



**C2 R2 MAX**

Version 03 – 20 March 2009

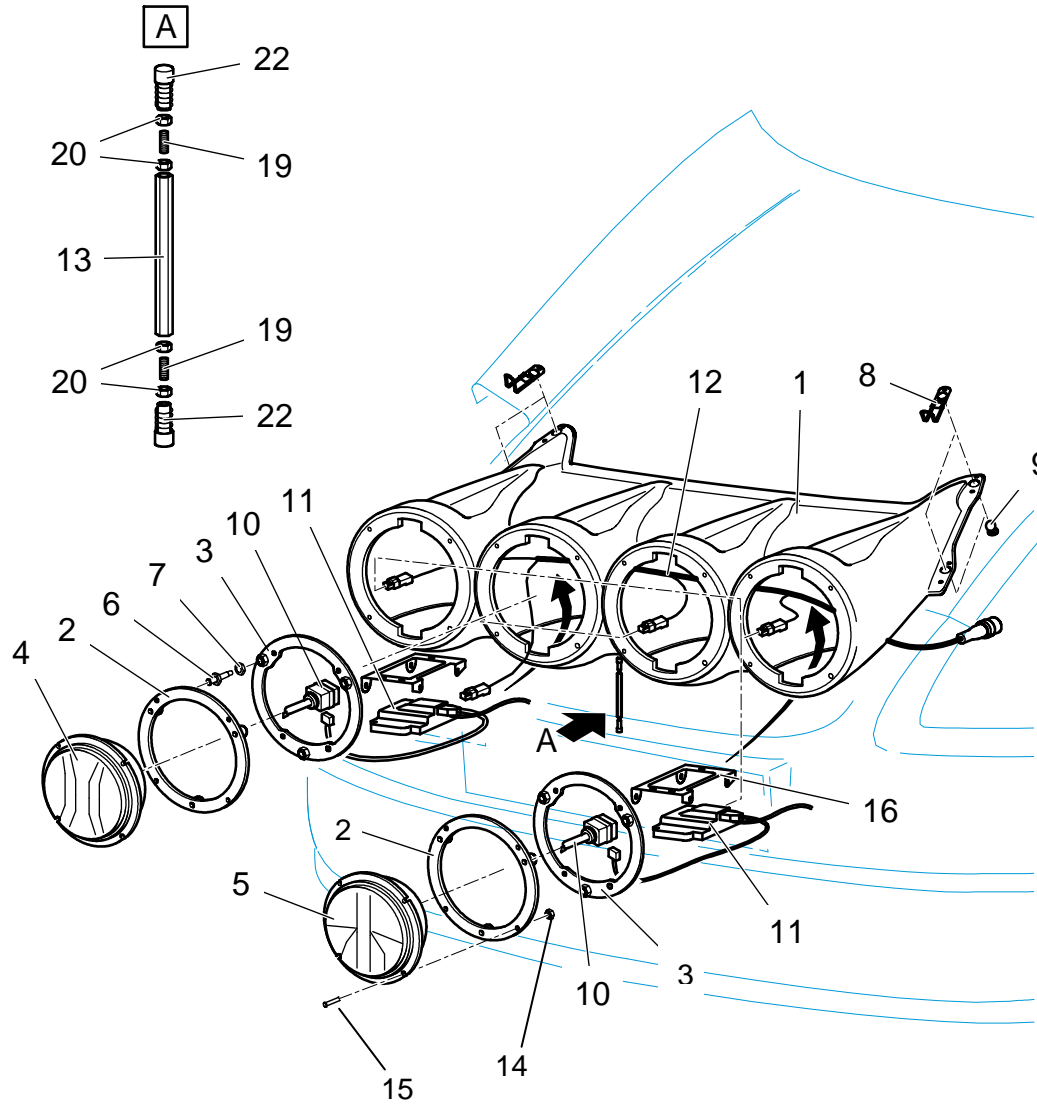
# **R2A**

## **LAMP PODS**



# C2R2MAX

Version 03 – 02 April 2009

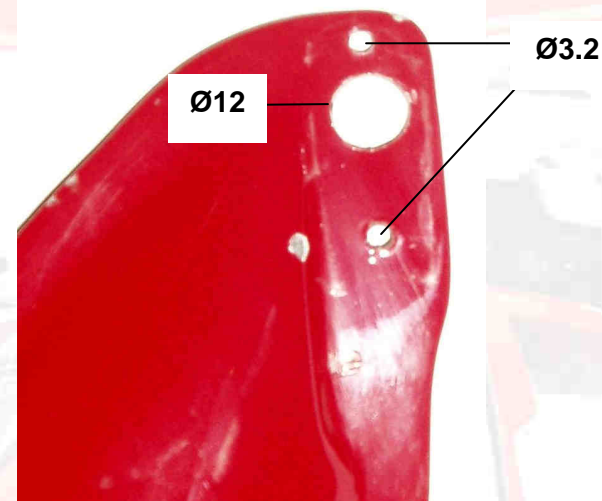


Ref	Part number	Qty	description
1	3Z2C63053C	1	Composite lamp pods
2	3Z2C63395B	4	HELLA sealed-beam mounting plate
3	3Z2C63396B	4	HELLA sealed-beam adjustment plate
4	3Z2C63404A	2	Hella pencil beam lamp
5	3Z2C63403A	2	Hella wide angle lamp
6	BCSP513281	12	M6x100 L16 Screw pin
7	BCSP693404	12	HM6x100 Nut
8	PS78573A10	4	Lock latches LS100A
9	PS78574A10	4	Mating bush
10	BCSP621696	4	Project light 12V-D1S
11	3Z2C82157A	4	Ballast loom
12	3Z9M82156A	1	Lamp pods loom
13	3Z2C63185A	1	Lamp pods steady bar
14	BCSP693695	48	Ø 4x70 Nut with RDL STD
15	PS85110A10	20	M4x20 Screw ULS
16	3Z2C63243B	4	Ballast bracket
17	BCSP692411	28	M4x70 L12 Screw RLX STD
18	BCSP643914	10	Staple loom
19	PS82742A10	2	M5 L30 Headless screw HC BPL
20	BCSP693322	4	M5x8 Nut HM
21	BCSP694929	4	ø5 Ø 16 EP1.5 Washers
22	3Z2C40133A	2	Spring-loaded angled ball-joint 5x80

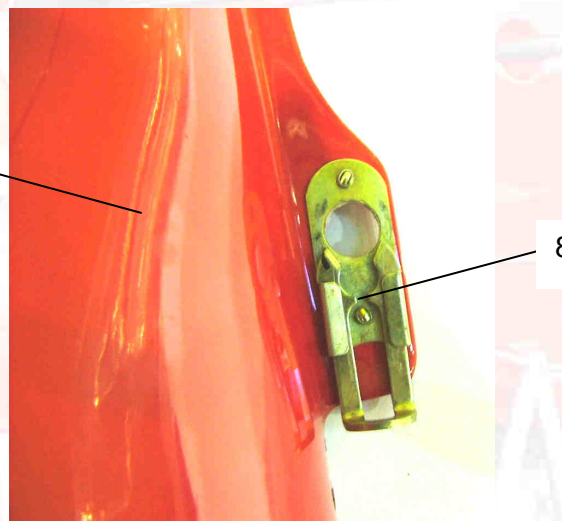
### Lock latches locating preparation (*rep.8*) :

Locate lock latches at each extremities of the lamp pods (*rep.1*), as shown on the opposite picture.

Counterpierce the lamp pods to **Ø3.2mm** for rivet fixing, and to **Ø12mm** to let pass the mating bush.



Assembly lock latches (*rep.8*) on the lamp pod (*rep.1*) by using rivet Ø 3.2x6.

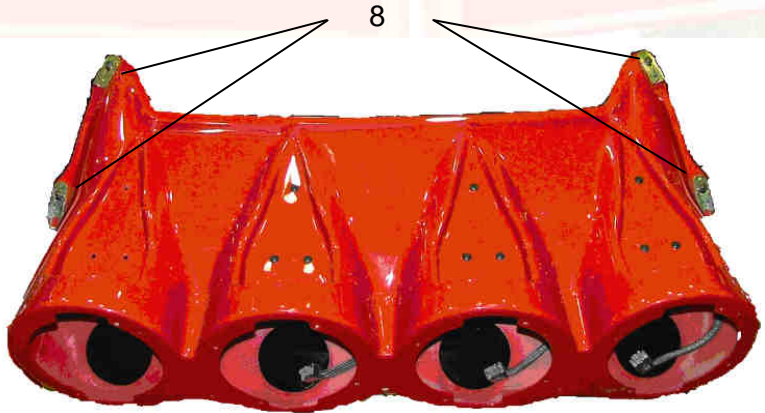


**R6A**  
**Lamp pods**



**R**  
**Body**

**Final result :**

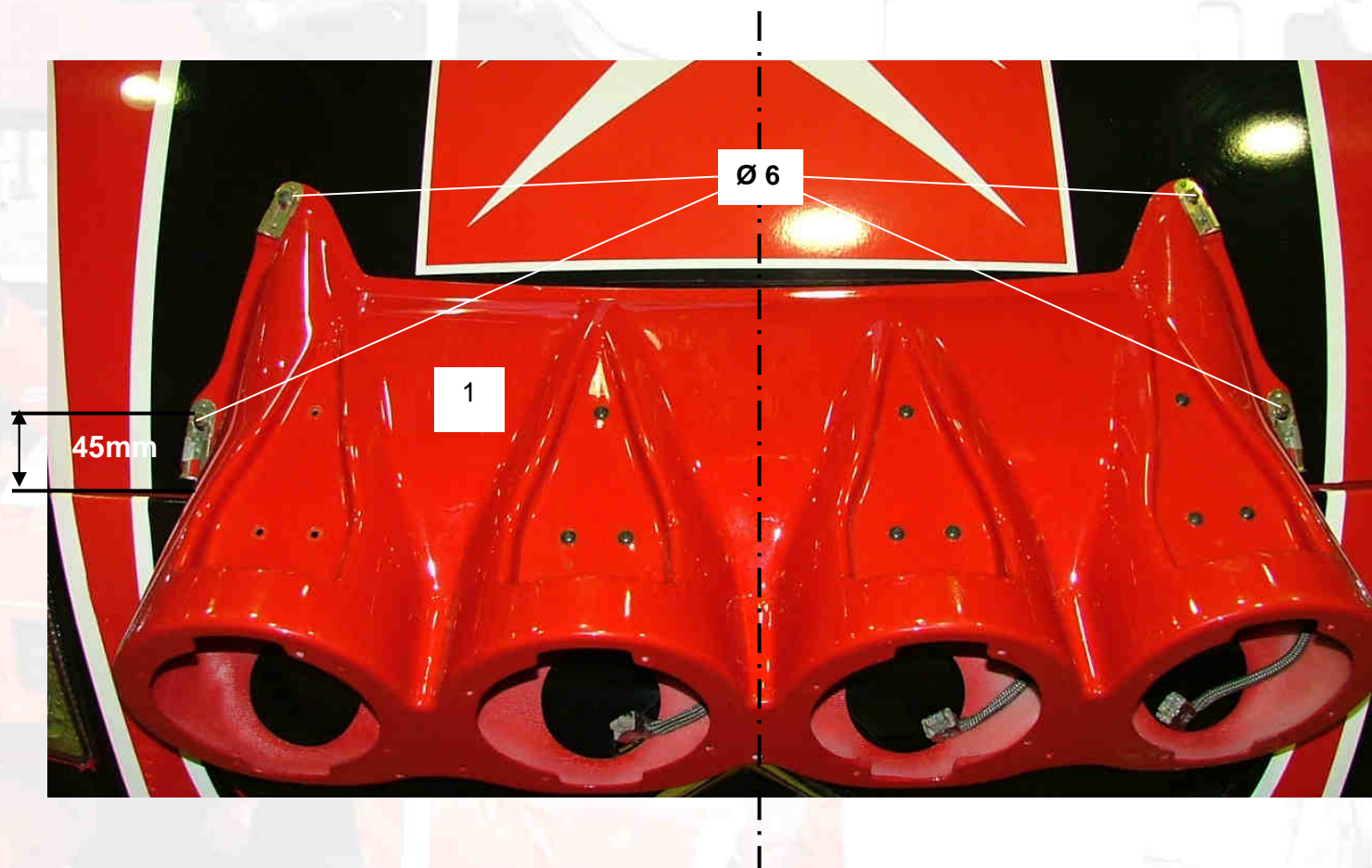




Centre the lamp pods (*rep. 1*) on the bonnet (as shown on the picture below with the axis).

For the height position, pay attention to respect the dimension of **45mm** shown on the picture below.

Counterpierce the bonnet to **Ø6 mm** for each lock latches clamp hole.



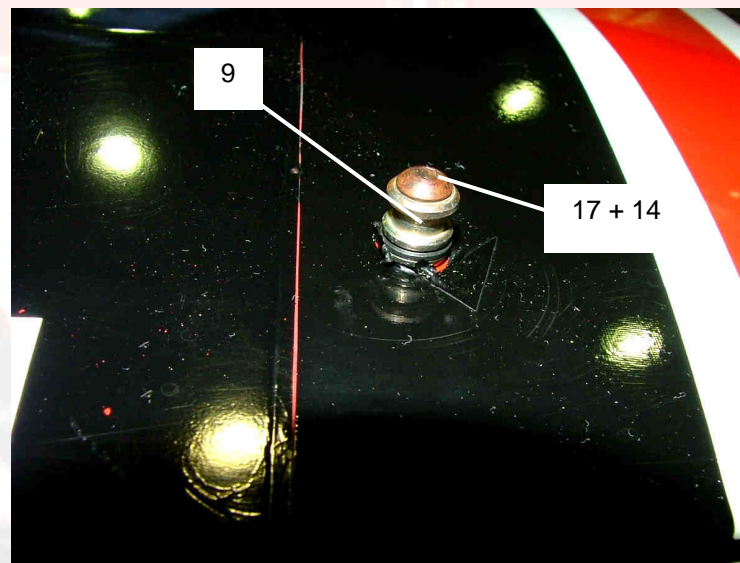
**R6A**  
Lamp pods



**R**  
Body



Assembly four matings bush ([rep.9](#)) on the bonnet, by using screws ([rep.17](#)) and nuts ([rep.14](#)).

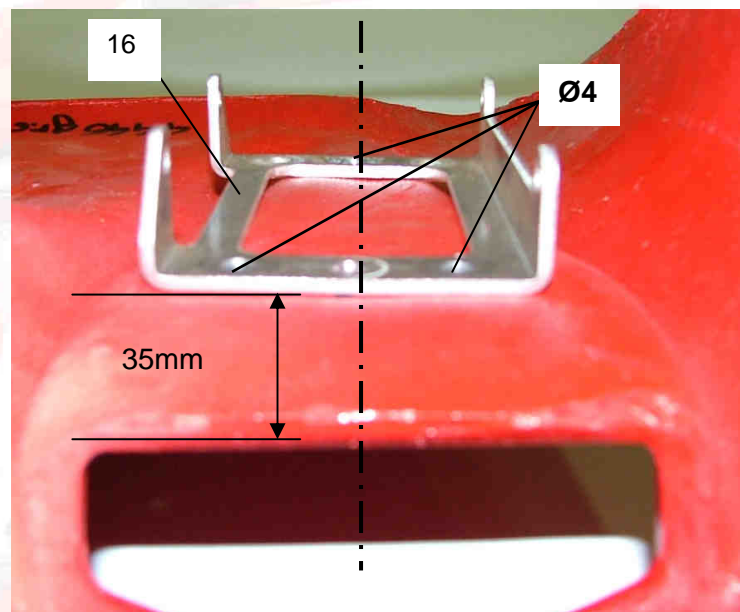


Locate bracket ballast ([rep.16](#)) on the lamp pods, as shown on the opposite picture.

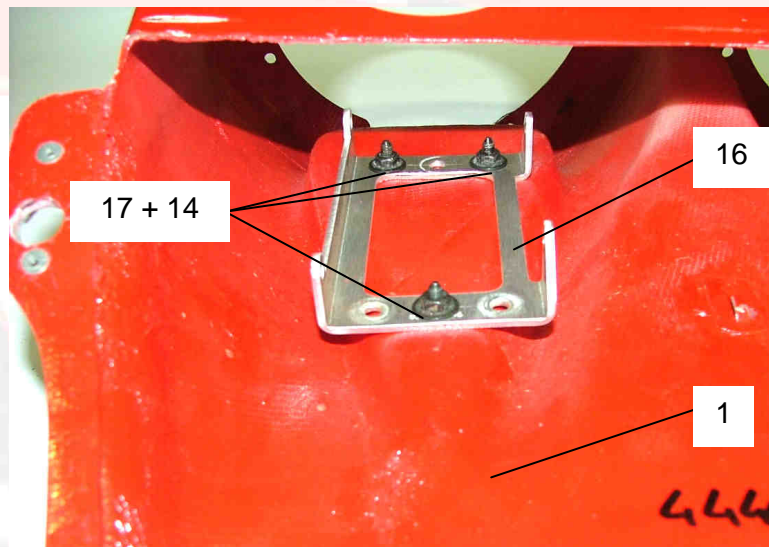


Pay attention to respect bracket assembly side !

Counterpierce lamp pods to **Ø4mm**, for three brackets ballast clamp hole.



Assembly brackets ballast ([rep.16](#)) on the lamp pods ([rep.1](#)) by using screws ([rep.17](#)) and nuts ([rep.14](#)).



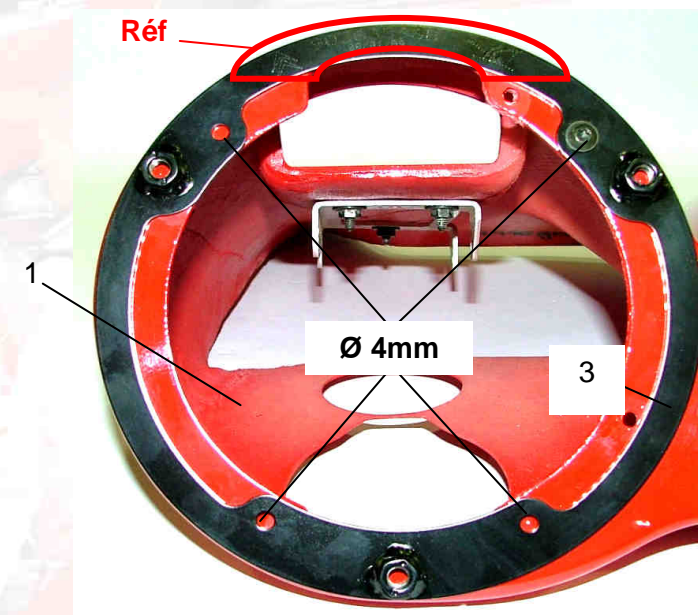
Locate the sealed-beam adjustment plate ([rep.3](#)) on the lamp pods ([rep.1](#)).



Pay attention : the part number has to be on top !



Counterbore all fixing holes of sealed-beam adjustment plate on the lamp pod to  $\varnothing 4\text{mm}$ .



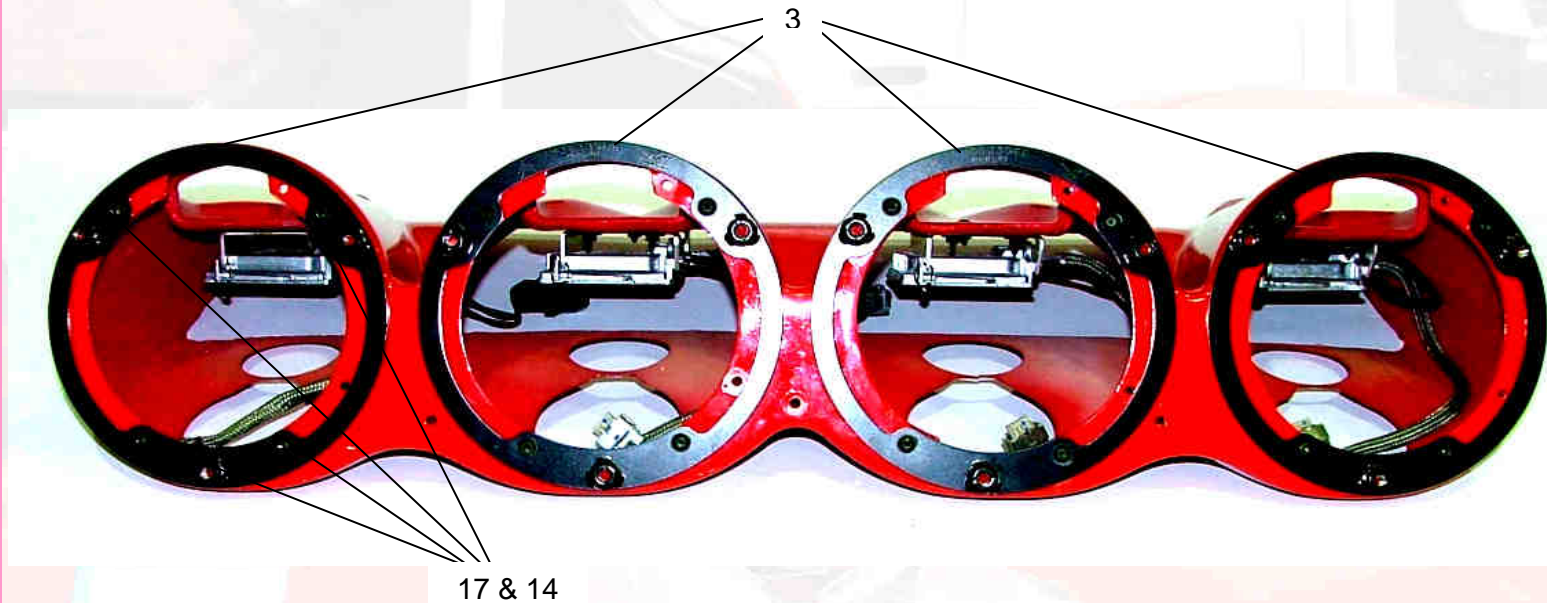
**R6A**  
Lamp pods



**R**  
Body



Assembly four sealed-beam adjustment plates ([rep.3](#)) on the lamp pods by using screws ([rep.17](#)) and nuts ([rep.14](#)).







For permit an adjustemnt of the lamp, it's necessary to drill **Ø 5mm** on the level of srew on the sealed-beam adjustment plates ([rep.3](#)). As shown on the picture below .



Ø 5mm



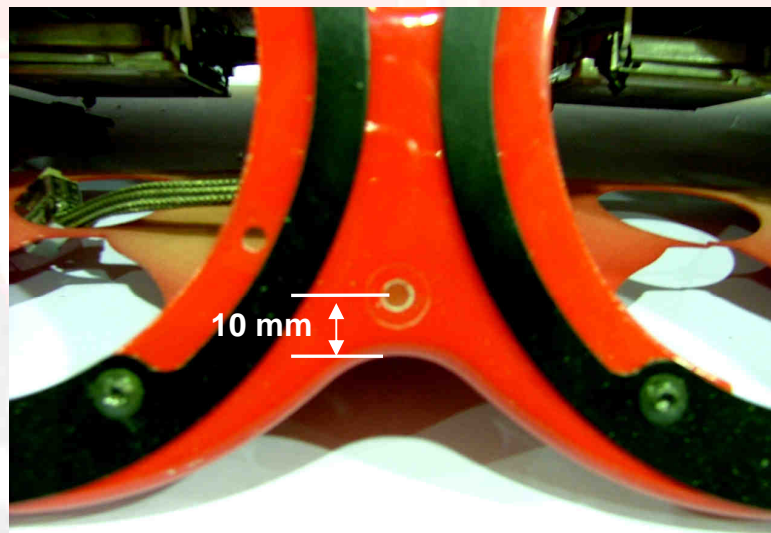
**R6A**  
**Lamp pods**



**R**  
**Body**



Drill the lamp pods to  $\varnothing$  4mm, as shown on the opposite picture.



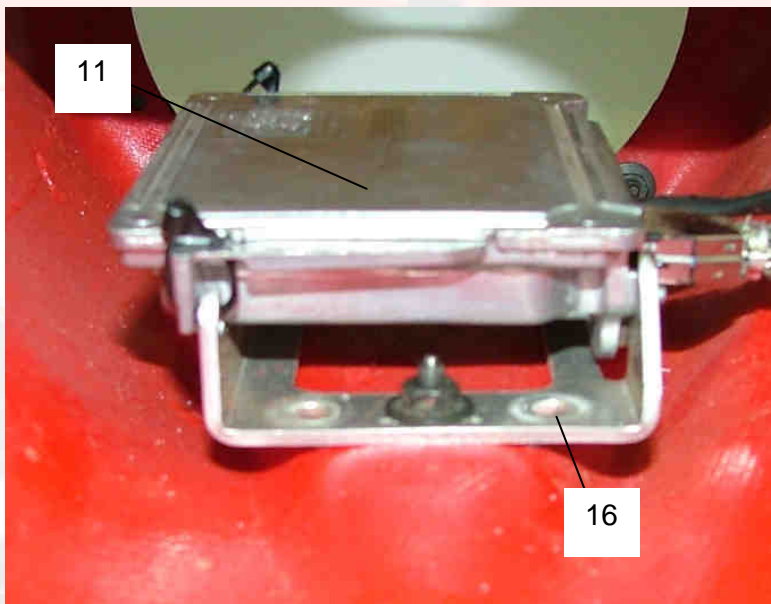
Assembly the spring-loaded angled ball-joint ([rep.22](#)) on the lamp pods.



Pay attention to put washers ([rep.21](#)) on each side of the lamp pods.



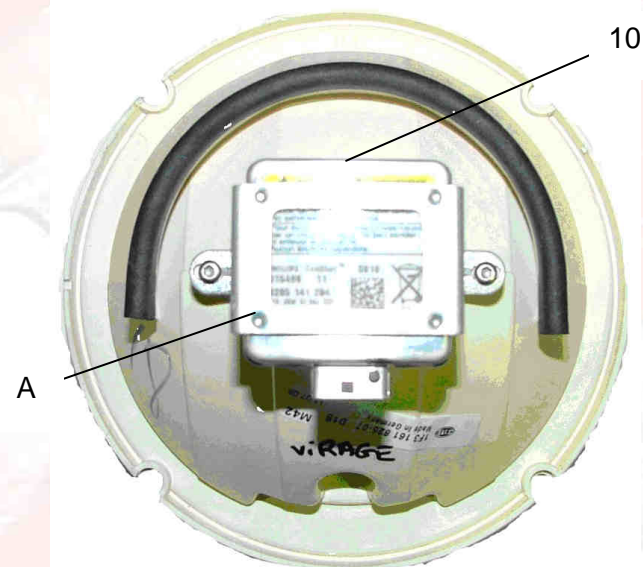
Assembly ballasts ([rep.11](#)) on their brackets ([rep.16](#)) by using tie raps.



Take out the retaining plate ([rep. A](#)) of the lamp, to assembly the 12V project light ([rep.10](#)).

Re-assembly the retaining plate on the lamp.

Do the same thing for each lamp.



**R6A**  
Lamp pods



**R**  
Body

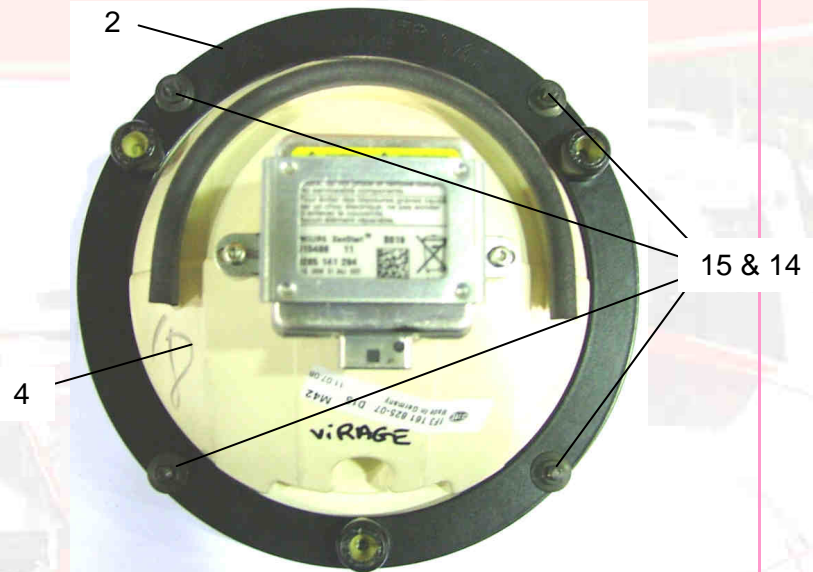




Assembly sealed-beam mounting plate ([rep.2](#)) on lamps ([rep.4](#)) by using screws ([rep.15](#)) and nuts ([rep.14](#)).



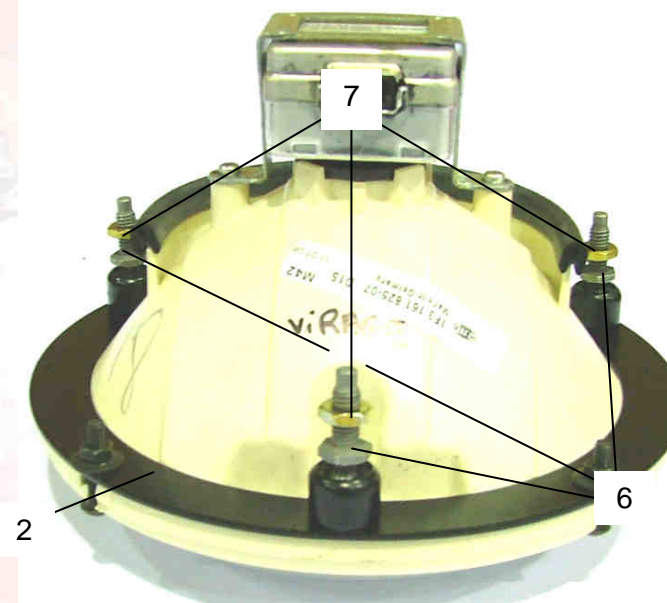
Pay attention : the part number has to be on top !



Clips all screw pins ([rep.6](#)) to sealed-beam mounting plate ball joint emplacements ([rep.2](#)).

Assembly nuts ([rep.7](#)) on screw pins ([rep.6](#)).

(Will be a jam nut for lamp pods setting).





Assembly headlights ([rep.4](#) et [rep.5](#)) on the lamp pods ([rep.1](#)), and connect it to their own ballast.



Pay attention : pencil beam lamps ([rep.4](#)) have to be assembly to the center, and wide angle lamps ([rep.5](#)) to the externals.



**R6A**  
**Lamp pods**

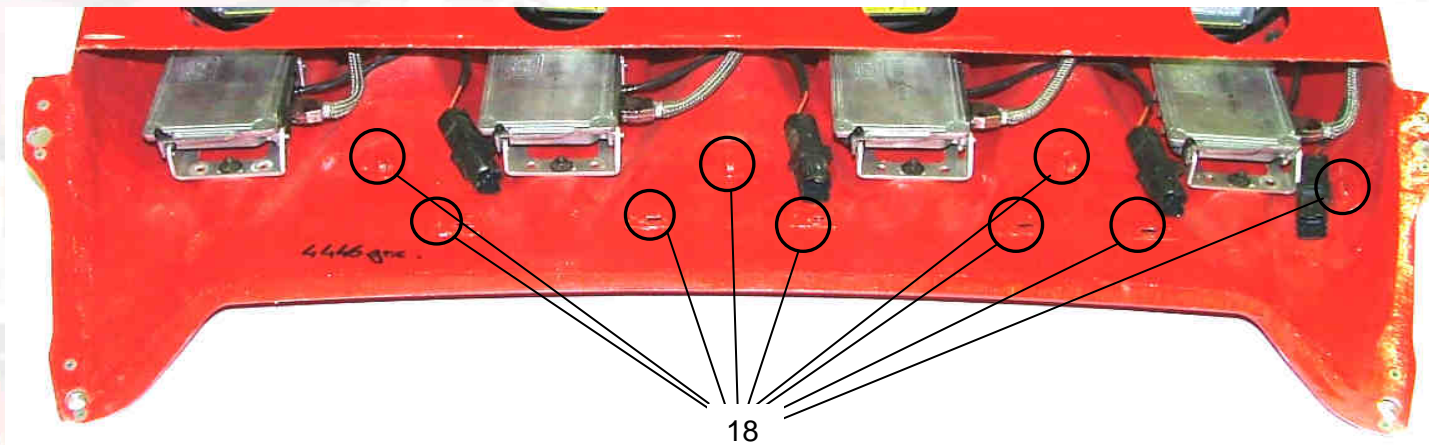


**R**  
**Body**



### Loom assembly :

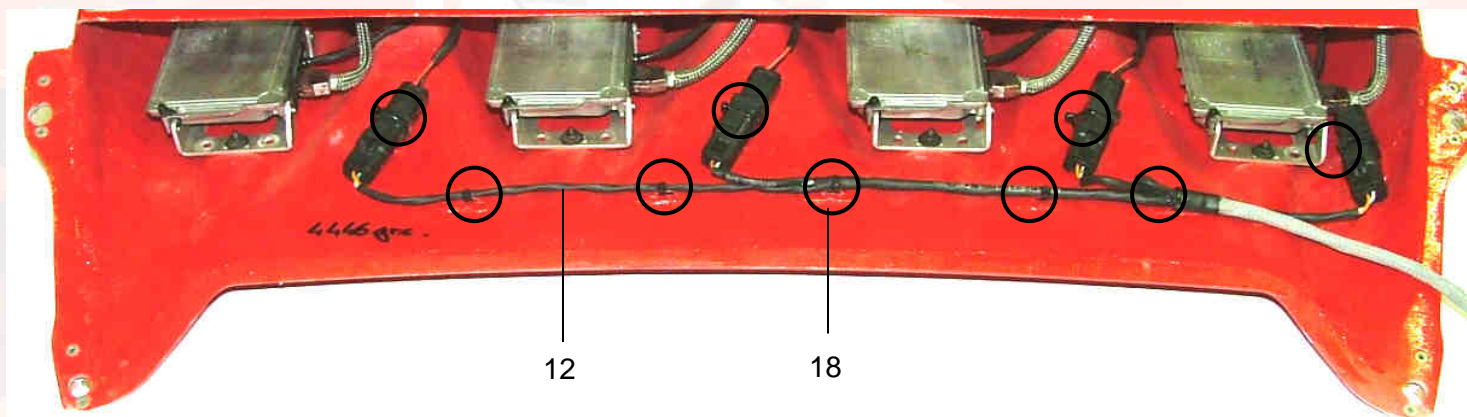
Locate staples loom ([rep.18](#)), as shown on the picture below, and stick it thoroughly.



Structural epoxy  
glue

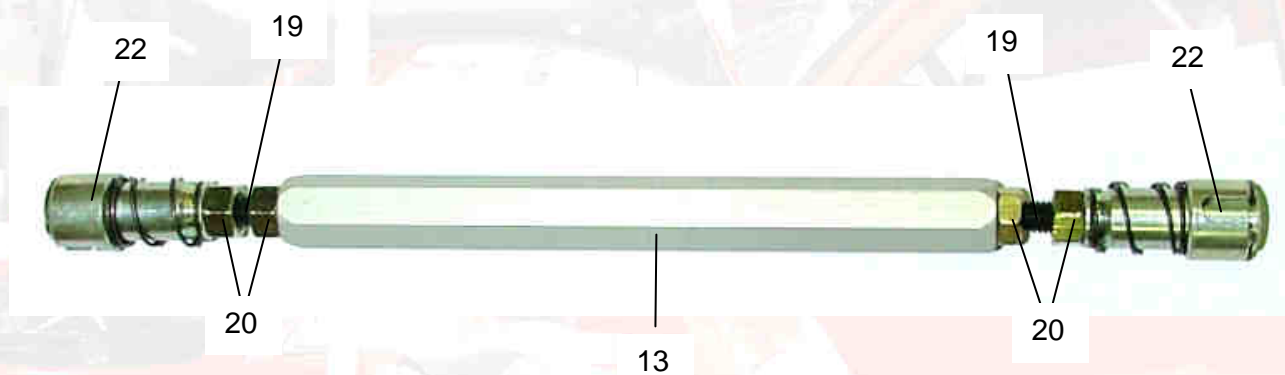
3M dp490

Connect loom ([rep.12](#)) to ballasts, and fit it to staples ([rep.18](#)) with tie-raps.



**Steady bar assembly :**

- 1 – Assembly two headless screws ([rep.19](#)) on the steady bar ([rep.13](#)).
- 2 – Screw two nuts ([rep.20](#)) on each headless screws ([rep.19](#)) (Will be a jam nut for lamp pods setting).
- 3 – Screw locking nuts ([rep.22](#)) on each headless screws.



**R6A  
Lamp pods**



**R  
Body**



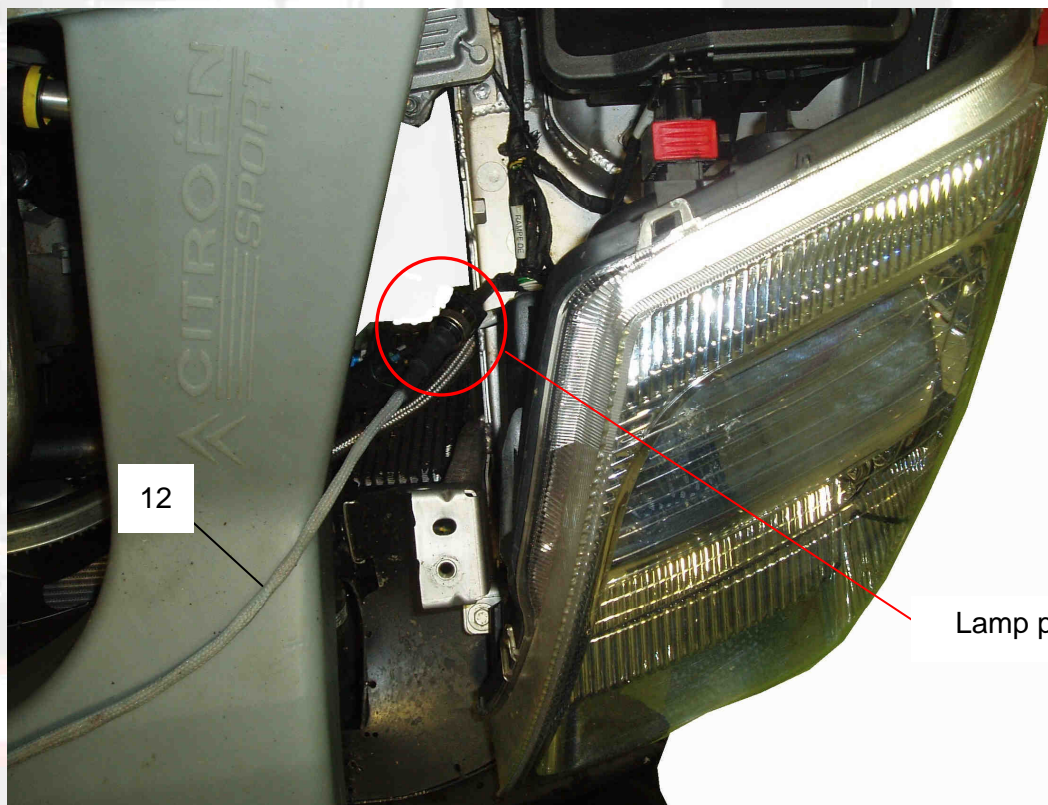
### Lamp pods on bonnet assembly :

Assembly lamp pods on the bonnet by using lock latches ([rep.8](#)). Assembly the steady bar on the lamp pods and drill the front bumper to fit the second spring-loaded angled ball-joint ([rep.22](#)). Connect the bottom of the steady bar and adjust the length of the steady bar to increase stiffness and cancel lamp pods vibrations.





Connect lamp pods loom ([rep. 12](#)) to the front asservissement loom, as shown on the picture below :



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**Lamp pods**



**R**  
**Body**



Let pass the lamp pods loom between the bonnet and the front bumper, as shown on the opposite picture.



### Lamp pods power :

Switch on the lamp pods by « Light » button on the carbon switch panels.

