the two (2) retaining clips on the back side of the connector cover. (Fig. 3-1)

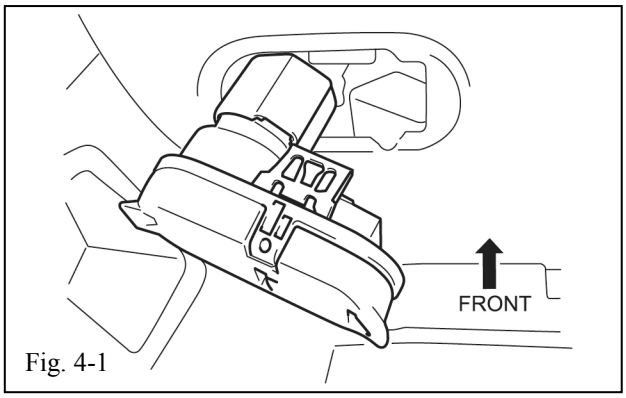


Fig. 4-1

4. Install the 7/4 Way Tow Connector

(a) Connect the 7-pin wire harness to the connector assembly. (Fig. 4-1)

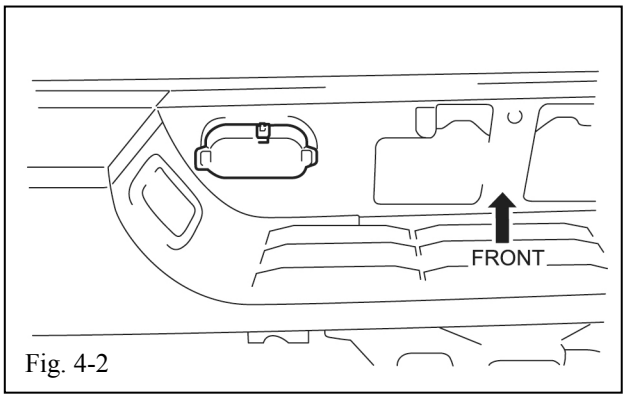


Fig. 4-2

(b) Insert the 7/4 way tow connector assembly into the bumper and make sure the connector is locked into place. (Fig. 4-2)

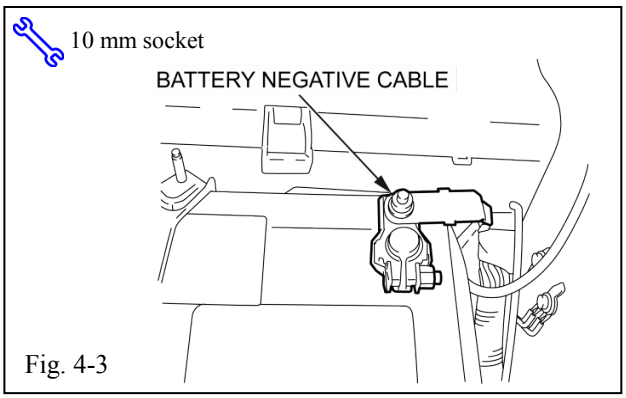


Fig. 4-3

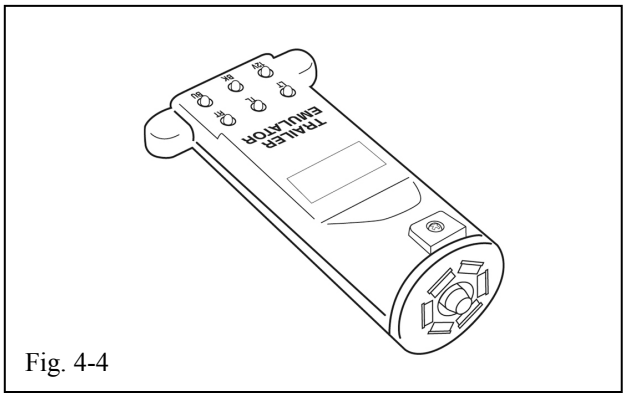


Fig. 4-4

LED	Primary	Secondary
LT	Left Turn Signal	Hazard
TL	Tail / Running Light	
RT	Right Turn Signal	Hazard
12V	12 Volt Battery	
BK	Electric Trailer Brakes	
BU	Backup / Reverse	

(c) Reconnect the vehicle's negative battery cable in the original factory position. (Fig. 4-3)

(1) **Torque: 5.4 N•m (48 lbf•in)**

(2) Do not touch the positive battery terminal with any tool when replacing the cable.

(d) Perform functional verification.

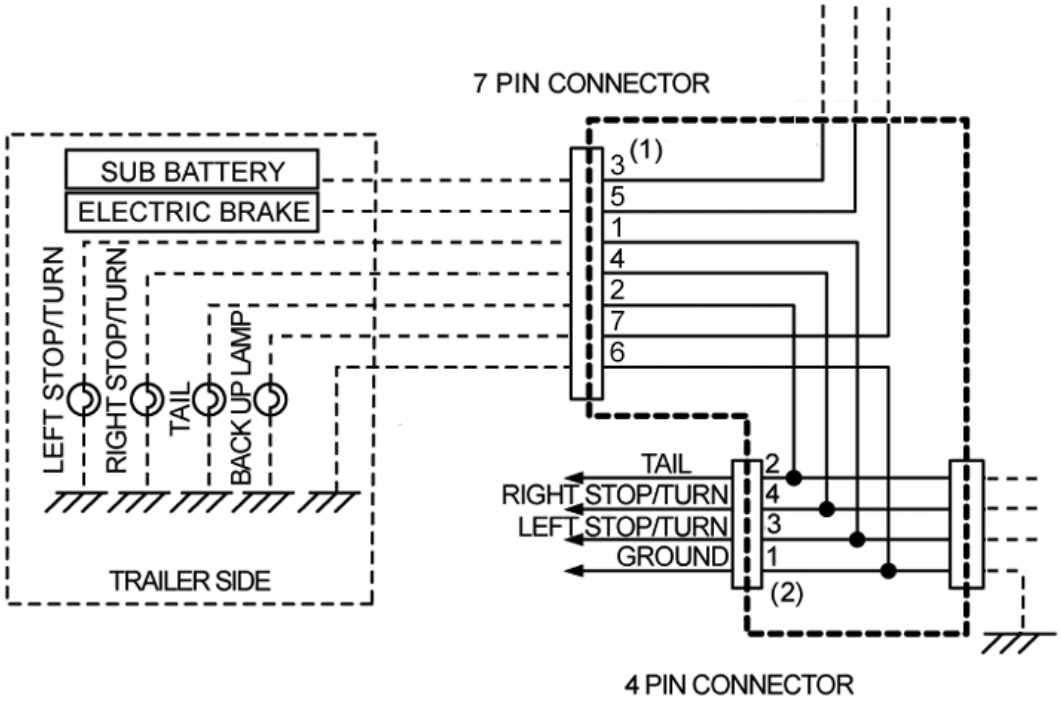
Checklist - these points **MUST** be checked to ensure a quality installation.

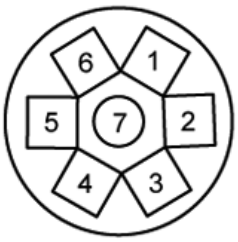
Check:	Look For:
Accessory Function Checks	
☐ Tow Connector	Clips locked in place.
Vehicle Function Checks	
☐ Connect the Special Service Tool (SST) L.E.D. Tester 7-pin (TEKONSHA Part Number 6562) to the trailer sub-wire harness 7/4-pin plug. (Fig. 4-4)	
⚠ **CAUTION**: Be sure the vehicle is in "Park" with the engine off and that parking brake is applied. Then perform the following steps with the ignition switch in ACC and the engine off:	
☐ Turn on headlamps.	Marker and tail lights on both SST and vehicle are lit.
☐ Turn on left turn signal.	Left turn lights on both SST (LT) and vehicle are flashing.
☐ Turn on right turn signal.	Right turn lights on both SST (RT) and vehicle are flashing.
☐ Apply foot brake.	Stop lights on both SST (LT + RT) and vehicle are lit. Electric trailer brake light on SST (BK) is lit if a brake controller is installed.
☐ Turn on left turn signal and apply foot brake.	Left turn lights (LT) are flashing and right stop lights (RT) are lit on both SST and vehicle. BK light on SST is lit (if installed).
☐ Turn on right turn signal and apply foot brake.	Right turn lights (RT) are flashing and left stop lights are lit on both SST (LT) and vehicle. BK light on SST is lit (if installed).
☐ Turn on hazard lights switch.	All turn signal lights are flashing on both SST (LT + RT) and vehicle.
☐ Turn off the hazard lights switch, apply the foot brake.	Both stop lights on the vehicle are lit, both turn/stop lights on the SST (LT + RT) are lit. BK light on SST is lit (if installed).
☐ Sub-battery power	Battery-charge light on SST (12V) is lit.

Checklist - these points **MUST** be checked to ensure a quality installation.

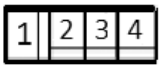
Check:	Look For:
The following checks are to be performed with the ignition switch ON and the engine stopped.	
⚠ **CAUTION**: Don't start the engine.	
☐ Shift to reverse gear.	Back up lights are lit on both SST and vehicles.
Vehicle Appearance Check	
☐ Visual Inspection (After accessory installation and removal of protective cover(s))	Ensure no damage (including scuffs and scratches) was caused during the installation process. Panels should fit and align properly. (For PPO installations, refer to TMS Accessory Quality Shipping Standard)

WIRING DIAGRAM





(1)



(2)