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## HELIOS ILLUSTRATED PARTS LIST

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## 1. INTRODUCTION

### 1.1 Purpose

This document is designed to show the 'as-delivered' items for a standard Helios installation.

### 1.2 Scope

This document shows those parts that may be delivered for the Helios Signal Head. It is not an exhaustive representation of all variations available. For a list of the Helios variations, see 667/1/30200/ETC.

The illustrations in this document are representations only and are not to scale. Actual parts supplied may differ in small detail.

### 1.3 Related Documents

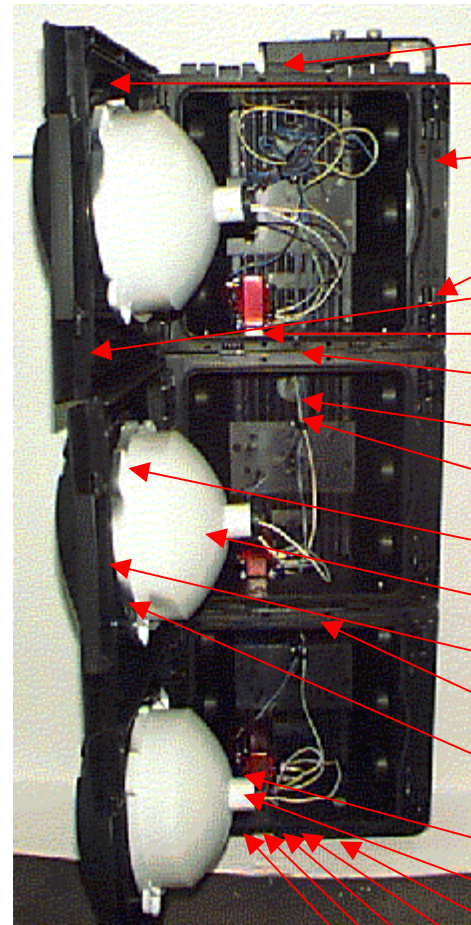
667/HB/30000/000	Helios General Handbook
667/PA/30200/000	Helios Support Plan

### 1.4 Issue History

Pages	Current Issue	Type	Part ID
All	1.00	AMW	667/LP/30200/000

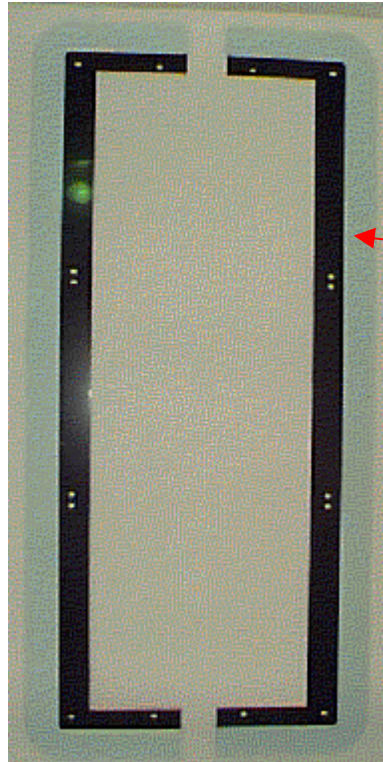
## 2. THE ILLUSTRATIONS

Pages 3 to 9 show the Helios parts..



## STANDARD 3 ASPECT HELIOS SIGNAL HEAD ASSEMBLY BOX 1 OF 2

1	Smooth sacrificial cap		
3	Enhanced door		
3	Main body		
12	Door sliding clip		
3	Seal between body and door		
3	Lamp transformer	6	Plas-tech 25 – 4.0mm dia x 10mm st. steel pan hd pozi screw (Transformers) Torque setting 1.35Nm
2	Seal between bodies	4	4.8mm dia x 45mm st. steel self tap pan hd pozi screw (Inter-body)
1	Transformer earth link		
	12.7mm dia 'P' clip	3	Plas-tech 25 – 4.0mm dia x 10mm st. steel pan hd pozi screw Torque setting 0.8Nm
3	200mm enhanced optic		
3	Enhanced optic reflector	12	Plas-tech 25 – 5.0mm dia x 12mm st. steel pan hd pozi screw (P_clip) Torque setting 0.8Nm
3	Seal between lens and door		
1	Rating label		
3	Seal between lens & reflector		
3	Ceramic lamp socket	6	Plas-tech 25 – 3.0mm dia x 10mm st. steel pan hd pozi screw (Lamp socket – lamp holder) Torque setting 0.8Nm
3	Moulded plastic lamp holder		
1	Toothed sacrificial cap	4	Hex head st. steel M10 x 25mm set screw (Sacrificial cap to bracket) Torque Setting 27Nm max
2	Modular bracket fixing cap	4	M10 form C st. steel washer
2	Bracket	4	M10 st. steel nut
2	End cap	4	M10 st. steel spring washer
2	Seal end cap to body	10	Plas-tech 25 – 5.0mm dia x 12mm st. steel pan hd pozi screw (End caps)
		2	Socket cap head st. steel M10 x 30mm bolt (Sacrificial cap) Torque Setting 27Nm max
		2	M10 st. steel washer



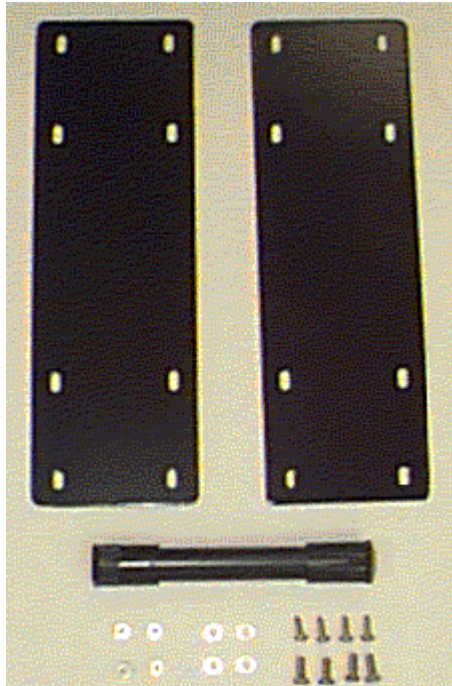
**STANDARD 3 ASPECT HELIOS  
SIGNAL HEAD ASSEMBLY  
BOX 1 OF 2, BOX 2 OF 2, OR  
PACKED SEPARATELY**

Backing board

2 inline and 3 inline backing boards to be included in box 1

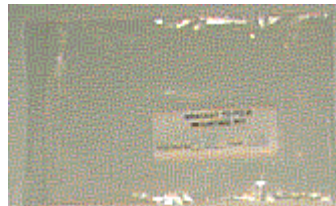
1 at side and 2 at side backing boards to be included in box 2.

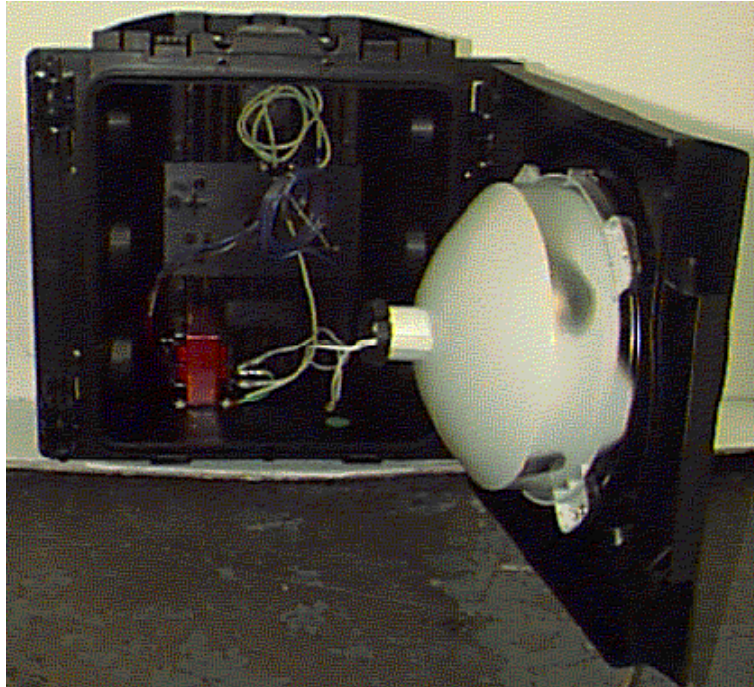
4 inline backing boards to be packed separately.



## SIDE BODY FIXING KIT BOX 2 OF 2

- 2 Side to side mounting plate (not in plastic bag)
  
- 1 Main body to side box conduit kit
- 4 Plas-tech 25 – 5.0mm dia x 12mm st. steel pan hd Pozi screw
- 4 M5 st. steel washer
- 4 M5 st. steel nut
- 4 M5 x 12mm st. steel hex hd set screw
  
- 1 Polythene Bag



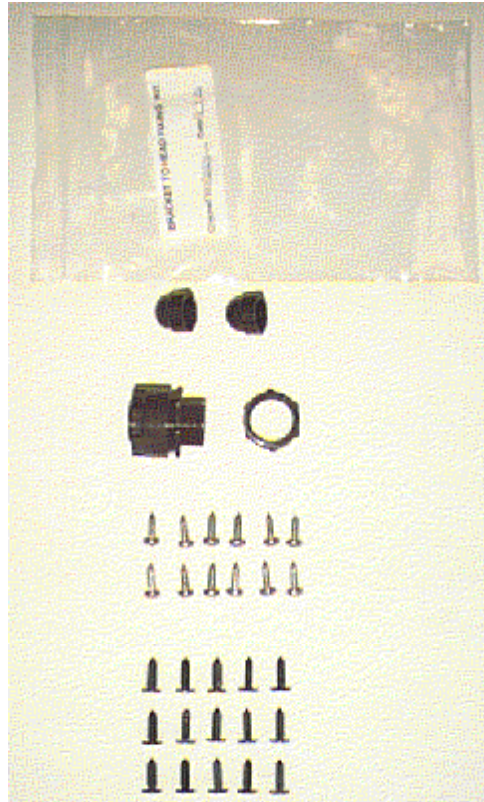


## **INLINE MODULE / SIDE MODULE ASSEMBLY BOX 2 OF 2**

Additional in line module or side module assembly

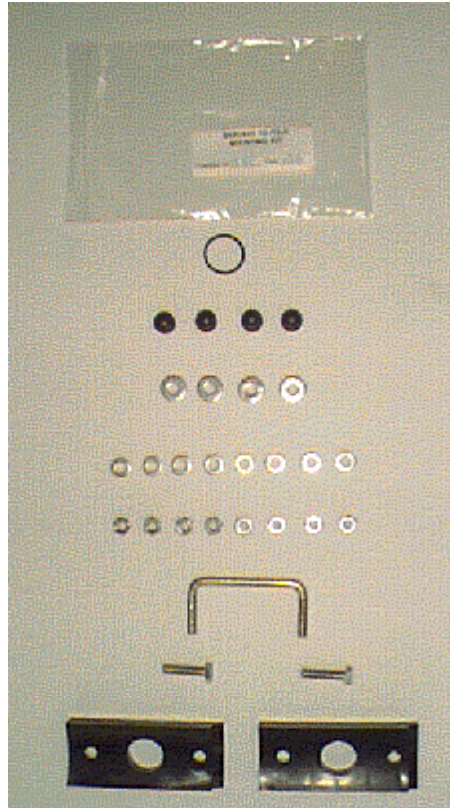
For side module include side body fixing kit and drill  
conduit holes 19mm dia in the central position.

For an additional in line aspect drill 2 - 3mm dia pilot  
holes in the bottom of the 3 aspect module in box 1 for  
the fixing screws.  
Fit the O ring to seal between aspects.  
The 4 in line bracket is to be fitted to the bottom of this  
module with no end cap on the top of the module.



## HEAD TO POLE, HOOD AND BACKING BOARD KIT BOX 2 OF 2

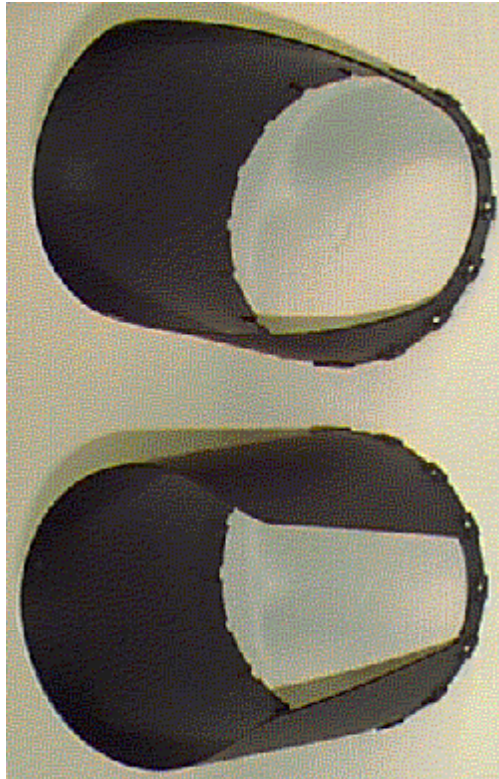
- 1 Polythene Bag
- 2 M10 black nut cap
- 1 25mm black nylon conduit adapter
- 1 25mm black nylon conduit locking ring
- 12 Plas-tech 25 – 5.0mm dia x 12mm st. steel pan hd pozi screw (Backing boards)  
**Extra 4 for 4 aspect and side backing boards**
- 15 Heyco fir tree clip  
**Extra 5 for each additional hood**



## BRACKET TO POLE POLY BAG KIT BOX 2 OF 2

- 1 Polythene Bag
  
- 1 1-1/8 ID Dowty flexible conduit into pole O-ring seal
- 4 M8 black nut cap
- 4 M8 form C st. steel washer
- 8 M8 st. steel washer
- 8 M8 st steel nut
  
- 1 M8 U bolt
- 2 M8 x 35mm st. steel set screw
  
- 2 Pole spacer





**HOODS**  
**BOX 2 OF 2**

Primary hood

3

Secondary hood