

<b>Document Number:</b>  <b>040-00063</b>  <div>Form Instructions</div>	Rev	Description	Date	ECO#	
	1	SERVICE MANUAL	9/09/2008	00239	
<b>Title</b>	<b>SERVICE MANUAL, FLOORMAT REPLACEMENT (UPGRADE)</b>				
<b>Operation Description</b>	<b>Sub Assembly Removal and Replacement</b>				
<b>Standards</b>	<b>Man Occup.</b>	<b>Machine Occup.</b>	<b>Cycle Time</b>	<b>Setup Time</b>	<b>Batch Qty</b>
<b>Equipment List</b>	Equipment		Manufacturer	Qty	
	1- Floormat Assembly 024-00042		T3 Motion	1	
	2- Pry bar		Any	1	
	3 – Hand Brush (optional)		Any	1	
	4- Power drill		Any	1	
	5- Drill bit size 1/8 inch to ¼ inch		Any	1	
	6- Drill bit size 7/16 inch		Any	1	
	7- 5/32 Hex bolt (long)		T3 Motion	4	
	8- 5/32 Hex (Allen) wrench		Any	1	
	9- Jacknut tool		Jacknut	1	
	10- Jacknut		Jacknut	4	
	11- Mallet		Any	1	
<b>Reference Docs</b>	Document #	Description	Document #	Description	
<b>Related Files</b>					
<b>RESP ENGR</b>	Mark Jones				
<b>ALL TEXT AND GRAPHICS COMPUTER GENERATED, DO NOT REVISE MANUALLY</b>		<b>T3MOTION, INC. PROPRIETARY INFORMATION</b> This document is the sole property of T3MOTION, Inc. The release of data contained in this document and the reproduction of this document in whole or in part, without the written permission of T3MOTION, Inc. is prohibited.		<b>SHEET 1 of 8</b>	

## SERVICE MANUAL

Item#	Part #	Description	Qty
1	500-00162	Floormat Assembly	1
2	100-10229	¼-20 Jacknuts	4
3	100-10135	Mounting Bolts	4



**Serious electrical shock can occur if precautions are not followed.**



- **ALWAYS TURN OFF POWER BREAKER IN GLOVE BOX AND REMOVE POWER MODULES BEFORE PERFORMING ANY ELECTRICAL WORK.**



Power breaker in glove box



Power modules

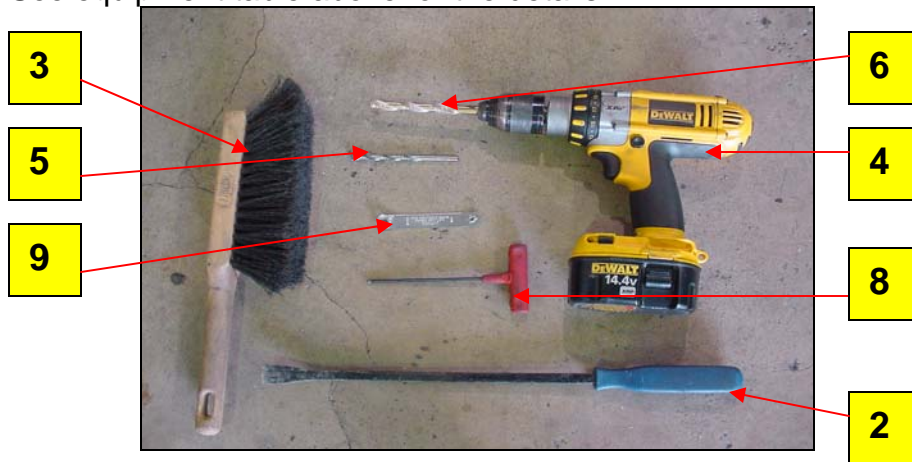
- **ALSO SET THE PARKING BRAKE PRIOR TO ANY WORK.**



Parking brake

## WORK INSTRUCTIONS:

- 1.0 Recommended tools for replacing the floormat assembly.  
See equipment table above for the details.



- 2.0 New floormat.



- 3.0 (If your T3 Unit has a bolt-in floormat, skip ahead to Step 7.0.) To remove an adhesive mounted floormat, peel up an edge. Notice the aluminum plate will stay attached to the body floor. You can remove the rubber portion of the floormat completely now if you wish, or remove it with the aluminum plate.



- 3.1 Slide pry bar under aluminum plate a few to several inches and lift off. The adhesive is strong, so a bit of effort is required.



- 3.2 Once the prying releases the adhesive, lift the floormat up and out. If the rear trim seal does not come off with the floormat, remove it at this time.





- 4.0 Place the new floormat into the vehicle and using the holes as a guide, drill four pilot holes with the 1/8 to 1/4 inch drill bit. Note that the batteries must be removed to be able to drill the front two holes.



- 4.1 Remove the floormat and drill the four holes for the Jacknuts with the 7/16 inch drill. Sweep out the debris with the brush once the drilling is completed.



- 5.0 Insert a Jacknut into each of the four holes. You may be able to push them in by hand, or you may need to tap them in with a mallet.



- 5.1 Insert a bolt into the Jacknut Tool and thread it into the Jacknut.



- 5.2 Using the Allen wrench, tighten the bolt to seat the Jacknut. Do not over tighten. Once seated, remove the bolt and tool. Repeat for the remaining three Jacknuts.



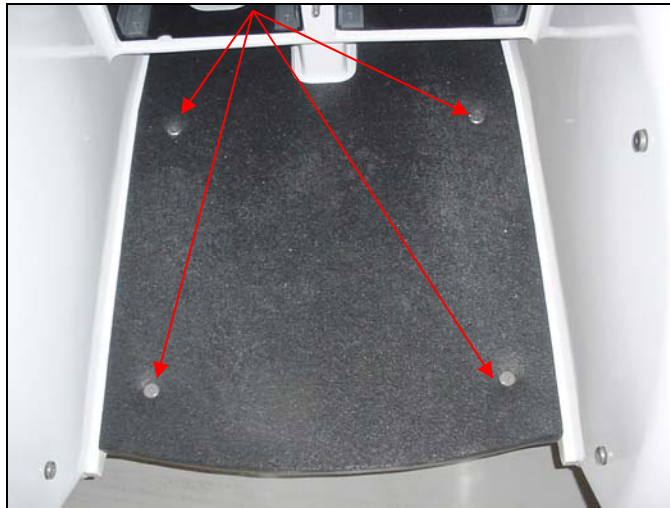
- 6.0 Place the floormat back onto the T3 vehicle and insert a bolt with a washer into each of the four holes.



- 6.1 Tighten the four bolts to secure the floormat. Tighten them until they just start to compress the floormat and the tops of the bolts become flush with the floormat.



- 7.0 Removing a bolt-in style floormat. Use a 5/32 inch Allen wrench to remove the four fasteners.



- 7.1 Follow instruction Steps 6.0 and 6.1 for replacement of bolt-in floormat.

For addition information, contact T3 Motion at: (714)-619-3600.