

FYRSTIK Fitting and maintenance instructions

Read all of the instructions before disassembly of the main body section.

The components come in 3 packages / complete core body ass / handle and switch ass / relay , receiver, fuse and wiring.

Familiarise yourself with all components to the exploded diagram before dismantling the body assembly.

To ascertain the best position for FYRSTIK to be mounted in the roof.

Remove the hood lining if any to check for reinforcing beams / wiring ducting or other in the way of the ass when fitted.

NOTE: It is the responsibility of the owner to ascertain the suitability of FYRSTIK for their application before cutting the holes in the vehicle roof or for any damage that may be caused by incorrect fitting.

If Ok, remove the items 13-25 from the top of the core body without loosening the knurled nut (1)

Using cupped washer item (14) as a template, drill the centre hole with a hole-saw and drill the 4 outer 5mm screw holes.

Either cut out the hood lining for clearance or bolt through (sandwich) the hood lining material if not too thick.

NOTE: Depending on roof metal thickness a reinforcing plate 2-3 mm thick may be worth bonding to the inner roof for support around the base fitting. Drill holes in roof section first then fit reinforcing plate afterwards to position correctly.

Decide where you are running your input wires neg (5) /pos (6). and position the input plug (7) in that direction.

You will need 2 people to fit the unit to the roof. Mount the bottom half of the assembly to the roof panel using 2 of the item (25) 30x5mm screws whilst replacing items 13-17. Note: Screws go from inside to outside. Use the 2 screws to pull up evenly. Measure screws for excess length and shorten remaining 2. Insert in remaining holes then remove and shorten first 2 screws.

For best performance lubricate the top and bottom positive and negative ball halves (see item 11) with a light smear of bearing grease or similar. The bottom half can be accessed by removing the items 1-3 and 7-9 and lift the ball off the seat to apply a small amount of grease. This should rarely need to be done in use unless it feels dry. Also put a small smear on the inside neck of the concertina boot. Note: there is a lube hole for an occasional spray with a CRC type spray nozzle in the side of the body to lube the positive contact pin and ball Item (9). Only use a light spray.

When removing and replacing the positive contact assembly (7-9) only do it up finger tight until it touches the body shoulder. **Be careful not to lose the small spring. / IMPORTANT: Ensure there is a small amount of slack in the input wire to allow the spring and contact to operate correctly.**

The brass contact pin (9) is the only wear item on FYRSTIK. All components are available as spare parts.

Once body is assembled to the roof, tighten knurled friction nut (1) and fit removable handle with switch in either left or right hand position by placing handle into the body base. Note: larger flats allow correct positioning of the handle in two positions only and screw ferrule with SS tightening pin into body shaft. SS pin can be tapped tight to ensure not coming loose in use.

To meet new road legislation remove the handle for storage after tightening knurled nut to secure light in the desired position for travel.

FYRLYT products are balanced and can be fitted directly to the FYRSTIK ass. At time of print Powerbeam lights and others are not balanced, so you need an extension bracket from FYRLYT or make your own if you don't want the light to fall forward when you let it go!. NOTE: they can be fitted without the bracket.

Lock the handle in the straight ahead position and fit the FYRLYT straight ahead or OTHER lights with the bracket to the rear between the large nut (item 17) and ss washer and 12mm nut (items 18-19) Secure by holding large 30mm nut (Item 17) and lock down 12mm nut (Item 19.) **SEE BELOW**

VERY IMPORTANT: When fitting the light to the remote control make sure the large 12mm aluminium base nut (item 17) is tightened down onto the stepped shoulder at the base of the thread. Then mount the light to the arm and fit the 12mm washer and SS nut. (Items 18/19) **ONLY Tighten the top 12mm SS nut down to the bottom Aluminium nut. Do not wind the bottom nut off its base to tighten the assembly.** If you do it will reduce the strength of the threaded shaft to less than half and is likely to break from fatigue. **NOTE: incorrect fitment breakage will not be warrantied**

Fit the Negative (20) terminal and Positive (22) terminals to the light input wires. Then fit Negative terminal (20) to the top of the shaft against the metal 12mm thread, then the black acetal cupped insulator (21), then Positive terminal (22), followed by SS washer (23) and SS- 4mm nut (24).

FYRSTIK is fitted with a one channel wireless switch receiver and 2 transmitters (button switches) - 1 spare and 1 fitted to the handle with 3Mtm double sided tape.

The "switch" has 2 buttons on each switch. "Both operate the light on and off".

The remote will operate up to 40 metres away from the vehicle depending on conditions.

It has a replaceable button battery that is replaced by slowly prising the switch off the handle with a flat bladed screwdriver and then removing the Phillips star screw and removing the rear casing for access to the battery.

Reassemble and replace back onto the double sided tape.

NOTE; We advise fitting a 20 amp fuse between the stepup voltage converter and the light / in the yellow 26/27 volt wire

The receiver / 80 amp relay and 60 amp maxi fuse come as an assembly but parts can be serviced individually. This unit is the only switch. Combined ON/OFF and isolation switch.

Note: if ON/OFF button switch is pressed when handle is stored the light may turn on. So be careful when storing.

See photo for installation. The wiring unit can be mounted in the engine bay or within the cab with a single screw.

MOUNT THE RELAY IN AN UPRIGHT POSITION to avoid water damage

NOTE: IMPOTANT. the receiver is not water proof so if your washing the engine bay cover the receiver with a plastic bag at the time.

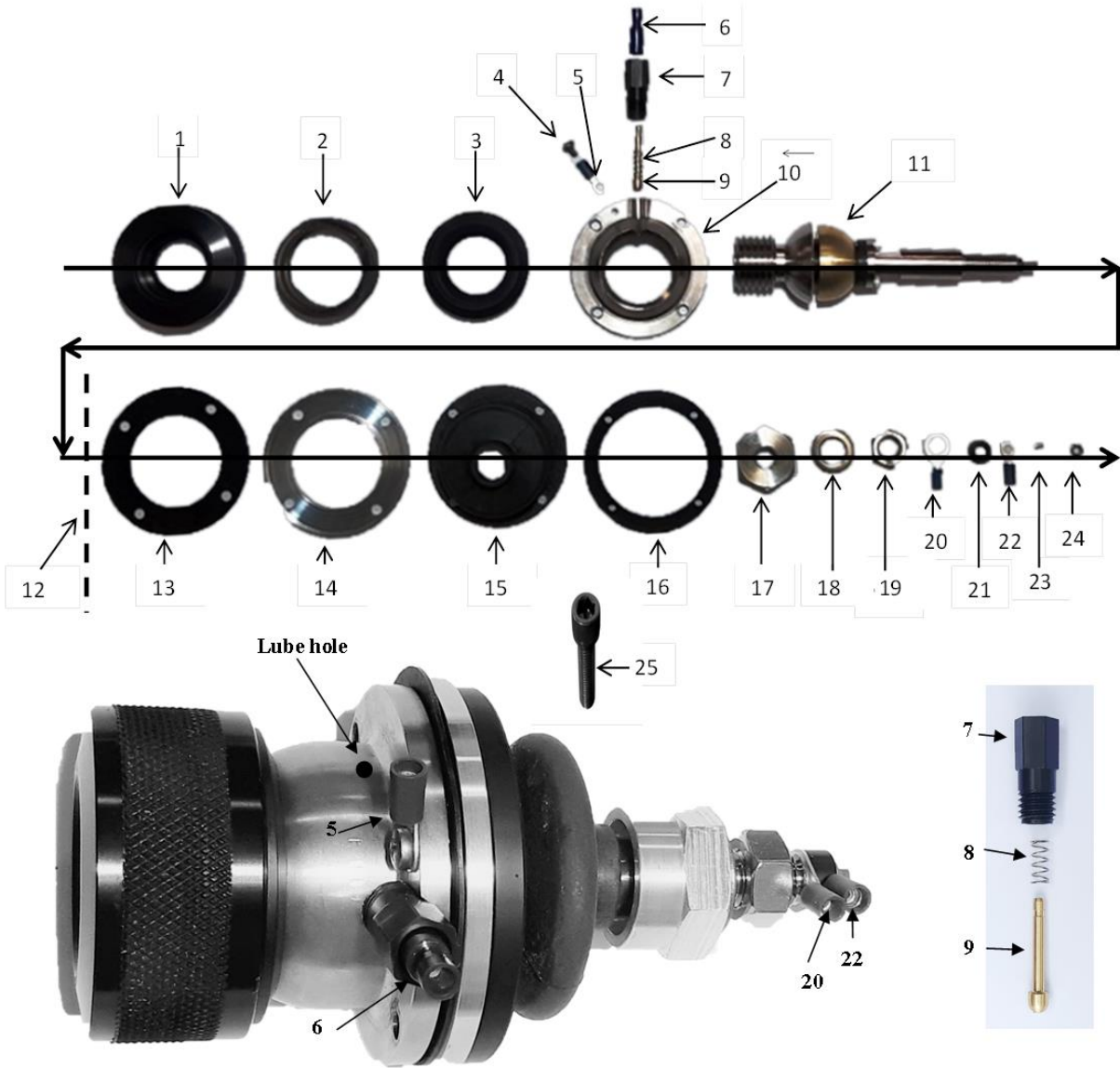
"The LED will be lit on the PCB in the receiver at all times it is connected to the battery even with the ignition OFF."

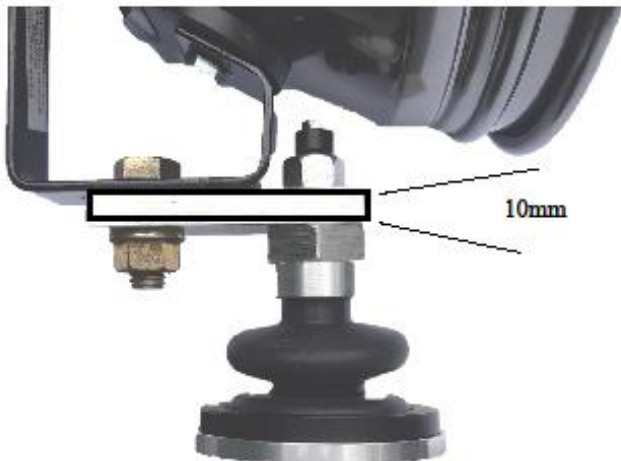
Use similar size wires as the input and output wires of the 12/27 volt step-up converter to run from the relay to the converter then to FYRSTIK for minimal voltage loss. Plus similar sizes for the NEG wire from FYRSTIK to converter and to earth (battery Negative).

Warranty "Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure." Should your FYRLYT product fail to live up to our claims please return to your authorised dealer with proof of purchase for a full refund and accept our invitation to tell us why via our website or alternatively call us. FYRLYT products are warranted against faulty parts or workmanship for 12 months from date of purchase. FYRLYT PTY LTD PO Box 324 Kensington Park, SA 5068 Australia Tele: +61-8-8365-4668 Fax: +61-8-8365-9468 Email: fyrlyt@internode.on.net URL: www.fyrlyt.com All logos, images & content subject to international copyright and may not be used without permission © FYRLYT Oct 2010. Other trademarks remain property of relevant registrants. Products depicted maybe subject to local laws and regulations. It is the responsibility of the user to comply to these conditions. FYRLYT accepts no responsibility for misuse of products

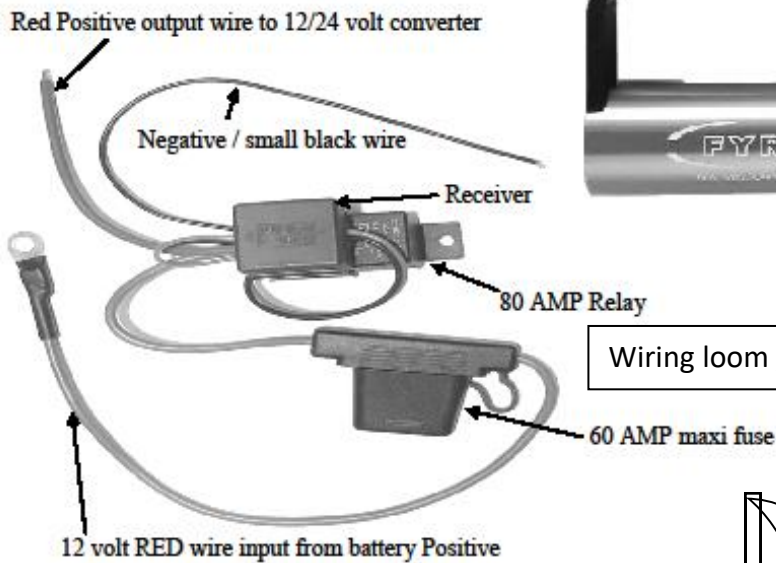
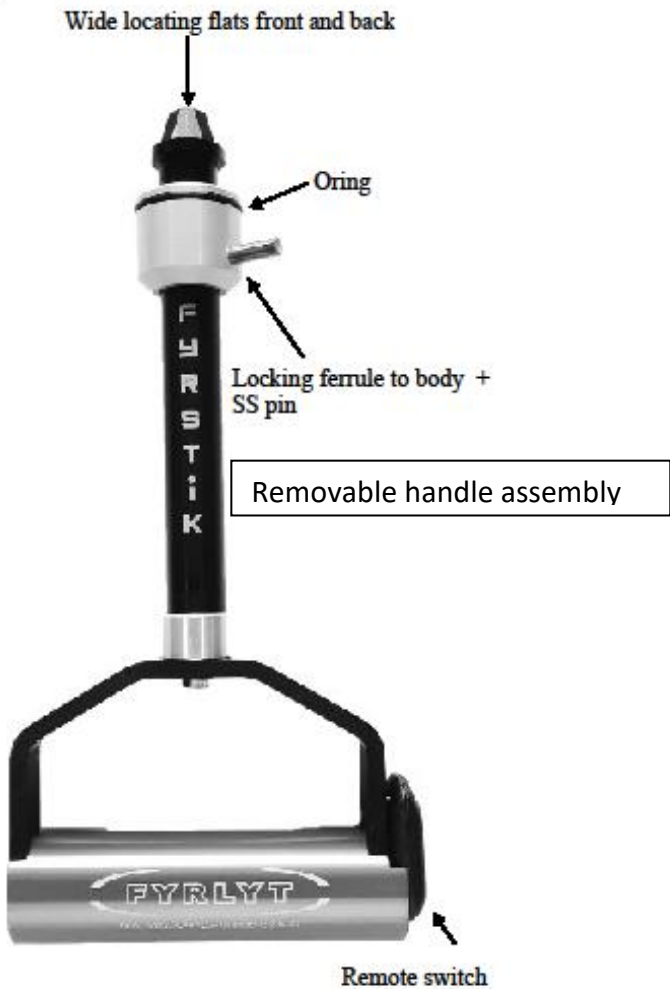
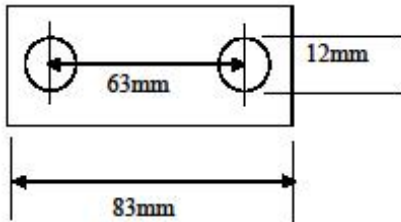
FYRSTIK Assembly sequence

1	Knurled friction nut	13	Gasket rubber 78mm x 1.mm
2	Large friction spring	14	Washer cupped (aluminium)
3	Friction cup (black acetal)	15	Boot concertina (rubber)
4	Screw 4 mm negative connection	16	Retainer ring threaded
5	Negative ring terminal 4 mm	17	Base nut 12mm (aluminium)
6	Positive 12 volt input terminal	18	Washer SS 12 mm
7	HEX + Input pin body. (black acetal)	19	Nut SS 12 mm
8	Spring input pin	20	Negative ring terminal 8 mm
9	Input contact pin (Brass)	21	Insulator cap (Acetal)
10	Roof mount socket	22	Positive ring terminal 4 mm
11	Core shaft assembly	23	Washer SS 4 mm
12	ROOF LINE	24	Nut SS 4 mm
		25	Mounting screws qty 4 SS 30 x 5mm





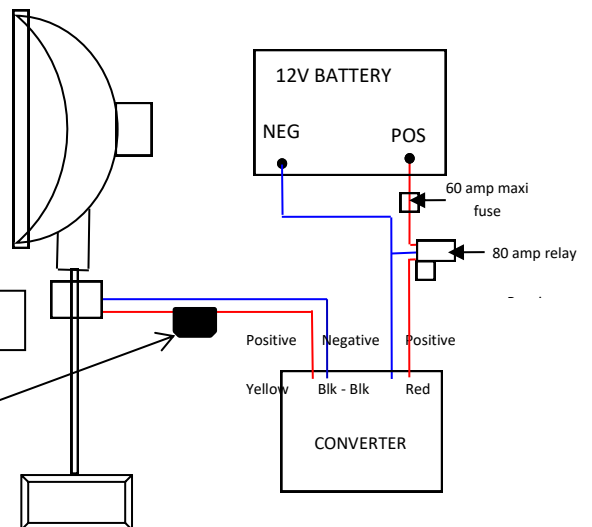
POWERBEAM / OTHER BRACKET



Wiring loom / Fuse / relay / receiver

Wiring diagram for 12/27 volt converter

20 amp inline fuse between converter and light on yellow wire



FYRLYT REMOTE SWITCHING INSTRUCTIONS for replacing and reprogramming SWITCHES. There is no need to do anything with a new FYRSTIK:

(BUTTON SWITCHES COME PRESET WITH THE original FYRSTIK)

The one channel wireless intelligent receiving controller is a relay output switching signal.

3、 Switch ON/OFF Signal latching——The shorting block is inserted on 3 and 4 (See "Wiring Diagram".)

4/ Programming and Clearing Steps for remote press button switch:

Open snap lid on receiver attached to relay assembly. Inside is the PCB with programming button.

Ensure power is to the PCB. LED will be "ON"

Press "programming" button on the receiver, release it until LED light flickers, Receiver in programming status (LED goes out this moment), then press related button on Remote control to monitor this Receiver. When LED on Receiver flickers 5 times and then goes out, it indicates Learning has been done. If a second button is on the switch, do the same again with it. This will make both buttons ON/OFF. If Remote control is lost and you want to make it invalid totally, press "programming" button (for more than 8seconds) until LED goes out, then Receiver will eliminate all contents automatically. If want to reuse it, reprogram the switch again.

1、 Working Voltage:DC12V/DC24V

2、 Working Temperature:-40°C - +80°C

