

Maintenance kits for industrial robots

Reduces the risk of production stoppage



For all equipment that is used in production environments, periodic maintenance is required to keep it running at optimal levels. Inspecting robots and replacing parts should be a key strategy for reducing the risk of unplanned stoppages.

Proactive maintenance

To enhance the performance and reliability of robots, a proactive approach to maintenance is essential. The ABB Robotics Service team provides high level maintenance programs that guarantee the best results and performance of your robots. A maintenance kit for all your industrial robots will protect them by initiating corrective actions, avoiding production stoppages, and extending their life.

Increase uptime

ABB robots are designed to provide years of trouble-free operation when maintained properly. Based on our extensive real-world experience, ABB recommends a regular maintenance program depending on your robot's working condition and operating environment. Exchanging critical parts before they become worn will ensure greater uptime and avoid unplanned production stoppage.

Reduce future maintenance costs

Following a regular maintenance schedule ensures that any issues are fixed before the parts fail to work properly.

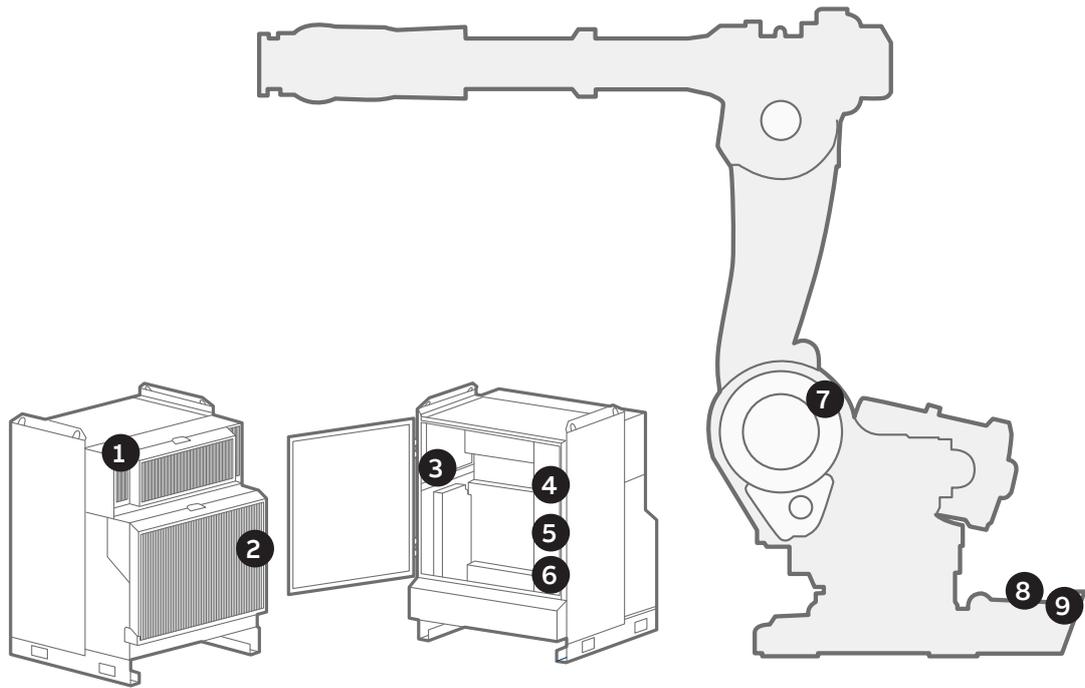
This will prevent equipment crucial for the proper functioning of the robot from having maintenance issues. By preventing disruption to key manufacturing processes, the overall cost of maintenance and risk of downtime can be reduced for the entire system.

The maintenance kits are predefined for eight years

Maintenance kits are carefully tailored to a robot's maintenance schedule – no matter the type – and the frequency with which components must be replaced – once a year for a period of eight years. Only an OEM can guarantee safety levels and that replacement parts are based on original documentation and are certified.

Benefits include

- Maximized uptime and continuous operation
- Predictable budgeting
- Guaranteed parts availability
- Prepackaged kits
- Certified ABB parts
- Maintenance of the robot operation and safety
- Reduced cost of stock inventory



Recommended timing of maintenance

Parts	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
1 Fan unit			X			X		
2 Air filter	X	X	X	X	X	X	X	X
3 Battery (controller)			X		X ¹	X		
4 LED lamp	X	X	X	X	X	X	X	
5 Contractor			X			X		
6 Auxiliary contract			X			X		
7 Guiding ring*	X	X	X	X	X	X	X	X
8 Battery pack (robot)			X			X		
9 Gasket or gasket cover			X			X		
Gas valve**			X			X		

* For some models like IRB6400R or IRB640

** For some models like IRB2400 M 97

X¹: S4 and S4C controller

Refer to product manuals, maintenance chapter for replacement procedure.