APPENDIX 2 SWITCH AND JUMPER CONNECTOR SETTINGS

BLIII−D units have switches that must be set similar to the switches of the conventional units (BL-D). However, the number and layout of these switches are different.

The BLIII-D75A is provided with a jumper connector that BL-D units do not have jumper connector must be set (connected / disconnected) according to the capacity of the unit to be used

Shown below is a comparison table of switch and jumper connector settings between conventional and maintenance units

Table A2-1 Comparison table of switch and jumper connector settings

| Item	Conventional unit (BDU, BL-D)	Maintenance unit (BLIIID)	Remarks
Switch setting	-	SW1	Set the switches according to the capacity of the unit to be used 15 A: Turn off all switches. 30 A: Turn on only 4. 50 A: Turn on only 3. 75 A: Turn on only 3 and 4. 150 A: Turn on only 2.
	SW1, SW2	SW2	Apply the settings of the corresponding switches of the conventional unit as they are.
	SW3 (SW3U, SW3V)	SW3	
	SW4 (SW4U, SW4V)	SW4	
	SW5	SW5	
	SW6	SW6	Apply the settings of 1 and 2 of the corresponding switch (six-pin) of the conventional unit to the switch (two-pin) of the maintenance unit.
	SW7	- (Not provided)	BLIII-D units do not require the settings of the SW7 and SW8 because they are not provided with these switches
	SW8	- (Not provided)	
Jumper connector	- (Not provided)	CN20 (XB-DBR)	Set (Connect / Disconnect) the jumper connector according to the unit to be used. 15 A: Disconnect. 30 A to 75 A: Connect. 150 A: No connector provided

⚠ CAUTION　Properly set the switches and the jumper connector. The servomotor will malfunction (will be demagnetized) if it is energized with an incorrect setting.

APPENDIX 2 SWITCH AND JUMPER CONNECTOR SETTINGS

Settings of jumper connector CN20 (XB-DBR)

Unit capacity	15A	30A	50A	75A	150A
CN20 (XB-DBR)	Disconnected	Connected			

Layout of BLIII-D switches and jumper connectors

Jumper connector CN20 (XB-DBR)

BLⅢ-D75A

Switches SW1 to SW6

BLⅢ-D150A

Switches SW1 to SW6

<Enlarged view>
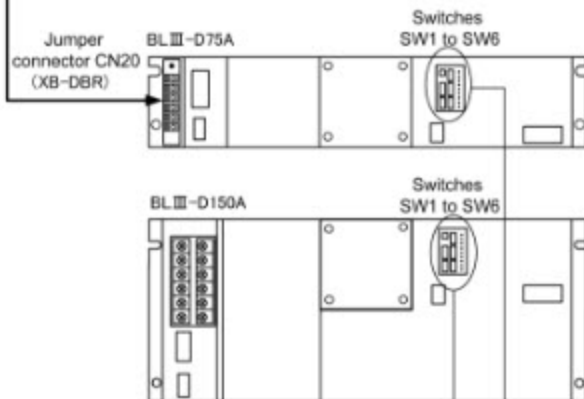
· Apply the settings of 1 and 2 of SW6 (six-pin) of the BL-D to the switch (two-pin) of the BLIII-D.

Layout of BL-D switches
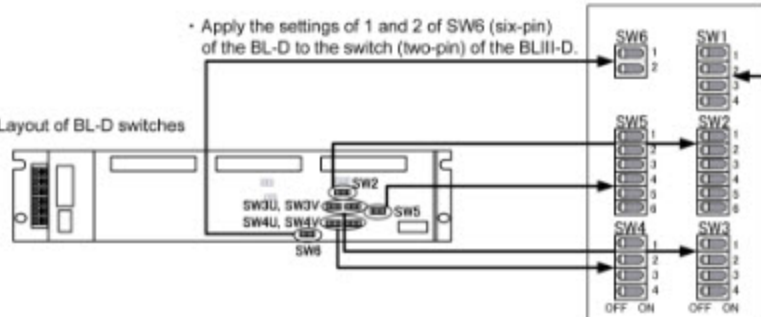
SW2
SW3U, SW3V
SW4U, SW4V SW5
SW6

SW6
SW5
SW4

SW1
SW2
SW3

OFF ON

OFF ON

Settings of unit capacity SW1

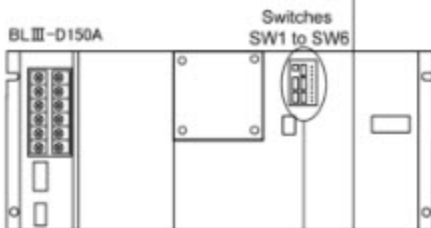| Unit capacity		15A	30A	50A	75A	150A
SW1	1	OFF	OFF	OFF	OFF	OFF
	2	OFF	OFF	OFF	OFF	ON
	3	OFF	OFF	ON	ON	OFF
	4	OFF	ON	OFF	ON	OFF

Fig A2-1 Correspondence diagram of switch and jumper connector settings when switching a BL-D unit to a BLIII-D unit
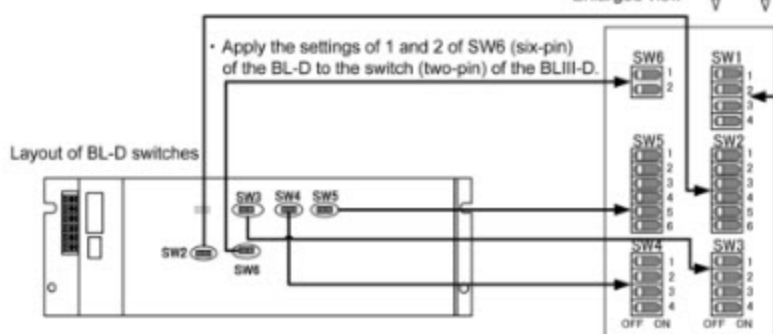
APPENDIX 2 SWITCH AND JUMPER CONNECTOR SETTINGS

Settings of jumper connector CN20 (XB-DBR)

Unit capacity	15A	30A	50A	75A	150A
CN20 (XB-DBR)	Disconnected	Connected			

Layout of BLIII-D switches and jumper connectors

Jumper connector CN20 (XB-DBR)

BL III-D75A

Switches SW1 to SW6

BL III-D150A

Switches SW1 to SW6

<Enlarged view>

Settings of unit capacity SW1

Unit capacity		15A	30A	50A	75A	150A
SW1	1	OFF	OFF	OFF	OFF	OFF
	2	OFF	OFF	OFF	OFF	ON
	3	OFF	OFF	ON	ON	OFF
	4	OFF	ON	OFF	ON	OFF

· Apply the settings of 1 and 2 of SW6 (six-pin) of the BL-D to the switch (two-pin) of the BLIII-D.

SW6
SW1
SW5
SW2
SW4
SW3

Layout of BL-D switches

SW3 SW4 SW5
SW2
SW6

FigA2-2 Correspondence diagram of switch and jumper connector settings when switching a BDU unit to a BLIII-D unit