

## Recommended Spare Parts List eCobra Industrial SCARA Robot

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# Recommended Spare Parts List

## eCobra Industrial SCARA Robot



Omron offers a variety of services to support your robot installation

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### Complete Care

Omron provides all the field support, maintenance, and parts you need to maintain your robot - in a single, comprehensive program. At a fixed annual price, the Complete Care Program eliminates your budget uncertainty while protecting your capital investment, prolonging its lifespan, and maximizing your productivity.

The program includes:

- 100% coverage for all labor and parts for repairs
- Priority dispatch for Field Service Support
- Premium Technical Support (24/7 access with priority status)
- Fixed travel costs for any on-site visit
- Discounts on additional training for your team

### Wellness Visit

Humans need check-ups, and so do robots. Omron offers Wellness Visits to thoroughly evaluate your robot's condition, schedule maintenance in advance and avoid costly surprises. Regular maintenance and inspection can significantly reduce the total cost of ownership for any equipment. Our annual Wellness Visit includes comprehensive evaluation ensures that all preventive maintenance is performed on schedule and to manufacturing specifications for your Omron robot.

With this service, you can:

- Maximize robot lifespan
- Identify potential problems before they result in unscheduled downtime
- Proactively schedule repairs and part substitutions based on your scheduled shutdowns

### Technical Support

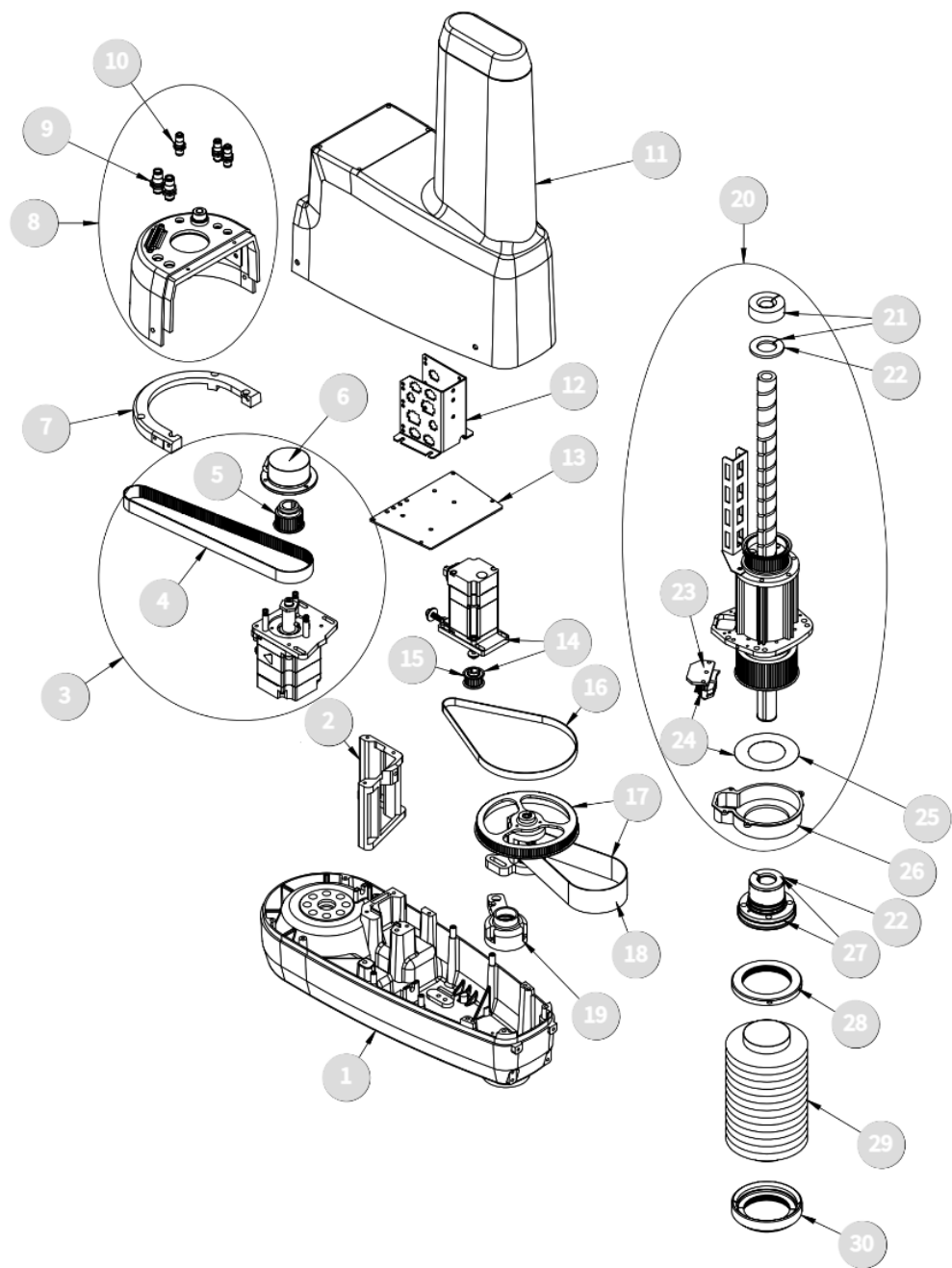
Technical support Omron's technical support engineers have over 20 years of experience diagnosing and fixing issues that plague robotic equipment. Leveraging the popular Help Lightning app for remote visualization, the support team resolves a wide variety of problems with excellent customer satisfaction.

- Support during regular business hours
- After-hours support available for an additional fee
- English, French, Spanish and Portuguese supported
- 24/7 access also provided through a web-based self-service portal

# Recommended Spare Parts List

## eCobra Industrial SCARA Robot

### eCobra Outer Link



Item	Description
31	Outer Link parts not on the drawing

# Recommended Spare Parts List

## eCobra Industrial SCARA Robot

eCobra Outer Link						
#	Part Number	Name	Recommended Stocking Level		Omron Service Recommended	Notes
			1-5 Units	5+ Units		
1	18213-000	Link Outer, eCobra 600				600mm reach model only
1	18211-000	Link Outer, eCobra 800				800mm reach model only
2	40560-40090	Motor Mount, Joint 3 Motor Base				
3	18181-030	Kit, Joint 3 Sigma 7 Replacement Motor, Cobra 600, FRU		1+	Yes	600mm reach model only
3	18181-031	Kit, Joint 3 Sigma 7 Replacement Motor, Cobra 800, FRU		1+	Yes	800mm reach model only
4	02492-000	Belt, Timing, Joint 3 Motor Drive, Cobra 600	1			600mm reach model only
4	46001-00230	Belt, Timing, Joint 3 Motor Drive, Cobra 800	1			800mm reach model only
5	18433-000	Pulley, J3 Motor, 40 Teeth, AIB Cobra 800, 14mm bore w/ keyway				800mm reach model only
6	04209-000	Brake, Joint 3, with Connector		1+	Yes	
7	02357-000	Bracket, Rear Outer Link Cover				
8	02589-000	Cover Assembly, Outer Link Back				
9	42089-27006	Blukhead Union, Tube, 6mm				
10	42089-27004	Blukhead Union, Tube, 4mm				
11	30562-000	Cobra 800 IP-65 Outlink Cover Assembly				800mm reach model only
11	04302-000	Outer Link Cover, AIB 600				600mm reach model only
11	02787-000	Outer Link Cover, Cobra 800				800mm reach model only
12	02539-000	Bulkhead, Outer Link Connectors/Hand Valve				
13	40561-40030	Bracket, Outer Link Pulley, Cover				
14	18181-040	Kit, Joint 4 Sigma 7 Replacement Motor, Cobra 600 & 800, FRU		1+	Yes	
15	40560-40250	Pulley, Joint 4 Motor				
16	46001-00190	Belt, Timing, Joint 4 Motor Drive, Cobra 600	1			600mm reach model only
16	46001-00240	Belt, Timing, Joint 4 Motor Drive, Cobra 800	1			800mm reach model only
17	30560-40501F	Idler Pulley Assembly Joint 4 with Belt, Cobra 800				600mm reach model only
17	30560-40500	Idler Pulley Assembly Joint 4 with Belt, Cobra 600				800mm reach model only
18	46001-00250	Idler Belt Cobra 800	1			800mm reach model only
19	40560-40230	Vacuum Chamber				
20	02574-000F	Ball Splne Assembly, Cobra 600/800		1+		
20	02574-001F	Quill Assembly, 260mm, Cobra s800		1+		800mm reach model only
21	30560-40070	Hard Stop, Joint 3 Quill, Upper		1+		
22	40560-40350	Bumper, Hardstop, Tool Flange		1+		
23	30560-40400F	Encoder Reader Assembly HighRes, Joint 4				
24	09560-001	Kit, Cobra, J4 High Resolution Encoder				
25	18572-000	Disk, Encoder, MYLAR 2880 Lines, 160 Zeros				

# Recommended Spare Parts List

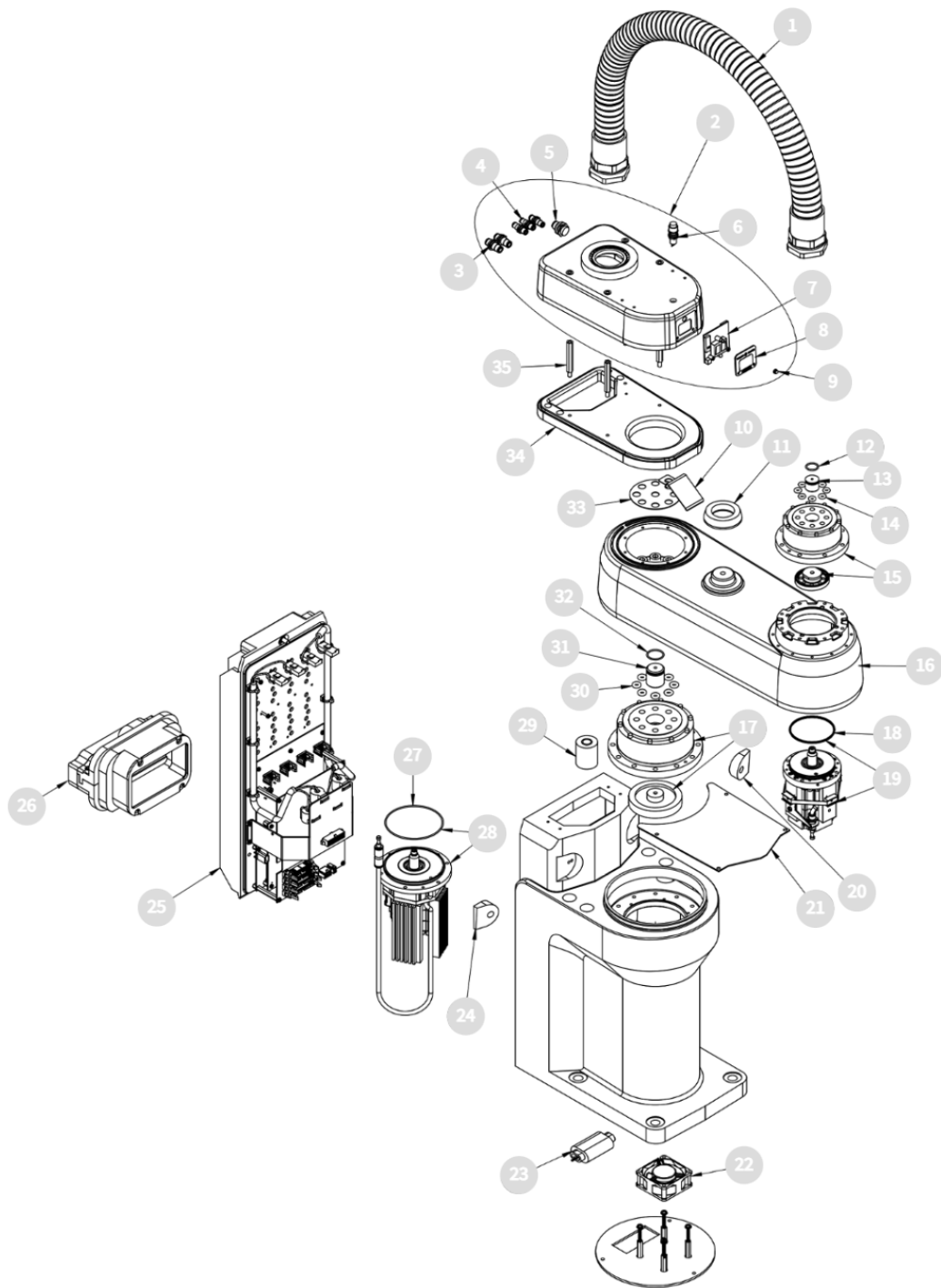
## eCobra Industrial SCARA Robot

eCobra Outer Link						
#	Part Number	Name	Recommended Stocking Level		Omron Service Recommended	Notes
			1-5 Units	5+ Units		
26	40560-40212	Cover, Encoder Disk				
27	30560-40700F	Tool Flange Assembly		1+		
28	40562-40380	Clip, Upper Bellow	1			Cleanroom / IP65 models only
29	04625-000	Bellows, Cleanroom / IP65	1			Cleanroom / IP65 models only
29	00212-200	Bellows Kit, Cleanroom, Cobra with Mounting Hardware				Cleanroom / IP65 models only
30	40562-40370	Lower Bellow Clamp	1			Cleanroom / IP65 models only
31	05459-000	Cobra, S&I, Self Support Kit		1		
31	90560-40360	Kit, Clip Ring, Cobra Cleanroom	1			Cleanroom / IP65 models only
31	57000-02770	O-Ring, 1.31Dx.07CS, BN 70				
31	02853-000	Valve Kit, 24VDC	1			
31	56005-01562	Ring, Retaining, 1.562SH				

# Recommended Spare Parts List

## eCobra Industrial SCARA Robot

### eCobra Inner Link and Base



Item	Description
36	Inner Link and Base parts not on the drawing

# Recommended Spare Parts List

## eCobra Industrial SCARA Robot

eCobra Inner Link and Base						
#	Part Number	Name	Recommended Stocking Level		Omron Service Recommended	Notes
			1-5 Units	5+ Units		
1	04800-000	Harness Assembly, Cobra 600/800, Flyover				
1	06496-000	Kit, Harness, Flyover, Inverted Cobra 800				800mm reach model only
2	02588-000F	Cover Assembly, J1 Upper, Cobra 600 & 800				
3	42089-27006	Blukhead Union,Tube, 6mm				
4	42089-27004	Blukhead Union,Tube, 4mm				
5	03722-000	Harness, DeviceNet, J1 Cover				
6	02728-002	Assembly, LED and Cable				
7	14245-010D	PCA, Diagnostic Display, Cobra/Quattro				
8	02382-000	Window, Diagnostics Cover, AIB Cobra		1+		
9	02754-000	Seal, Brake Button		1+		
10	40560-30020	Cable Guide,Inner Link				
11	40560-30110	Hard Stop, Joint 2		1+		
11	06370-000	Hardstop, J2, Urethane, Inverted Cobra 800		1+		800mm reach model only
11	08650-000	Hardstop, Joint 2, Inverted Cobra 800 IP65		1+		800mm reach model only
12	02813-000	Seal, HD Alignment Plug, Joint 2				
13	02584-000	Plug, Harmonic Drive Alignment, Joint 2, Cobra 600				600mm reach model only
14	02811-000	Seal, Ring, M8				
15	90570-00004	Harmonic Drive Kit, Joint 2 Cobra 600/800		1+	Yes	
16	02551-000	Inner Link, Cobra 600				600mm reach model only
16	02786-000	Inner Link, Cobra 800				800mm reach model only
16	06342-000	Link, Inner, Inverted Cobra 800				800mm reach model only
17	90570-00003	Harmonic Drive Kit, Joint 1, Cobra 600/800		1+	Yes	
18	02581-000	O-Ring Joint 2 Motor plate				
19	18181-020	Kit, J2 Sig 7 Replacement Motor, Cobra 600 & 800		1+	Yes	
20	40560-20110	Hard Stop, Joint 1, Left		1+		
20	06655-000	Hard Stop, J1, Inverted Cobra, Left Side		1+		
21	40561-30030	Cover, Inner Link				
21	40560-30030	Cover, Inner Link, Standard				
21	40561-30031	Cover, Inner Link, Cleanroom				
21	04624-000	Cover, Inner link, AIB 600 Clean Room				600mm reach model only
22	18143-000	Fan Assembly, Joint 1, eCobra				
23	09977-000	Battery Assembly Encoder Lith 3.6V	1			
24	40560-20060	Hard Stop, Joint 1, Right		1+		
25	19800-000	System, eAIB, Cobra, CE			Yes	eAiB type controller
25	29800-000F	Controller, eCobra, iCS-eCAT			Yes	iCS type controller

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## eCobra Industrial SCARA Robot


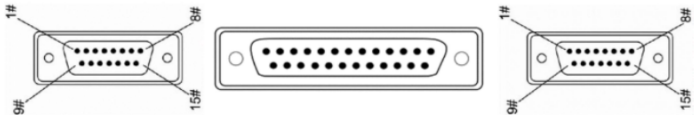
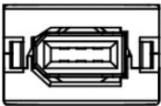
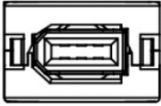
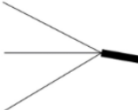
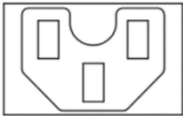
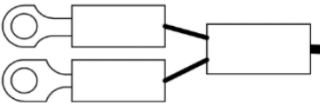
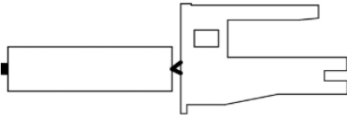


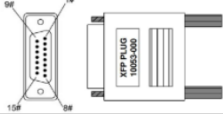
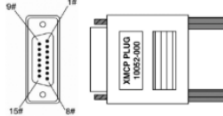
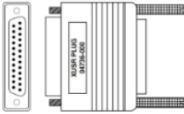
eCobra Inner Link and Base						
#	Part Number	Name	Recommended Stocking Level		Omron Service Recommended	Notes
			1-5 Units	5+ Units		
26	04813-000	Kit, AIB Cable Seal, Cobra S800 IP65				800mm reach model only
27	02579-000	O-Ring #2-042, Viton 3.239" ID, .070" Width (J1 Motor)				
28	18181-012	Kit, Joint 1 Sigma 7 Replacement Motor, Cobra 600 & 800, FRU		1+	Yes	
28	18181-011	Kit, Joint 1 Sigma 7 Motor, Upgrade, Cobra 800 Inverted		1+	Yes	800mm reach model only
29	02592-000	Adjustable Hard Stop Kit, Cobra				
30	02810-000	Seal, Ring, M10				
31	02583-000	Plug, Harmonic Drive Alignment, Joint 1, Cobra 600/800				
32	02812-000	Seal, HD Alignment Plug, Joint 1				
33	02916-000	Gasket, Harmonic Drive, Joint 1				
33	12344-000	Gasket, OC, J1 Harmonic Drive				
34	02632-000	Base Harness, Support, Cobra 600/800				
35	04842-000	Standoff, Male-Female, M5, 50mm long, AL				
36	06231-000	Adapter, C-Shape, Inverted Cobra				
36	18223-000	Assembly, Fan, Inverted Cobra, J1				
36	18228-000	Assembly, HD & Motor, Inverted Cobra, J1				
36	07116-000	Bolt, AIB Hanging Fixture, Inverted Cobra				
36	41020-40527	Bearing, Double Shield, 40 x 52 x 7				
36	05459-000	Cobra, S&I, Self Support Kit		1+		
36	06491-000	Diagnostic Window Assembly				
36	06567-000	Fan Guard, 80mm Dia.				
36	04752-000	Gasket Set, Gel, 9-pin D-SUB, Cobra s800 IP65				800mm reach model only
36	07139-000	Gasket, Display, IP65				
36	12370-000	Kit, Oil Change, Cobra 600/800				
36	40562-10330	Gasket Set, Gel, 25 Pin D-SUB				
36	04738-000	O-Ring, Harmonic Drive CSF25-50, J2				
36	04739-000	O-Ring, Harmonic Drive CSF32-80, J1				
36	02500-000	O-Ring, No. 2-173, Nitrile NBR				
36	02638-000	Spacer, Base to Joint 1 Cover, Cobra 800				800mm reach model only
36	06297-000	Seal, V-Ring A, 120mm ID, Nitrile				
36	57000-03570	Seal, O-Ring, BUNA-N, 70DURO, 2-1				
36	02780-000	Robot Accessory Kit, AIB Based Products		1+		
36	02501-000	Seal Shaft Joint 1 & Joint 2 Motors				
36	06213-000	Ring Plate, Sealing Surface				



# Recommended Spare Parts List

## eCobra Industrial SCARA Robot

### eCobra Cables

Item	From	To	Length	Item
1			1830mm	1
2			4500mm	2
3			5000mm	3
4			5000mm	4
5			305mm	5
6		N/A	N/A	6
7		N/A	N/A	7
8		N/A	N/A	8

# Recommended Spare Parts List



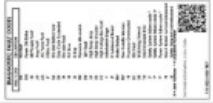





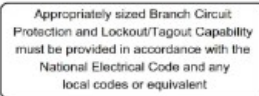





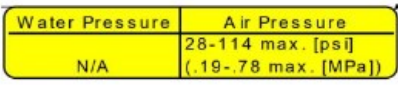

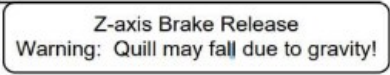






## eCobra Industrial SCARA Robot

eCobra Cables						
#	Part Number	Name	Recommended Stocking Level		Omron Service Recommended	Notes
			1-5 Units	5+ Units		
1	13323-000	Cable Assembly, XSYSTEM Adapter with Jumpers		1+		
2	13632-045	Cable, 1394, 4.5M, w/Latches, Standard Flex		1+		
3	04118-000	Cable, 220 VAC sCobra Power, 5m		1+		
4	04120-000	Cable, 24 VDC sCobra Power, 5m		1+		
5	00411-000	Cable, Splitter, DB9M to Dual DB9F				
6	10053-000	Jumper, SmartController EX-XFP, Green				
7	10052-000	Jumper, SmartController EX-XMCP, Red				
8	04736-000	Jumper/Bypass Plug XUSR 25 Pin		1+		

# Recommended Spare Parts List

## eCobra Industrial SCARA Robot

### eCobra Labels

1		1	13		13
2		2	14		14
3		3	15		15
4		4	16		16
5		5	17		17
6		6	18		18
7		7	19		19
8		8	20		20
9		9	21		21
10		10	22		22
11		11	23		23
12		12			

# Recommended Spare Parts List

## eCobra Industrial SCARA Robot

eCobra Labels						
#	Part Number	Name	Recommended Stocking Level		Omron Service Recommended	Notes
			1-5 Units	5+ Units		
1	03467-000	Label, AIB, Disconnect Power				
2	04215-000	Label, Fault Codes				
3	03466-000	Label, AIB, Hot & High Voltage				
4	08612-000	Label, Battery Replacement				
5	08608-000	Label, Branch Circuit Protection And Lockout				
6	03562-40000	Label, Caution, Outer Link Cover, Cobra 800 IP65				
7	18310-000	Label, Cleanroom Logo				
8	08616-000	Label, Cobra Air Pressure				
9	08610-000	Label, Cobra Brake Release				
10	08613-000	Label, Cobra Robot Lifting				
11	18311-000	Label, IP65 Logo				
12	08607-000	Label, Lockout/Tagout				
13	18256-000	Label, Omron Adept Logo, 8 Inch				
14	14605-000	Label, Product, eCobra Lite for eAIB				
15	14607-000	Label, Product, eCobra Pro for eAIB				
16	14606-000	Label, Product, eCobra Standard for eAIB				
17	18301-000	Label, Read Manual First, Robot Danger				
18	08758-000	Label, Robot Status Lamp, Inverted Cobra				
19	08611-000	Label, Robot Status Lamp, Cobra 600/800				
20	09710-700	Label, Serial Number, eCobra 600, 800, and 800 Inverted, Sigma 7				
21	04770-000	Label, Warning, AIB Encoder				
22	03862-00020	Label, Blue Stripe				
23	03332-00200	Label, Hot Surface				