

# Work Instruction

<b>Document No.:</b> 8304-61502	<b>Title:</b> Coastal Slocum Glider Compact Flash Card Removal		
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**Scope**  
This work instruction covers removal of the engineering compact flash card and science compact flash card from a Coastal Slocum Glider manufactured by TWR.


**Purpose**  
The purpose of this work instruction is to describe the steps to be taken to remove the compact flash cards in preparation for downloading all of the glider data from a deployment. This occurs during refurbishment.

**Reference Documents**  
Coastal Slocum Glider Refurbishment Procedure  
Slocum G2 Glider Operators Manual  
Slocum G2 Glider Maintenance Manual  
CSG Disassembly Work Instruction  
CSG Data Download From Card Work Instruction

**Required Records**  
Basic Refurbishment Work Order

**Required PPE**  
Eye Protection – Safety Glasses  
Chemical Resistant Gloves

**Required Tools & Equipment**  
Flash Light

<b>Instructions</b>	
<b>Step</b>	<b>Instruction</b>
1	Follow the CSG Disassembly Work Instruction
2	Once you have pulled the Aft Assembly out of the Composite Hull and placed securely on the custom made stand, flip the wire CF card holder up by grasping it with your thumb and gently lifting it. This is the Engineering CF card. Remove by gently pulling back from the holder. 
3	Once removed follow the CSG Data Download from CF card Work Instruction.

4	Then Replace by gently pushing the card into the CF cardholder until it seats, and push the wire holder down over the back until the wires bottom out on the top of the card.
5	The Science Bay CF card is accessible from the aft end of the Payload bay only. Remove the two 10-32 SHCS that hold the Aft battery bracket in place using a 5/32" hex driver.
6	After the battery bracket has been removed the aft payload bay guard is loose and can be removed by carefully working the wiring harness through the center slot. Make sure to pay attention to the wiring harness connectors, working each one through individually.
7	The Science CF card should now be visible near the top of the starboard side.
8	Unclip the wire holder by pushing upward at the rear of the card.
9	Pull the card out by grasping the sides and pulling straight backward.
10	Once removed follow the CSG Data Download from CF card Work Instruction.
11	Then Replace by gently pushing the card into the CF cardholder until it seats, and push the wire holder down over the back until the wires bottom out on the top of the card.
12	Work each Wiring harness back through the center slot until the rubber housing is protecting the wires from the edges of the aft payload bay guard.
13	Secure the aft payload bay guard and aft battery bracket with the two 10-32 SHCS using a 5/32" hex driver.
14	If batteries are going to be replaced continue following the CSG Battery Replacement Work Instruction.
15	If no further work is necessary continue using the CSG Assembling the Glider Work Instruction