

8. Replacement Parts

In this Chapter you will find:

- general information on how to use this manual
- a description of the various MCS Perfect Match Manuals
- information on how to order replacement parts and accessories
- directions on how to contact MCS, Inc.
- a list of spare parts

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8-3 General Information

Introduction

This chapter shows the replacement parts, and accessories, that are available for the MCS Perfect Match Micro Vision Camera.

Products described in this chapter, and products that can be used with the systems, are under continuous development and are subject to continuous improvement.

We at **MCS, Inc.** are always pleased to receive any suggestions on how we might improve this manual or any of products described in it.

Who Should Use This Parts List?

The *Parts List* is intended for use only by **MCS, Inc.** service personnel and those customers who have qualified, trained service or maintenance personnel.



WARNING: Customers who intend to service and maintain the Perfect Match System themselves must only have qualified personnel perform those procedures. Qualified personnel are considered to be those persons who have undergone the proper technical training (successful completion of a training course covering this equipment), have experience to work on this equipment, and are aware of the hazards to which they will be exposed.

How to Use This Parts List

The Part List identifies all replacement parts available for the MCS Perfect Match Micro Vision Camera. Select the desired part from the description and order the corresponding part number.

8-4 Other Manuals for Your MCS, Inc. Perfect Match Micro Vision Camera System

MCS Perfect Match Micro Vision Camera Help Files

The *Operator Help Files* includes information needed to properly install, configure and operate the MCS Perfect Match Micro Vision Camera System.

Keep manuals for future reference, even if you choose to have **MCS, Inc.** or one of its distributors maintain and service the system. These manuals are intended as a supplement to, but not as a replacement or, **MCS Inc.** Customer Training.

8-5 Ordering Replacement Parts, Accessories

How to Order

When ordering replacement parts or accessories for your **MCS, Inc** Perfect Match Micro Vision Camera System, please have the following information available for the **MCS, Inc.** Customer Service Representative to ensure a quick and easy ordering process:

- your customer number
- your name and telephone number
- your purchase order (P.O.) number
- your method of payment
- the preferred method of delivery
- the part number and quantity of all items required

How to Contact MCS, Inc.

To order parts for you **MCS, Inc.** Perfect Match Micro Vision Camera System, please contact **MCS, Inc.** at 1-800-728-0154 Ext. # 2012 (for all customer in the United States) or for technical support assistance for you **MCS, Inc.** Perfect Match Micro Vision Camera System, please contact **MCS, Inc.** Tech Line at 1-877-627-7769.

MCS, Inc.

8101 Cessna Avenue
Gaithersburg, MD 20879

U.S.A.

Phone 1-800-728-0154

Fax: 1-877-797-1981

Web: [MCS Perfect Match MicroVision Camera Systems](#)

8-6 Replacement Parts List

This parts list corresponds to the illustration shown in Figure 8-1.

Index Number	Part Number	Part Description
FIG 8-1	5-50-0126-00	MCS Perfect Match Refurbished Camera Controller
	5-00-2812-01	MCS Array Perfect Match Camera Controller

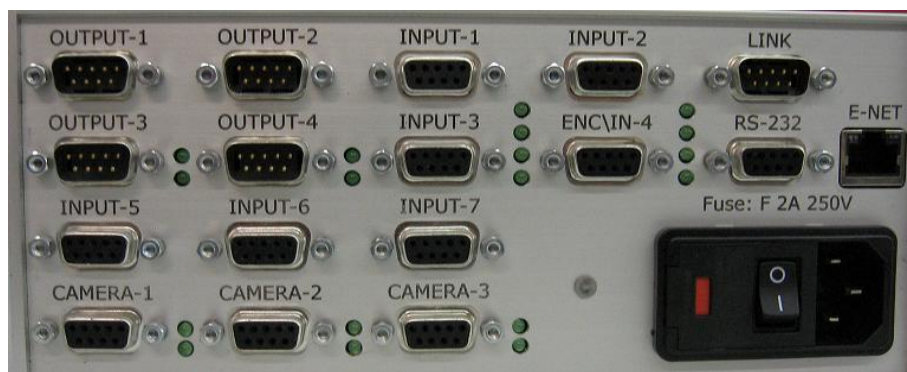
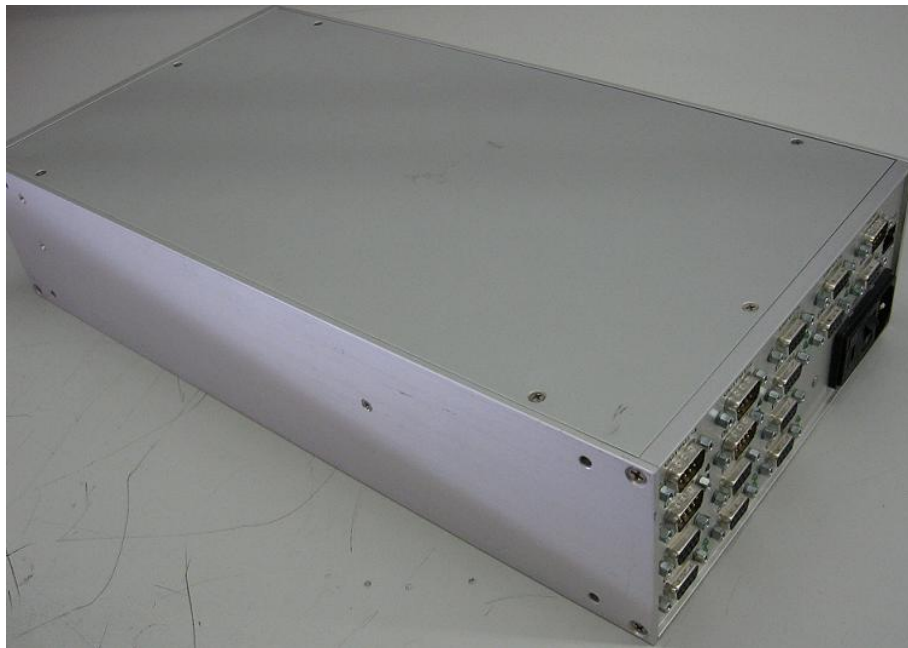


Figure 8-1

This parts list corresponds to the illustration shown in Figure 8-2.

Index Number	Part Number	Part Description
FIG 8-2	5-00-2703-00	Array Sapera / Coreco Dongle & License File



Figure 8-2

This parts list corresponds to the illustration shown in Figure 8-3.

Index Number	Part Number	Part Description
FIG 8-3	5-00-2704-00	MCS USB Array PM Camera
	5-40-2704-00	MCS USB Array Refurbished PM Camera



Figure 8-3

This parts list corresponds to the illustration shown in Figure 8-4.

Index Number	Part Number	Part Description
1	5-00-2716-00	Array 4 Port USB 2.0 Hub DUB-H4
2	5-00-2798-00	Array USB 2.0 Cable [Camera to Hub]



Figure 8-4

This parts list corresponds to the illustration shown in Figure 8-5.

Index Number	Part Number	Part Description
FIG 8-5	5-00-2707-07	Array USB Camera Focus Tool



Figure 8-5

This parts list corresponds to the illustration shown in Figure 8-6.

Index Number	Part Number	Part Description
FIG 8-6	2-00-0106-08	USB 2.0 Fast Ethernet Adapter



Figure 8-6

This parts list corresponds to the illustration shown in Figure 8-7.

Index Number	Part Number	Part Description
1	5-00-2709-00	Array Cable with Connector for Exit Sensor – 30 Ft.
2	5-00-2708-00	Array Banner “Q23SN6DQ” - Exit Sensor



Figure 8-7

This parts list corresponds to the illustration shown in Figure 8-8.

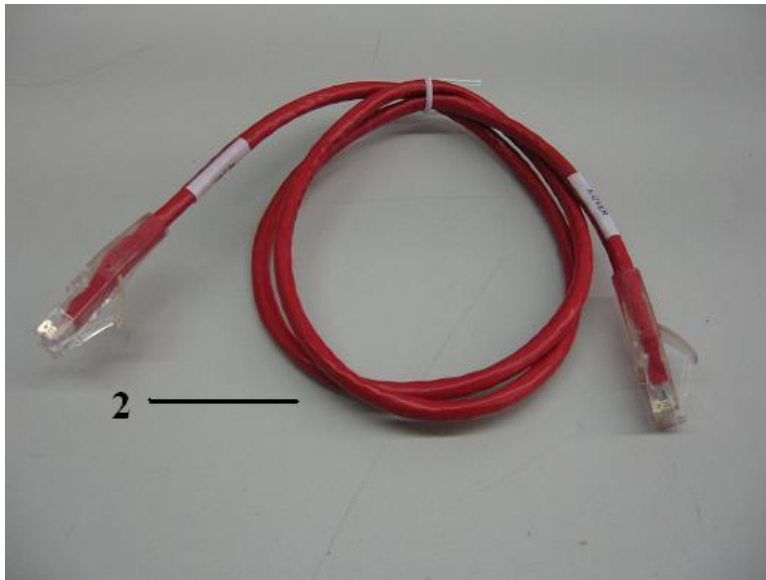
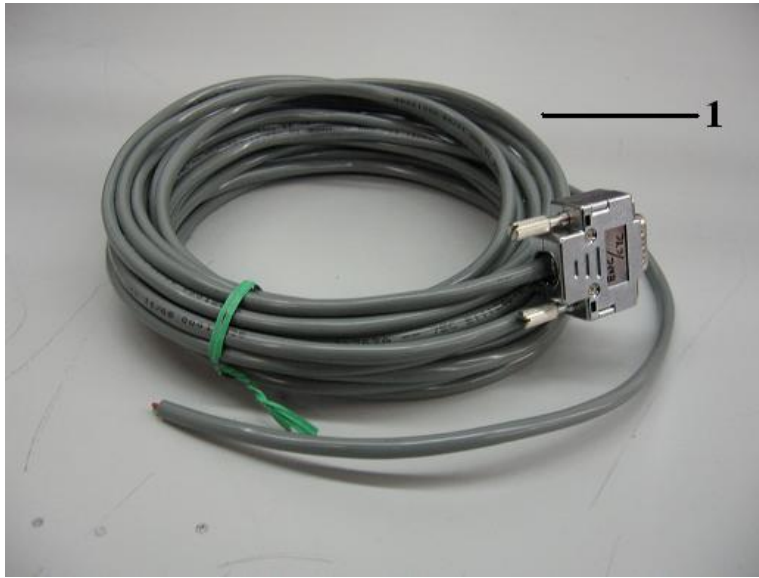
Index Number	Part Number	Part Description
1	5-00-2431-00	Perfect Match Reflective Sensor Cable 30 Ft.
2	5-00-2430-00	Array Banner “SME312LVQD” Output Sensor



Figure 8-8

This parts list corresponds to the illustration shown in Figures 8-9.

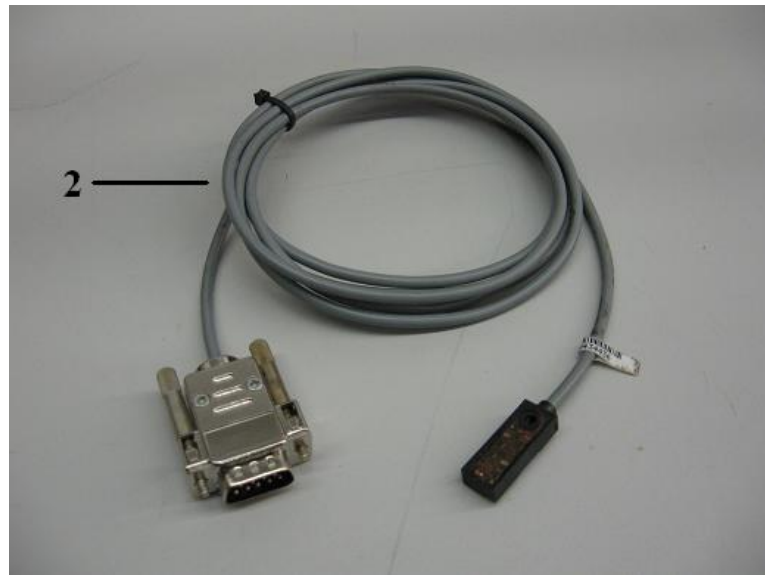
Index Number	Part Number	Part Description
1	5-00-2715-00	Array Encoder / Cycle Input Cable- 27 Ft.
2	5-00-2827-00	Array Ethernet Cross Over Cable – 3 Ft.



Figures 8-9

This parts list corresponds to the illustration shown in Figure 8-10.

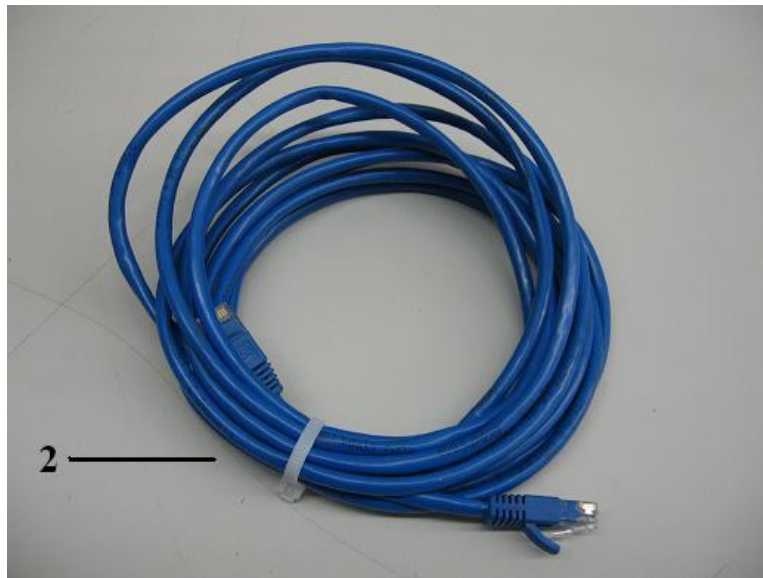
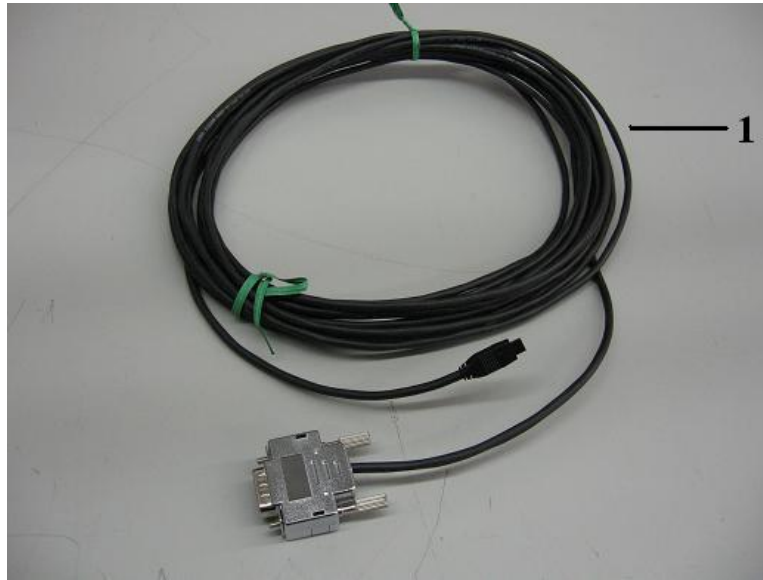
Index Number	Part Number	Part Description
1	5-00-2820-00	Array Divert Cable – 12.5 Ft.
2	5-00-2719-00	Array Pepperl Proximity Sensor Cable Conn. – 31 Ft.



Figures 8-10

This parts list corresponds to the illustration shown in Figure 8-11.

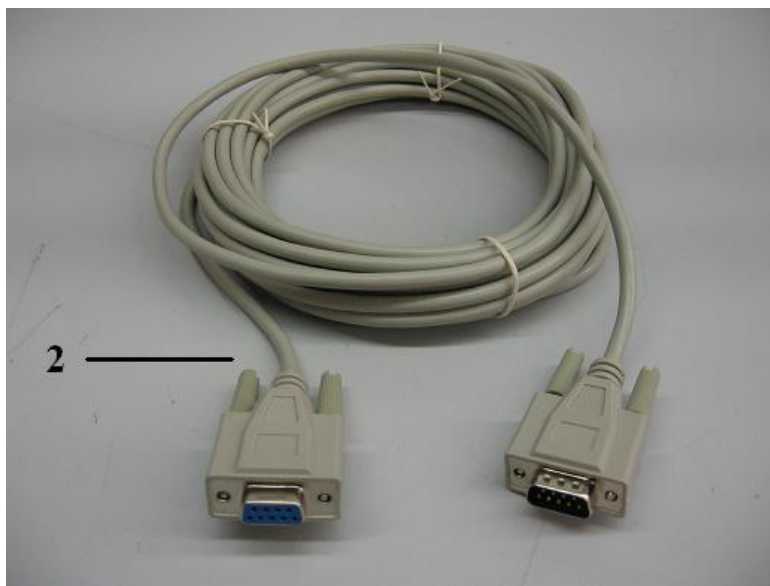
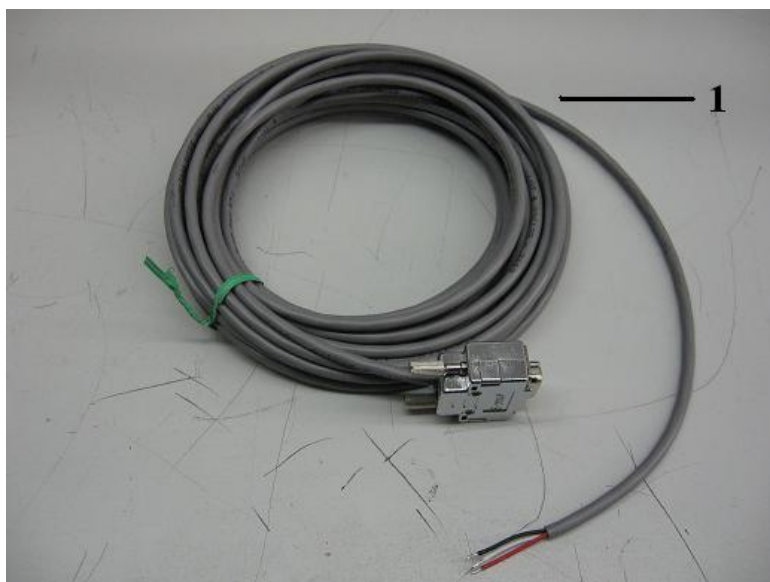
Index Number	Part Number	Part Description
1	5-00-2705-00	Array Camera Trigger Cable- 25 Ft.
2	5-00-2968-00	Ethernet Cable for GIG-E Camera System - 7 Ft.



Figures 8-11

This parts list corresponds to the illustration shown in Figure 8-12.

Index Number	Part Number	Part Description
1	5-00-2821-00	Array E-Stop Cable – 25 Ft.
2	5-00-2807-00	Array DB9M ⇔ DB9F Cable – Pin to Pin – 5 Ft.



Figures 8-12

This parts list corresponds to the illustration shown in Figure 8-13.

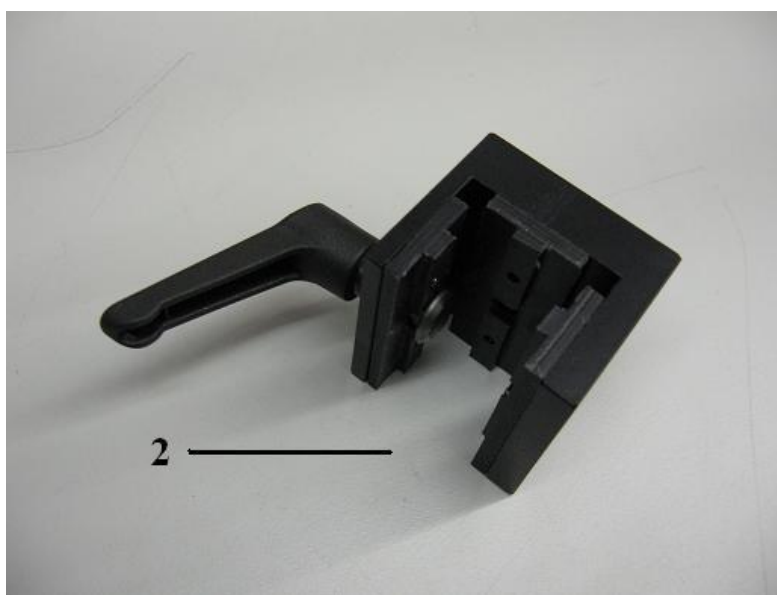
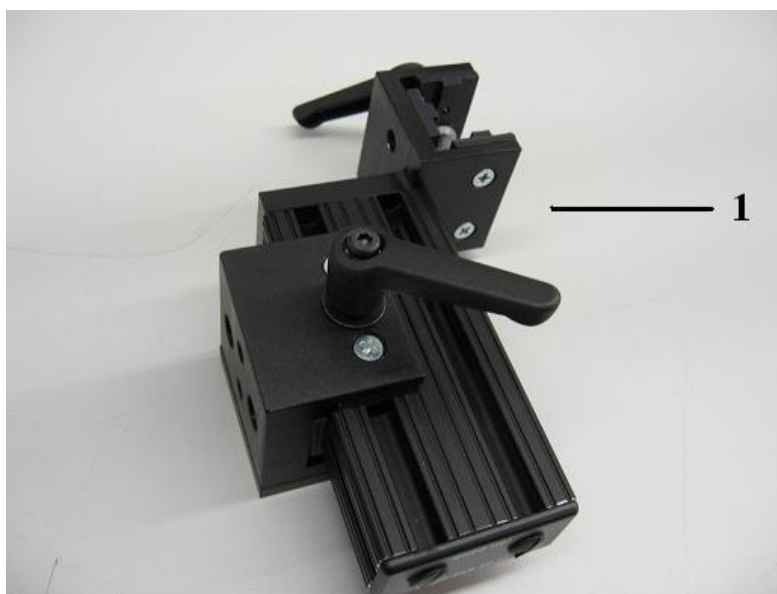
Index Number	Part Number	Part Description
1	5-00-4062-00	Array DB9F ⇔ DB9F Link Cable
2	5-00-0108-00	Array Cable, Print Head (Pro-800)



Figures 8-13

This parts list corresponds to the illustration shown in Figure 8-14.

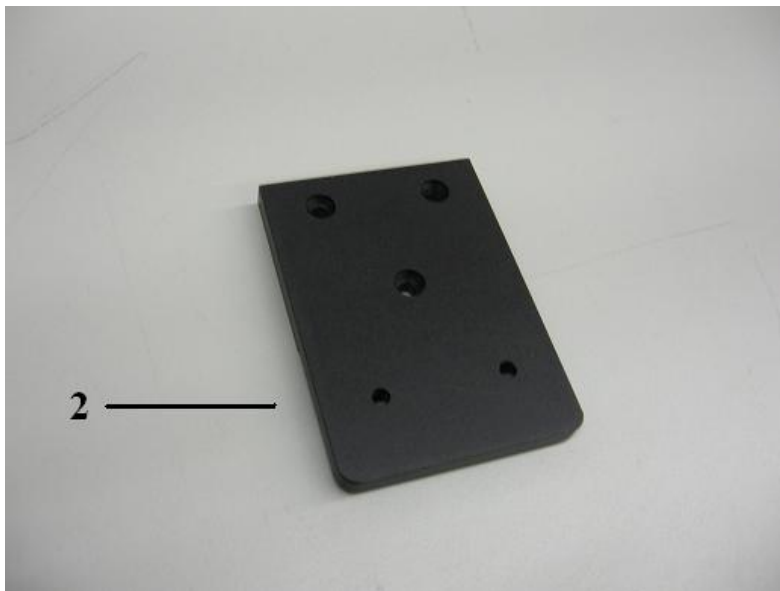
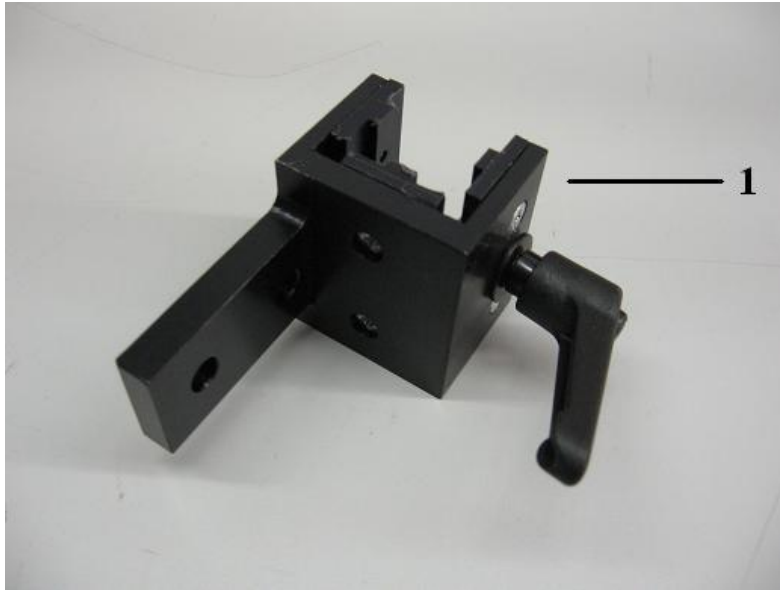
Index Number	Part Number	Part Description
1	5-00-4163-00	CNC Output Camera Mount Kit
2	5-00-2933-00	CNC Camera Slide Mount



Figures 8-14

This parts list corresponds to the illustration shown in Figure 8-15.

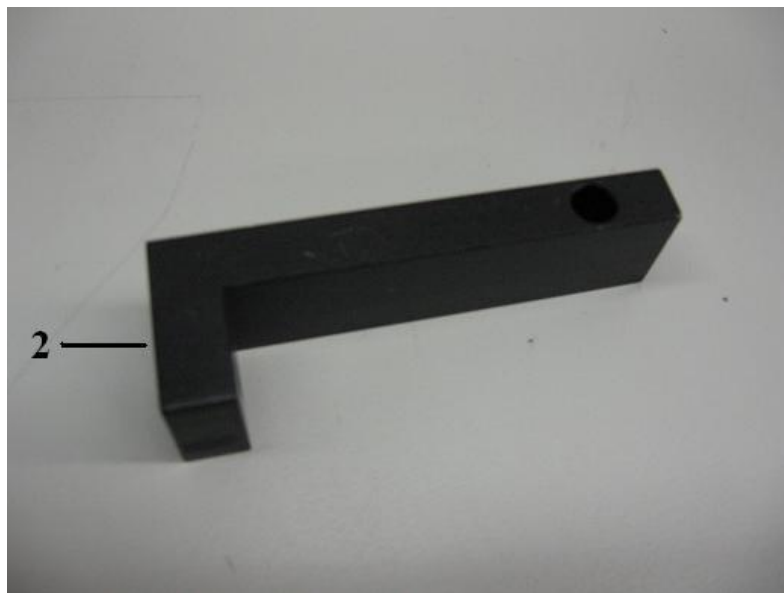
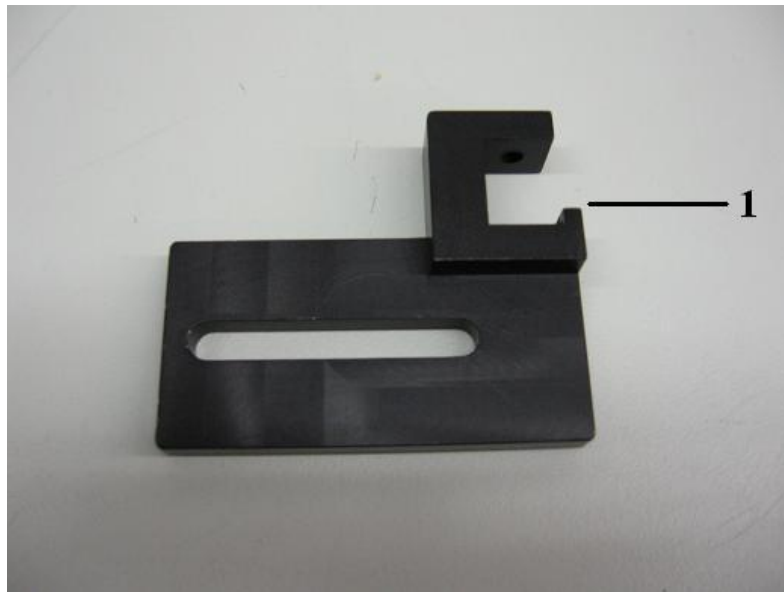
Index Number	Part Number	Part Description
1	5-00-2939-00	CNC Narrow Flange
2	5-00-2938-00	CNC Camera Mounting Plate



Figures 8-15

This parts list corresponds to the illustration shown in Figure 8-16.

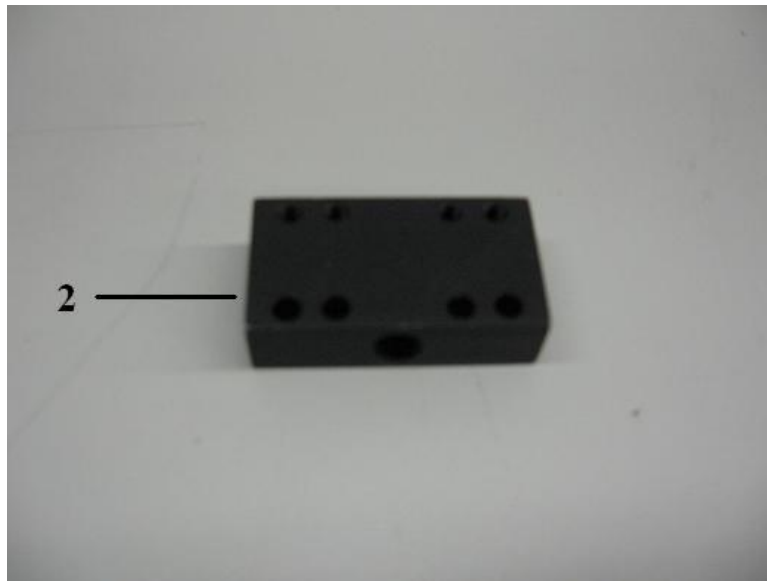
Index Number	Part Number	Part Description
1	5-00-4162-00	CNC GBR-001 Slide Mount
2	5-00-4171-00	CNC UCM-002 Rod Hanger



Figures 8-16

This parts list corresponds to the illustration shown in Figure 8-17.

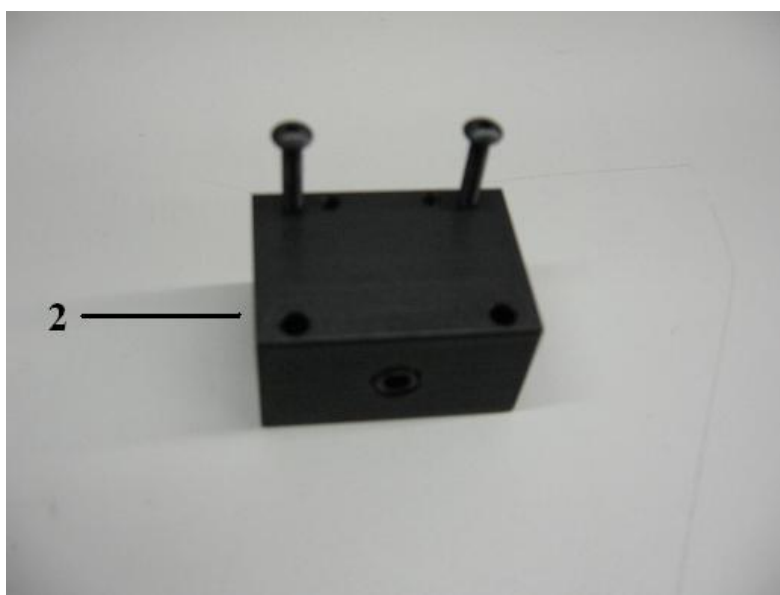
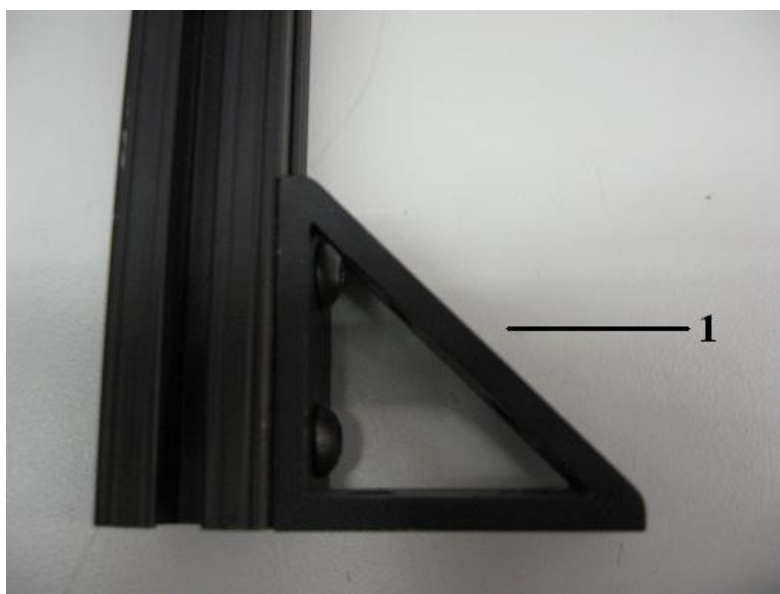
Index Number	Part Number	Part Description
1	5-00-4170-00	CNC UCM-003 Shaft
2	5-00-4169-00	CNC UCM-001 Sensor Mount



Figures 8-17

This parts list corresponds to the illustration shown in Figure 8-18.

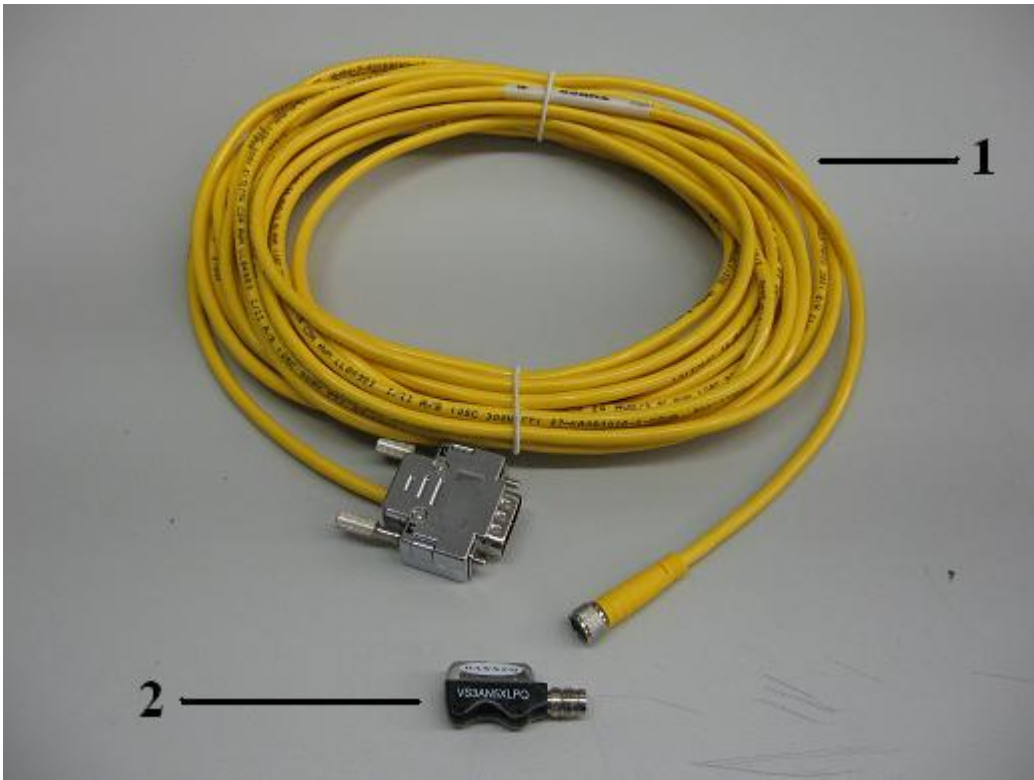
Index Number	Part Number	Part Description
1	5-00-2964-00	80/20 10 S 4 Hole Inside Corner Gusset Bracket
2	5-00-2171-00	Dual Sensor Purpose Mount Bracket



Figures 8-18

This parts list corresponds to the illustration shown in Figure 8-19.

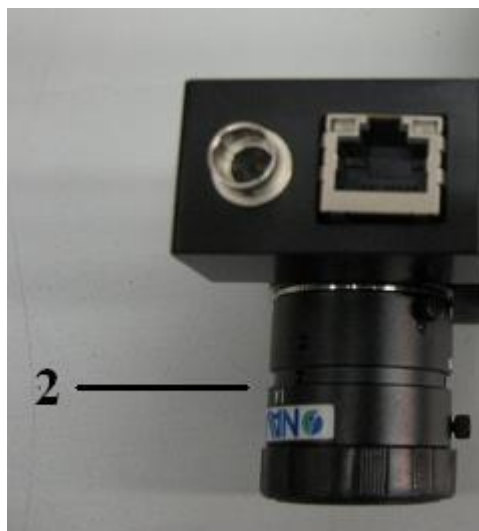
Index Number	Part Number	Part Description
1	5-00-2078-00	Array Cable Assy. DB9F for [VS3RN5XLPQ]
2	5-00-2140-00	Array Polarized Eye Sensor [VS3RN5XLPQ]



Figures 8-19

This parts list corresponds to the illustration shown in Figure 8-20.

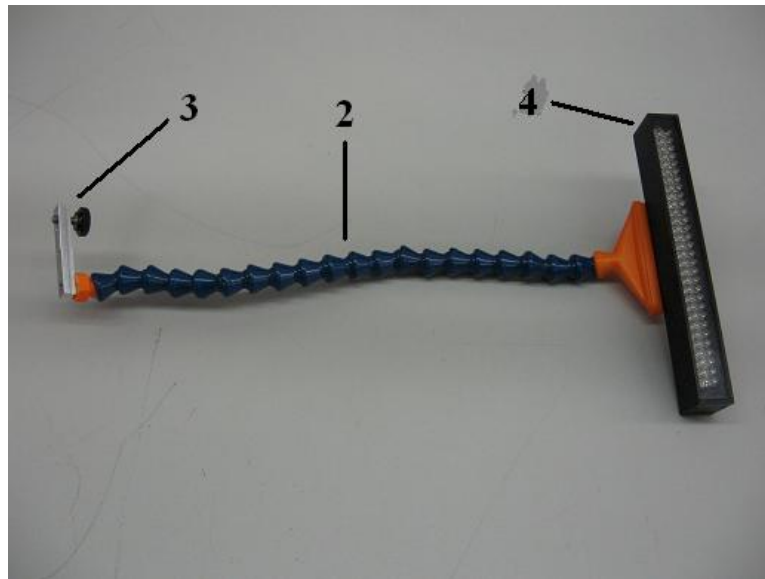
Index Number	Part Number	Part Description
1	5-00-2967-00	Array Assy. GIG-E Camera Power & Trigger Cable
2	5-00-2966-00	GIG-E Camera for C Mount Lens



Figures 8-20

This parts list corresponds to the illustration shown in Figure 8-21.

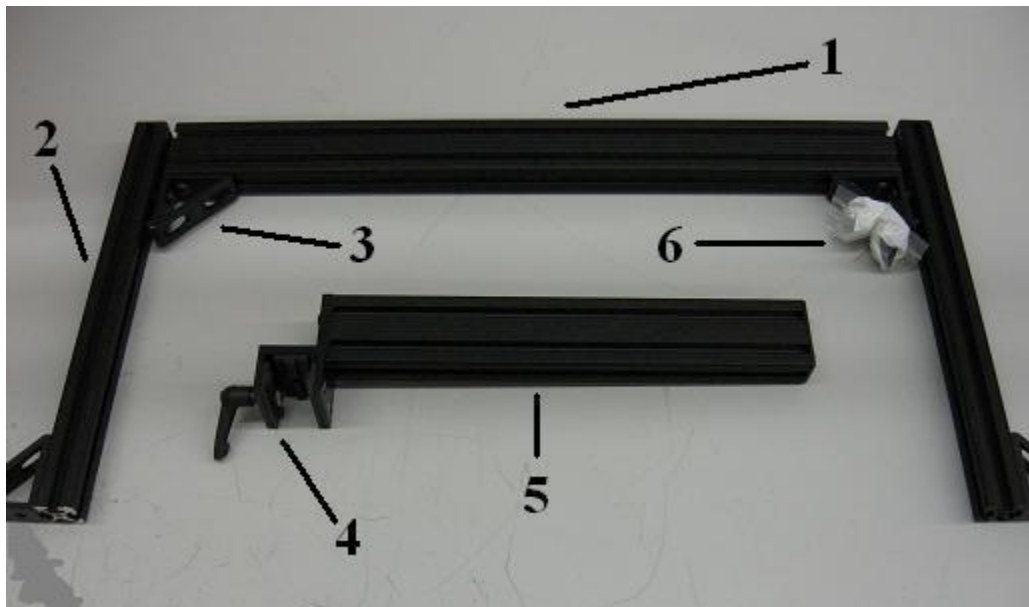
Index Number	Part Number	Part Description
1	5-00-2921-00	Array Wall Transformer w/"Y" cable for line lights
2	5-00-2971-00	MCM External Lighting Mount Kit
3	5-00-2725-00	RSI 80/20 Sensor Mount Slide Kit
4	5-00-2922-00	Array Line Light, 6", 3 Rows of LED's, 24 v.



Figures 8-21

This parts list corresponds to the illustration shown in Figure 8-22.

Index Number	Part Number	Part Description
1	5-00-2974-00	80/20 Crossbar 2"x1"x24"
1	5-00-2973-00	80/20 Crossbar 1"x1"x24"
2	5-00-2972-00	80/20 Crossbar 1"x1"x10"
3	5-00-2964-00	80/20 10 S 4 Hole Inside Corner Gusset Bracket
4	5-00-2939-00	CNC Narrow Flange
5	5-00-2975-00	80/20 Crossbar 2"x1"x4"
6	5-00-2976-00	80/20 10-Series Econ T Nut ¼" – 20 Thread
6	5-00-2977-00	80/20 10-Series Push-In Fastener
6	5-00-2978-00	80/20 10-Series End Cap, 1"x 1"
6	5-00-2979-00	80/20 10-Series End Cap 1"x 2"
6	5-00-2980-00	MCM Button head Socket Cap Screw



Figures 8-22

This parts list corresponds to the illustration shown in Figure 8-23.

Index Number	Part Number	Part Description
FIG 8-23	5-00-2824-00	Array Flow Master Camera Mount Hardware
FIG 8-23	5-00-2662-00	Array Bracket for read Up Camera System



Figures 8-23