

# MOTOMAN-MS165, MH180 INSTRUCTIONS

**SUPPLEMENTARY FOR TYPE:  
YR-MS165/MH180-X00 (MINIMIZING MACHINE DIFFERENCE SPECIFICATION)**

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Upon receipt of the product and prior to initial operation, read these instructions thoroughly, and retain for future reference.

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## MOTOMAN INSTRUCTIONS

- MOTOMAN-MS165 INSTRUCTIONS
- MOTOMAN-MH180 INSTRUCTIONS
- DX200 INSTRUCTIONS
- DX200 OPERATOR'S MANUAL (for each purpose)
- DX200 MAINTENANCE MANUAL

The DX200 operator's manual above corresponds to specific usage. Be sure to use the appropriate manual.

Part Number: 171268-1CD  
Revision: 0

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## Introduction

This supplementary instruction manual describes how YR-MS165/MH180-X00 (hereinafter referred to as MS165/MH180-X00) is different from the YR-MS165/MH180-A00 (hereinafter referred to as MS165/MH180-A00).

In case of using MS165/MH180-X00, read this supplementary instruction manual thoroughly with: "MOTOMAN-MS165 INSTRUCTIONS" (167109-1CD) or "MOTOMAN-MH180 INSTRUCTIONS" (167428-1CD).

## Point of Difference

MS165/MH180-X00 differ from the MS165/MH180-A00 in the following point:

### 1. Recommended Spare Parts

- S-, L-, U-, R-, B- and T-Axes Speed Reducer
- Wrist Unit

The differences are described based on "MOTOMAN-MS165 INSTRUCTIONS" (167109-1CD) or "MOTOMAN-MH180 INSTRUCTIONS" (167428-1CD). Read this manual thoroughly replacing the subject matters for changes with this supplementary instruction manual.

## 2 Recommended Spare Parts (Page 10-1)

Replace the corresponding items in *Table 10-1 "Spare Parts for the YR-MS165/MH180-A00"* with the following items.

*Table 2-1: Spare Parts for the YR-MS165/MH180-X00*

Rank	Parts No.	Name	Type	Manufacturer	Qty	Qty per Unit	Remarks
B	6	Replacement Kit for S-Axis Speed Reducer	Y005C-MSMH180X00S	Yaskawa	1	1	
B	7	Replacement Kit for L-Axis Speed Reducer	Y005C-MSMH180X00L	Yaskawa	1	1	
B	8	Replacement Kit for U-Axis Speed Reducer	Y005C-MSMH180X00U	Yaskawa	1	1	
B	9	Replacement Kit for R-Axis Speed Reducer	Y005C-MSMH180X00R	Yaskawa	1	1	
B	10	Replacement Kit for B-Axis Speed Reducer	Y005C-MSMH180X00B	Yaskawa	1	1	
B	11	Replacement Kit for T-Axis Speed Reducer	Y005C-MSMH180X00T	Yaskawa	1	1	
B	13	Wrist Unit	HW1171565-X	Yaskawa	1	1	

### Revision History

Date	CEN / ECN	Revision No.	Reason For Revision	Initials
10/23/2014	58975	0	Original Release	JFC

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Specifications are subject to change without notice  
for ongoing product modifications and improvements.