

CSL

**A CHOICE.
NOT A COMPROMISE.**

FOREWORD

From *concept* to creation the *CSL* is developed with a passion and precision *rarely* seen in the paintball industry.

Utilizing the latest *technologies* and materials it *pushes* the boundaries of what is possible both as a piece of design art and as a devastatingly *effective* on-field tool.

Produced in *limited* numbers, it's *desirability* and *exclusivity* is never in question.

The *CSL*; The *ultimate* expression of *Eclipse* engineering and design.



JACK WOOD - CHIEF ENGINEER





WARNING: READ AND ADHERE STRICTLY TO ALL OF THE SAFETY INSTRUCTIONS AND GUIDELINES IN THE EGO11 OPERATORS MANUAL!

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SL3 SHAFT BARREL KIT

The *Eclipse* CSL marker comes as standard with an Eclipse SL3 Shaft Barrel Kit.¹

The barrel screws into the body of the CSL using a *right hand thread* meaning that if you hold the *CSL* pointing away from you the barrel screws into the body in a counter-clockwise direction.²

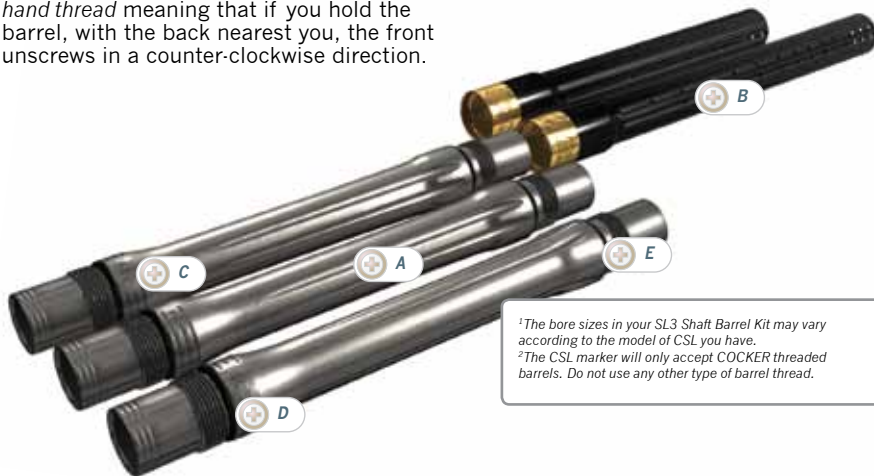
The barrel comprises of two parts, an Aluminium Barrel Back **A** and a Carbon Fibre Barrel Front **B**.

The two parts are joined together with a *left hand thread* meaning that if you hold the barrel, with the back nearest you, the front unscrews in a counter-clockwise direction.

The bore size of the barrel back is *engraved* at the end of the Barrel Back **C**.

On the Barrel Back there are two o-rings. A O16 NBR 70 o-ring at the back (**D**) which prevents the barrel from vibrating loose from the CSL body when the marker is fired and a O15 NBR 70 o-ring at the front (**E**) helps with alignment when the two sections are screwed together.

Replace and lubricate these o-rings with *Eclipse Grease* as necessary.



¹The bore sizes in your SL3 Shaft Barrel Kit may vary according to the model of CSL you have.

²The CSL marker will only accept COCKER threaded barrels. Do not use any other type of barrel thread.

CSL VALVE GUIDES



WARNING: REMOVE ALL PAINTBALLS & DE-GAS YOUR MARKER, DISCHARGING ANY STORED GAS IN A SAFE DIRECTION, DISCONNECT THE BATTERY & REMOVE THE BARREL, LOADER & AIR SYSTEM TO MAKE THE MARKER EASIER & SAFER TO WORK ON.

Included with the *Eclipse* CSL marker are two Valve Guides.

A LP (*Low Pressure*) Valve Guide which is already installed inside the CSL, and a HP (*High Pressure*) Valve Guide. Both of which will allow you to customize the set-up and feel of the CSL.

To remove the LP Valve Guide and install the HP version see the '*Removing the Valve Assembly*' section of your '*Ego11 Operators Manual*'. Simply swap over the Valve Guides during this procedure.



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CSL TRIGGER SYSTEM









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The *Eclipse* CSL marker comes with two complete *Trigger Systems* (bearing carrier, trigger, spring and set-screws) that are interchangeable within the CSL frame.

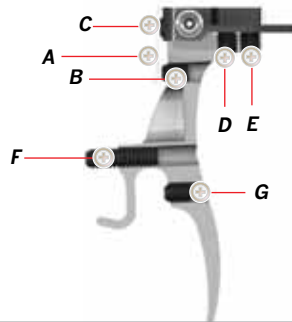
For full details of how to change the Trigger System in the CSL please consult the 'Trigger Assembly' section in the 'Ego11 Operators Manual'. If you have any doubts about how to conduct this procedure then do not hesitate to contact your nearest *Eclipse Service Center* (see *Eclipse Certified Service Center* pages of the *Ego11 Operators Manual*).

For full details of how to adjust your trigger please refer to the 'Setting the Trigger Section' of the 'Ego11 Operators Manual'.

IMPORTANT

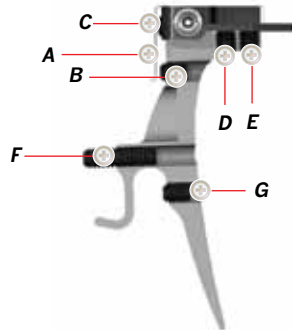
When setting the trigger it is essential to ensure that the electronic trigger detection is working correctly. When the trigger is fully depressed the Trigger Detection Indicator (TDI) should point upwards   . When the trigger is fully released the TDI should point downwards   . For more information, see 'The Trigger Detection Indicator (TDI)' and 'Filter Menu' in the 'Ego11 Operators Manual'.

CLASSIC TRIGGER



- A** Spring
- B** Spring Return Strength Screw
- C** Trigger Pin Locking Screw
- D** Front Stop Trigger Screw
- E** Magnet Return Strength Screw
- F** Micro Switch Activation Screw
- G** Rear Stop Trigger Screw

SCYTHE TRIGGER



CSL BOLT SYSTEM

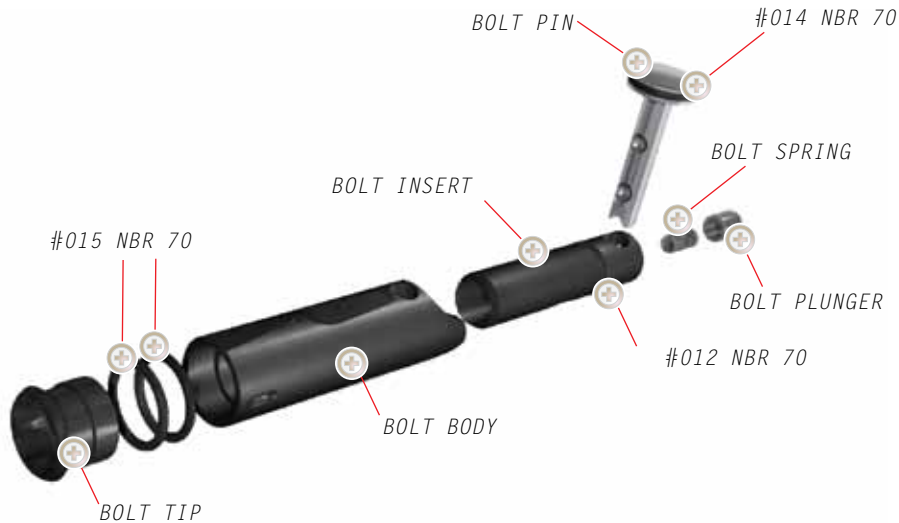


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The *Eclipse* CSL marker comes with a newly developed *Cure4 Bolt*, the latest evolution in the *Cure* bolt series.

The *Cure4 Bolt* features a new *cushioned* bolt tip which serves the dual purpose of reducing

clipping of the second ball in the stack and reducing the *impact shock* of the bolt face on the ball being fired. The *Cure4* also benefits from internal 3D machined porting (via the ramped bolt insert).



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➤ FEATURE SUPPLEMENT

THE CSL FRAME

The CSL features a new body/frame interface, with a departure from the traditional front and back frame screws. The frame is now attached to the body by a single screw mounted in the back of the body.

REMOVING THE FRAME

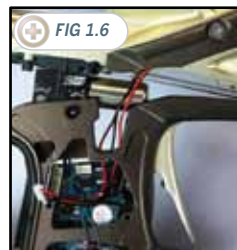
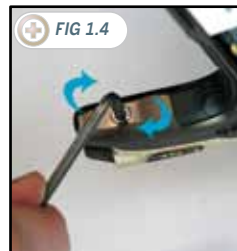
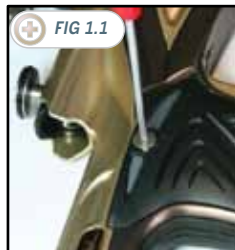
To remove the frame from the CSL body, firstly unscrew the four grip screws using a 5/64 hex key (FIGURE 1.1) and remove the grips entirely, exposing the CSL circuit board. Then unplug the BBSS and Solenoid wires from the circuit board (FIGURE 1.2).

Next disconnect the macroline hose from the SL3 Inline Regulator by holding back the collar on the fitting while pulling the hose out of the fitting at the same time (FIGURE 1.3) You may also want to disconnect the hose from the POPS System to make the frame assembly easier to handle when detached from the body.

Using a 1/8" hex key unscrew the frame screw (the screw is reverse threaded - clockwise to unscrew, counter-clockwise to tighten) (FIGURES 1.4 & 1.5). When the frame screw releases the frame take care not to pull on the BBSS or solenoid wires when removing the frame entirely (FIGURE 1.6). It may be necessary to lay the marker down and feed the wires out through the top of the frame.

The frame has now been removed from the CSL body.

The screw is held in place by the solenoid manifold when the frame is removed. If the manifold is removed ensure the screw is replaced as illustrated before reattaching the manifold (FIGURE 1.7 OVERLEAF).



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ATTACHING THE FRAME

Before attaching the frame make sure the frame tag is tight in the frame, use a 1/8 hex key to tighten the retaining screw in the frame tag, see (FIGURE 1.8).

Feed the wires in through the top of the frame (FIGURE 1.9).

Insert the frame tag into the front of the body (FIGURE 1.10). Now ensuring neither the wires or the hose are trapped, close the frame until the frame touches the screw mounted in the body, the rear frame screw should be visible through the hole in the frame (FIGURES 1.11).

IMPORTANT - When closing the frame make sure the eye wires do not become trapped between the frame and solenoid, trapping the wires may damage them and/or prevent the frame from closing fully.

Turn the CSL upside down and using a 1/8 hex key turn the screw counter clockwise to close the frame onto the body (FIGURE 1.12). Apply a gentle force to get the screw to bite the threads in the frame. DO NOT apply too much force or the threads may be crossed when attaching the frame. When the frame has closed fully, DO NOT overtighten the rear frame screw.

Re-connect the BBSS and Solenoid wires to the CSL circuit board (FIGURE 1.2). Then replace the grips and grip screws (FIGURE 1.1).

Lastly reconnect the macroline hose to the POPS and Inline Regulator.



WARNING: IF YOU ARE AT ALL UNSURE OF PERFORMING THIS MAINTENANCE PROCEDURE PLEASE CONTACT YOUR NEAREST SERVICE CENTRE. (SEE THE SERVICE CENTRE CHAPTER OF YOUR EGO11 OPERATORS MANUAL)

THE ECLIPSE E-PORTAL



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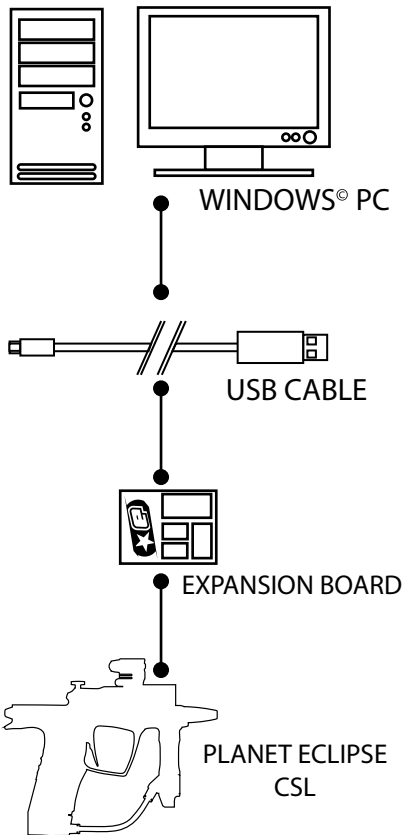
The *Eclipse E-Portal* allows you to connect the CSL to a PC (subject to meeting the minimum system requirements), where a number of operations can be performed:

UPDATE THE MARKERS FIRMWARE - from time to time new firmware may be released by Planet Eclipse. You can now download and install the latest firmware using the Eclipse E-Portal.

ALTER THE ELECTRONIC PARAMETERS - the Eclipse E-Portal will give you full access to all of the parameters on the CSL circuit board.

CUSTOMISE SCREEN GRAPHICS - Customise the boot up screen graphic.

A full .PDF instruction manual and system requirements for the Eclipse E-Portal can be found on the Eclipse E-Portal software disc included with the ECLIPSE CSL Marker.



CSL CUSTOMER SERVICE & SUPPORT

An integral part of the *Eclipse CSL experience* is the *Customer Service and Support* that you can expect to receive having successfully registered your marker for Warranty purposes.

Warranty registration can be done either by completing and mailing-in the tear-out *Warranty Card* in the Ego11 Manual, or by completing and submitting the *Online Warranty form* in the Support section of:

WWW.PLANETECLIPSE.COM

Successfully registering your *Eclipse CSL* marker will not only allow us to inform you of any applicable *upgrades or enhancements* that become available during the lifetime of your marker, but will also give you direct access to the support team behind Eclipse's world renowned level of Customer Service and Support using the *priority* email address below:

MY-CSL@PLANETECLIPSE.COM

Please do not hesitate to contact us, whatever the reason. Whether it is a *technical* question, a concern about your *CSL* that you're unsure about or wanting information about how to best set-up your *CSL* marker.

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