











Point	Motion Type	Instruction
P0	Joint or Linear	MOV1
P1 P2	Spline	MOVS

Joint or Linear

MOVJ

MOVL

Motion Type for Continuous Free Curves

When the parabolas overlap, a composite motion path is created.

P6



Motoman XRC

Motion Type for a Single Free Curve



E.STOP Button	Turns off the servo power. When the servo power is turned off, the SERVO ON LED on the programing pendant and the SERVO ON READY lamp will light. An emergency stop message is displayed on the screen.
Deadman Switch	Turns on the servo power. Deadman switch is active only when the SERVO ON READY lamp is blinking and both the safety plug and Teach Lock are on.
[TEACH LOCK]	Sets to Teach Lock. The LED lights when the Teach Lock is set. When you set Teach Lock, Start is disabled and mode changes are locked out until Teach Lock is turned off. When Teach Lock is off, servo power cannot be turned on using the deadman switch.
Cursor	Moves the cursor in the direction of the arrow. The size of the cursor and the range /place where the cursor can move will vary dependent on the display. If the UP cursor button is pressed when the cursor is on the first line, the cursor will move to the last line of the job. Conversely, if the cursor is on the last line of the job and the DOWN cursor button is pressed, the cursor will jump to the first line of the job. When [SHIFT] is pressed simultaneously: [SHIFT] + UP Goes back to the previous page. [SHIFT] + DOWN Goes to the next page. [SHIFT] + RIGHT Scrolls the instruction area of the job content or play back display to the right. [SHIFT] + LEFT Scrolls the instruction area of the job content or playback display to the left.
[SELECT]	Selects menu items such as top menu, pull down menu, etc.
[SELECT] [TOP MENU] TOP MENU	Selects menu items such as top menu, pull down menu, etc. Displays the top menu. When [SHIFT] is pressed simultaneously: [SHIFT] + [TOP MENU] When any display appears, the screen changes in the order of the display, sub-menu and top menu.
[TOP MENU]	Displays the top menu. When [SHIFT] is pressed simultaneously: [SHIFT] + [TOP MENU] When any display appears, the screen changes in the order of the display, sub-menu and top menu. Moves the cursor between "Menu Area" and "General Purpose Display Area". When [SHIFT] is pressed simultaneously: [SHIFT] + [AREA] The language can be switched when the bilingual function is valid. (Bilingual function is optional.) Displays the next page. When [SHIFT] is pressed simultaneously with [PAGE], the previous page is displayed.
[TOP MENU] TOP MENU Area Key	Displays the top menu. When [SHIFT] is pressed simultaneously: [SHIFT] + [TOP MENU] When any display appears, the screen changes in the order of the display, sub-menu and top menu. Moves the cursor between "Menu Area" and "General Purpose Display Area". When [SHIFT] is pressed simultaneously: [SHIFT] + [AREA] The language can be switched when the bilingual function is valid. (Bilingual function is optional.) Displays the next page. When [SHIFT] is pressed simultaneously with [PAGE], the previous page is displayed. The page can be changed when the page appears in the status area.
[TOP MENU] TOP MENU Area Key	Displays the top menu. When [SHIFT] is pressed simultaneously: [SHIFT] + [TOP MENU] When any display appears, the screen changes in the order of the display, sub-menu and top menu. Moves the cursor between "Menu Area" and "General Purpose Display Area". When [SHIFT] is pressed simultaneously: [SHIFT] + [AREA] The language can be switched when the bilingual function is valid. (Bilingual function is optional.) Displays the next page. When [SHIFT] is pressed simultaneously with [PAGE], the previous page is displayed.

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[COORD]	Select the operation coordinate system when the manipulator is operated manually. Five coordinate systems (joint, reciangular, cylinder, tool and user) can be used. Each time this key is pressed, the coordinate system is switched in the following order, "JOINT" > "WLD/GYL" > "TOOL" > "USER". The selected coordinate system is displayed on the status display area. When [SHIFT] is pressed simultaneously with [COORD], the coordinate number can be changed when the "TOOL" or "USER" coordinate system is selected.
[MAN SHD]	Sets the speed for manual operation. This speed is also valid for operations with (FWD) and (BWD). There are four speed levels (slow, medium, fast, and inching). Each time (FST) is pressed, manual speed changes in the following order: "INCH"->"SLOW"->"MED"->"FST" Each time (SLW) is pressed, manual speed changes in the following order: "FST"->"MED"->"SLOW"->"INCH" The selected speed is displayed on the status area.
[HIGH SFD]	Changes the speed of axis operation when and axis button is pressed. The speed of the manipulator will change to high regardless of the programmed speed. Note that only one axis can be operated at high speed High-speed operation of multiple axes is not possible.
	Selects the motion type for playback operation. The selected motion type is shown in the status display area on the screen.
[MOTION TYPE]	Each time this key is pressed, the motion type changes in the following order: "MOVJ"->"MOVL"->"MOVC"->"MOVS"
MOTION	When [SHIFT] is pressed simultaneously with [MOTION TYPE], the motion mode changes in the following order: "STANDARD"→" EXTERNAL REFERENCE POINT"→" CONVEYOR"*
	Motion Type can be changed in any mode. *: These modes are purchased options.
(ROBOT)	Changes the robot axis for axis operation. Pressing this key enables the robot axis operation.
[EX.AXIS]	Changes the external axis for axis operation. Pressing this key enables the external axis operation. [EX.AXIS] is active for the system with the external axis.
Axis Key	Moves specified axes on manipulator. The manipulator axes only move while the key is held down. Multiple axes can be operated simultaneously by pressing two or more keys at the same time. Axis type (robot or external) is changed as follows:
	The manipulator operates in the selected coordinate system.
[TEST START] TEST START	Moves the manipulator through taught steps in a continuous motion when [TEST START] and [INTERLOCK] are simultaneously pressed. The manipulator can be moved to check the path of taught steps. The manipulator operates according to the currently selected operation cycle: "AUTO", "1CYCLE", or "STEP" If an operating speed exceeds the maximum teaching speed, the operation proceeds at the maximum teaching speed. Operation stops immediately when this key is released.
	Moves the manipulator through the taught steps while this
[FWD]	key is pressed. Only move instructions are executed (no weld commands). When [SHIFT] is pressed simultaneously with [FWD], all instructions except move instructions are executed. As for the operation of pressing [REF PNT] simultaneously, see the description of "TEST START".

[INFORM LIST]	Displays instruction lists of commands available for job editing.
INFORM LIST	
[CANCEL]	Cancels data input and resets errors.
[DELETE]	Deletes registered instructions and data. [DELETE] functions only when the key lamp is lit.
[INSERT]	Inserts new instructions or data. [INSERT] functions only when the key lamp is lit.
[MODIFY]	Modifies taught position data, instructions, and data. [MODIFY] functions only when the key lamp is lit.
[ENTER]	Registers instructions, data, current position of the manipulator, etc. When [ENTER] is pressed, the instruction or data displayed in the input buffer line moves to the cursor position to complete a registration, insertion, or modification.
[SHIFT]	Changes the functions of the other keys. Used with [TOP MENU], [COORD], [MOTION TYPE], CURSOR, RESERVED DISPLAY KEY , NUMBER KEY, Page Key to
SHIFT	access alternate functions. Refer to the description of each key for the alternate [SHIFT] functions.
[INTERLOCK] INTER	Changes the functions of the other keys. Used with [TEST START], [FWD], NUMBER KEY (number key customize function) Refer to the description of each key for the alternate [INTERLOCK] functions.
Number Key	Enters the number or symbol when the ">" prompt appears on the input line. "." is the decimal point. "-" is a minus sign or hyphen. The number keys are also used as function keys. Refer to the explanation of each key for details.
	JOB EDIT DISPLAY UTILITY R1 全型来日 UP OPERATION AXIS OORDINATE SYSTEM OMANUAL SPEED ©OPERATION CYCLE

©OPERATION CORDINATE SYSTEM

Displays the selected coordinate system.

: Link Coordinate

ຼ : XYZ Coordinate

Cylinder Coordinate ، بل

> : Tool Coordinate

្ស : User Coordinate

@MANUAL SPEED

Displays the selected speed.

'a : Inching

👍 : Low Speed

= : Medium Speed

: High Speed

®OPERATION CYCLE

Displays the present operation cycle.

131 : Step

置:Cycle

Continuous

OSTATE UNDER EXECUTION

Displays the present system status (STOP, HOLD, ESTOP, ALARM, or RUN).

: Stop Status

્રમું: Hold Status

🛓 : Emergency Stop Status

: Alarm Status

: Operating Status

©PAGE

Displays the screen where the page is switched.