

Recommended Spare Parts List Viper 6 Axis Robot



Recommended Spare Parts List

Viper 6 Axis Robot



Omron offers a variety of services to support your robot installation

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

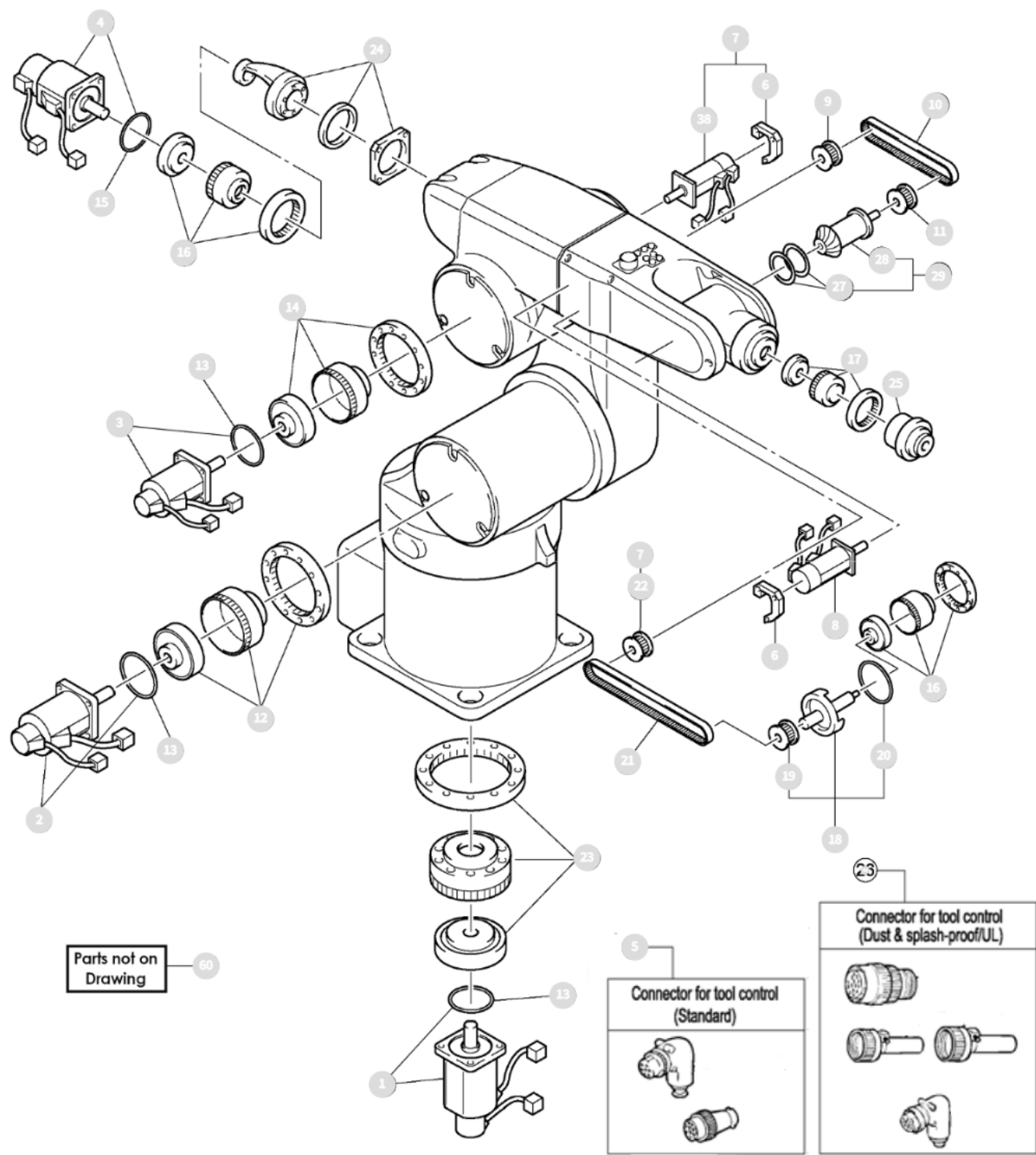
Technical support Omron's technical support engineers have over 20 years of experience diagnosing and fixing issues that plague robotic equipment. Leveraging the popular Help Lightning app for remote visualization, the support team resolves a wide variety of problems with excellent customer satisfaction.

- 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

Viper 6 Axis Robot

Viper Parts Diagram



Recommended Spare Parts List

Viper 6 Axis Robot

Viper Spare parts listing						
#	Part Number	Name	Recommended Stocking Level		Omron Service Recommended	Notes
			1-5 Units	5+ Units		
1	05122-000	Motor Assembly, Joint 1 750W, No Brake			Yes	
1	05122-065F	Motor Assembly with Brake, 750W, Joint 1, Viper s650 IP65/UL		1+	Yes	
2	05123-000	Motor Assembly, Joint 2 400W, Brake		1+	Yes	
3	05124-000	Motor Assembly, Joint 3, 200W, Brake		1+	Yes	
4	05125-000	Motor Assembly Joint 4 100W Brake (Viper s850)		1+	Yes	
4	05934-000	Motor, Joint 4, 100W, Brake, Viper s650		1+	Yes	
5	05019-000	Accessory Kit, Viper s650/s850/s1300	1			
6	05413-000	Plate, Motor, Joint 5/6				
7	18692-024	Assembly, Motor with Brake, Axis 5		1+	Yes	
8	05127-000	Motor Assembly, Joint 6, 50W, Brake		1+	Yes	
9	05414-000	Pulley, Motor, Joint 6				
10	05767-000	Belt, Timing, Joint 6, Viper s650/s850	1			
11	05420-000	Pulley, Harmonic Drive, Joint 6, Viper s650/s850				
12	05776-000	Harmonic Drive, Joint 2, Viper s650		1+	Yes	
12	05866-000	Harmonic Drive, Joint 2, Viper s850		1+	Yes	
13	05770-000	O-Ring, Motor Flange, Joint 1/2, Viper s650/s850				
14	05778-000	Harmonic Drive, Joint 3, Viper s650		1+	Yes	
14	05867-000	Harmonic Drive, Joint 3, Viper s850		1+	Yes	
15	05942-000	O-Ring, Motor Mount Flange, Joint4, Viper s650/s850				
16	05780-000	Harmonic Drive Joints 4 and 5, Viper s650/s850		1+	Yes	
17	05779-000	Harmonic Drive Joint 6 Viper, s650/s850		1+	Yes	
18	14162-000	Input Shaft, Harmonic Drive, Joint 5, Viper s650				
19	05774-000	Pulley, Harmonic Drive, Joint 5, Viper s650/s850				
20	05944-000	O-Ring, Harmonic Drive Plate, Joint5, Viper s650/s850				
21	05766-000	Belt, Timing, Joint 5, Viper s650/s850	1			
22	05412-000	Pulley, Motor, Joint 5, Viper s650/s850				
23	05777-000	Harmonic Drive, Joint 1, Viper s650		1+	Yes	
23	05921-000	Harmonic Drive, Joint 1, Viper s850		1+	Yes	
24	08420-100	Crankshaft Kit Joint 4 s650/s850				
25	10970-000	Bearing, Cross Roller, Axis 6				
26	05584-000	Connector Set, CN20 and CN21, IP54/65 or Cleanroom	1			
27	05947-000	Shim Kit, Bevel Gear Adjustment, Joint 6, Viper s650/s850				

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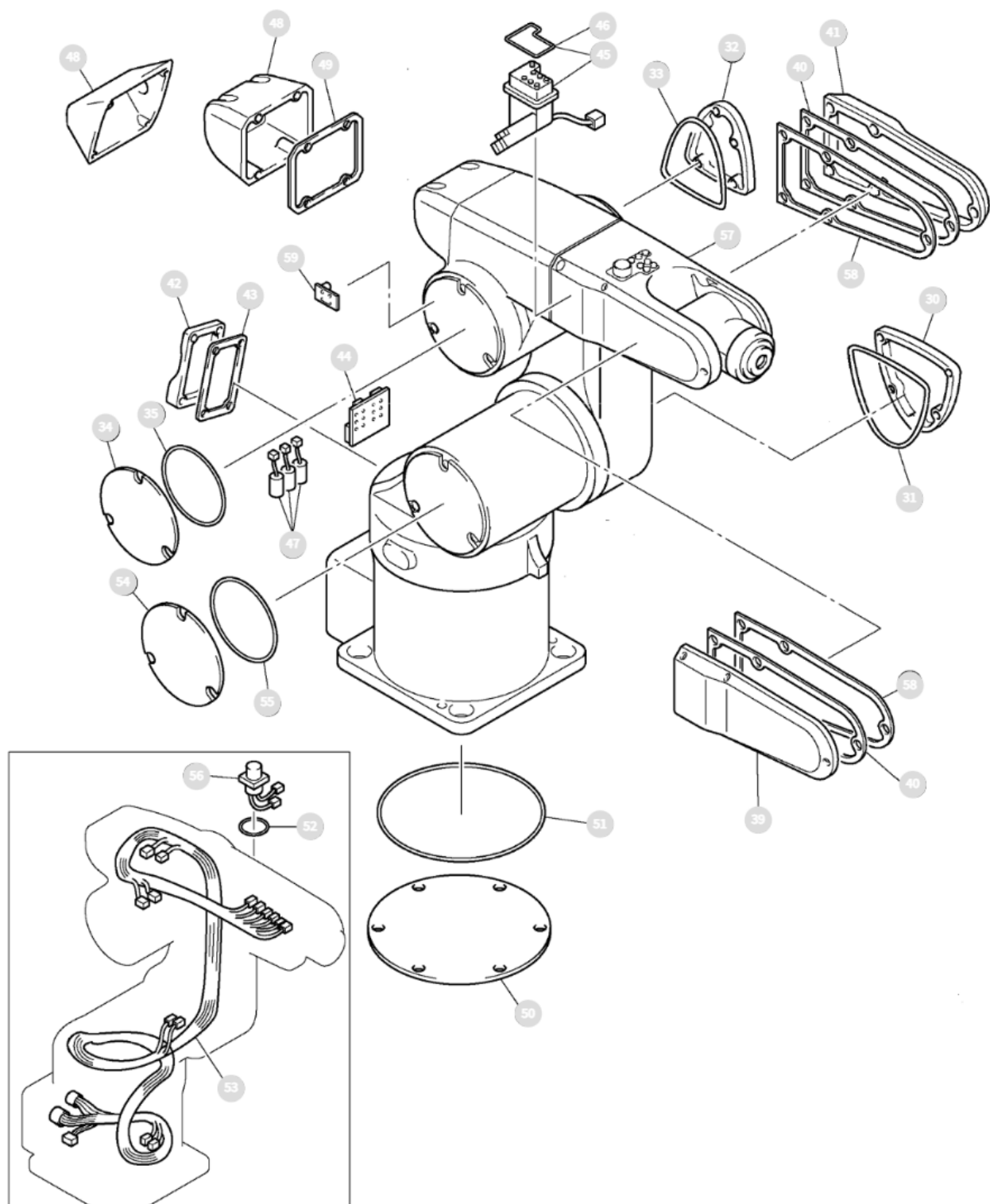
Viper 6 Axis Robot

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#	Part Number	Name	Recommended Stocking Level		Omron Service Recommended	Notes
			1-5 Units	5+ Units		
29	05415-000	Bevel Gear Assembly, Joint 6				
38	05126-000	Motor Assembly, Joint 5, 80W, Brake		1+	Yes	
60	05936-000	Motor Mount Plate, Joint 1/Joint 2, Viper s650/s850				
60	05937-000	Motor Mount Plate, Joint 3, Viper s650/s850				
60	05939-000	O-Ring, Motor Mount Plate, Joint3				
60	05941-000	O-Ring, Motor Mount Plate, Joint4, Viper s650/s850				
60	05943-000	O-Ring, Cross Roller Bearing, Joint 6, Viper s650/s850				

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Viper Parts Diagram



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#	Part Number	Name	Recommended Stocking Level		Omron Service Recommended	Notes
			1-5 Units	5+ Units		
30	07021-000	Cover, Joint 2, Viper, Cleanroom / IP65				
30	14849-000	Cover, Joint 2, Viper				
31	18692-015	O-ring, Joint 2, Viper, Cleanroom / IP65				
32	07001-000	Cover, Joint 3, Viper				
32	07025-000	Cover, Joint 3, Viper, Cleanroom / IP65				
33	18692-016	O-ring, Joint 3, Viper, Cleanroom / IP65				
34	07024-000	Cover, Motor, Axis 3, Cleanroom/IP65				
34	18692-011	Cover, Motor, Axis 3				
35	05938-000	O-ring, Cover, Motor, Axis 3 (CR/IP65)				
39	18692-003	Cover, Second Arm, 5th Axis Side				
39	18692-004	Cover, Second Arm, 5th Axis Side (CR/IP65)				
40	18692-002	Gasket, Axis 2, Viper s650/s850 Cleanroom / IP65				
41	18692-005	Cover, Second Arm, 6th Axis Side				
41	18692-006	Cover, Second Arm, 6th Axis Side (CR/IP65)				
42	07035-000	Housing Cover, 2nd Axis, Cleanroom / IP65				
42	18692-014	Cover, Housing, 2nd Axis				
43	18692-025	Packing and Seal, Housing Cover, Axis 2, Viper 650				
44	05233-000	PCA, Power Supply Conversion Board		1+	Yes	
45	05775-000	Manifold, Solenoid Valve Assembly, Viper s650/s850		1+		
45	07036-000	Manifold Set, Solenoid Valve, Viper s650/s850, Cleanroom / IP65		1+		
46	05946-000	Gasket, Manifold Assembly, Solenoid Valve, Viper s650/s850				
47	05234-000	Battery Pack Encl Backup, Viper s650/s850	1			
48	18692-007	Cover, Housing, Fourth Axis				
48	18692-009	Cover, Housing, Fourth Axis				
48	07026-000	Cover, Housing, Fourth Axis, Viper s850, Cleanroom / IP65				
48	07034-000	Cover, Housing, Fourth Axis, Viper s650, Cleanroom / IP65				
30	07021-000	Cover, Joint 2, Viper, Cleanroom / IP65				
49	18692-008	Packing and Seal, Fourth Axis, Viper s650, Cleanroom / IP65				
49	18692-010	Packing and Seal, Fourth Axis, Viper s850, Cleanroom / IP65				
50	18692-017	Cover, Motor, Axis 1				
50	18692-018	Cover, Motor, Axis 1, CR/IP65				

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			1-5 Units	5+ Units		
50	07019-000	Cover, Motor, Joint 1, Viper s650/860, Cleanroom / IP65				
51	18692-019	O-Ring, Motor Cover, CR/IP65				
52	05771-000	O-Ring, Cable Assembly, IO, Outerlink, Viper s650/s850				
53	05327-000	Harness Assembly, Internal			Yes	
53	05828-000	Internal Harness Assembly, Viper s850			Yes	
53	05935-000	Harness, Internal, Viper s650 IP54/65 (Dust & Mist Proof)			Yes	
53	09364-000	Harness, Internal Wiring, Viper s650, Clean Room			Yes	
54	07018-000	Cover, Motor, Axis 2, Cleanroom / IP65				
54	18692-012	Cover, Motor, Axis 2				
55	18692-013	O-ring, Cover, Axis 2 (CR/IP65)				
56	05945-000	Cable Assembly, IO, Outerlink, Viper s650/s850				
57	08420-000	Outerlink, Joint 4, Viper s650/s850				
58	06427-000	Spacer, J5/6 Metal Covers, Viper s650/s850				
59	04991-000	PCA, RSC, Viper/Cobra s350		1+	Yes	