

Lamphouse Replacement Kit

Pre-Order Review

Express Imaging Systems, LLC is pleased to announce the release of the latest generation of lamphouse for its line of ExpressScan scanners. Please contact EIS for pricing and availability.

Table 1 is a list of items included in the The Lamphouse Replacement Kit, PN# 23617348 Rev B.

Table 1: Lamphouse Replacement Kit, PN# 23617348 Rev B Parts

Description	Part Number
Lighthouse Assembly	80532143
Red, Green, & Blue Resistor Kits	42253030, 59122942, 45383436
Camera cover label	78311955
Cooling air hose bracket	14611743
Black window frame	66906813
Assorted screws, including:	38138637
Optional Parts:	
Power Supply Assembly	18197051
RGB Lamp Controller Interface board (RGB board),	43672535

If you are replacing an existing lamphouse, please take a few moments to look over the following pages and confirm which parts to order. Not everyone will require a new power supply and/or RGB board. You may already have the optional parts installed. Record the SN# of the lamphouse you intend to replace.





Table 2: What should I order?

Do you have?	Power Supply	RGB Board	ORDER
ES4B 35mm & APS	NO	NO	Lamphouse Replacement Kit PN# 23617348
ES4B 35mm & APS	YES	NO	Lighthouse Assembly, PN# 80532143 & RGB Board, PN# 43672535
ES4B 35mm & APS	NO	YES	Lighthouse Assembly, PN# 80532143 & Power Supply 12247225
ES4B 35mm & APS	YES	YES	Lighthouse Assembly, PN# 80532143

Do You Require a New Power Supply?

The following table demonstrates the differences between the old and the new power supply. If your scanner is still operating with the old power supply you will need to replace it before you install the new lamphouse. If you already have the new power supply installed, you do not need to order another power supply.

Table 3: Power Supplies






Power Supplies	Old	New
Part Number	12193756	18197051 (incl.12247225)
Description	Power Supply, 48V, 50W, Universal Input, CE Approved	Power Supply, 225W 48VDC W/Cover
Model Number	JY48001G	CE-225-1007
L x W x H	6" x 4" x 1 1/2"	8" x 4 3/4" x 2 1/4"
Front		
Back		
Notes	Power Supply Assembly PN# 18197051 includes the Power Supply PN# 12247225. Cable PN# 40508529 to be reused.	

Do You Require a New RGB Board?

The following table demonstrates the differences between an old RGB Board and a new RGB board. If your current lamphouse is operating with an old RGB board, you will be required to replace it before you install the new lamphouse.

If you already have a new RGB board, you do not need to order another RGB board. However, you will have to install new Red, Green & Blue resistors on your RGB board as each lamphouse requires a unique set of resistors to operate properly.

Table 4: RGB Boards

	Old	New
Part Number	43672535	43672535
Close Up of Pins	Soldered Resistor Pins with Resistors 	Resistor Pins with no Resistors 
Full View		
Note	Old RGB boards with soldered resistors must be returned to the factory and should not be used with the new lamphouse. New boards will take the removable resistors.	Removable Resistor Kit Installed 



General Maintenance

If you plan to replace the lamphouse on your ExpressScan scanner, take a moment to see if your ExpressScan scanner is up to date with all the latest parts and assemblies.

Have you Reconfigured the DX Camera Mount?

The following table demonstrates the two types of DX camera mounts. Changing out the DX camera mount can be easily performed at the same time you are replacing the lamphouse. If you have not previously reconfigured the DX camera mount, you may wish to order the parts to do so at this time. Please contact EIS for pricing and availability.

Table 5: DX Cameras

	Old DX Camera Mount	New DX Camera Mount
Part Number	PN# 2304617 Rev F	PN# 23046017 Rev G
Side View		
Notes	Mount Assembly does not include the DX Camera. Reuse the DX Camera.	

Have you upgraded the Film Clamp?

The following table demonstrates the difference between the two types of film clamps. Changing out the film clamp Assembly can be easily performed at the same time you are replacing the lamphouse. If you have not previously reconfigured the Film Clamp Assembly, you may wish to order the parts to do so at this time. Please contact EIS for pricing and availability.

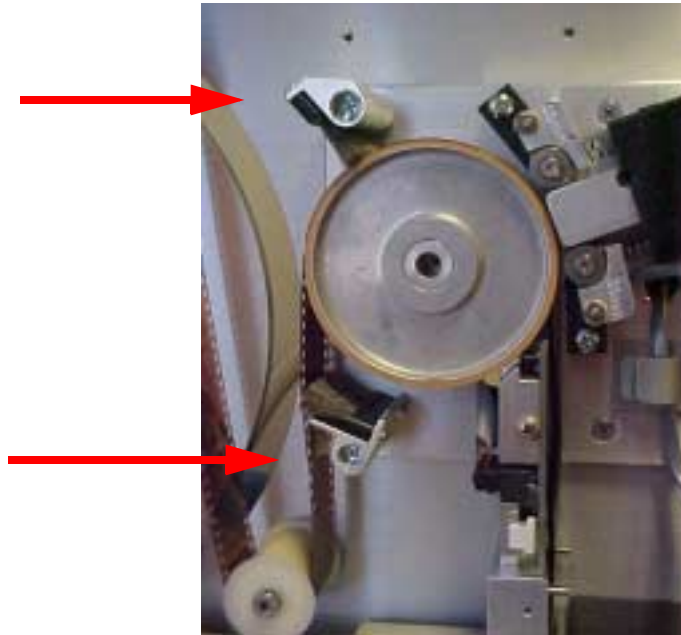
Table 6: Film Clamp Assembly

	Old Film Clamp	New Film Clamp
Part Number	75523444 APS Rev A 80793435 35mm Rev A	75523444 APS Rev C 80793435 35mm Rev C
Side View		
Notes	The primary difference between the old and the new Film Clamp Assembly is PN # 47938638.	Shaft Adapter PN# 47938638 

Would You Like to Install a Brush Kit?

The Anti-Static Brush Kit PN# 41027538 safely removes dust and dirt particles that may be present on the film. Please contact EIS for pricing and availability.

The following image is of the brush kit as it appears installed on an ExpressScan scanner.



When Was the Last Time You Replaced the Following?

General maintenance for any scanner requires the periodic replacement of certain parts. If you have not recently replaced any of the following parts, replacing them at the same time you install the new lamphouse is recommended.

PN# 62000313 FILTER PACK, HEPA \$375.39

Note: Hepa filters should be replaced once per year to keep the inside of the scanner clean and maintain air flow.

PN# 78645030 ROLLER, 46MM \$41.60

Note: 46MM Rollers, or 'tacky' rollers lose the ability to pick up dirt and dust over time and should be replaced every 6 months. Use these with the Brush Kit for best performance.

PN # 48381736 O-RING, QUAD #214 \$0.80

Note: The rubber rings on the encoder rollers can dry out over time and should be replaced once per year. Motion errors can occur when film slips on dry rings.

PN# 66936823 O-RING, 1/2 ID 3/4 OD 1/8 TH \$0.52.

Note: The bumpers on the film clamp can dry out over time and should be replaced once per year.