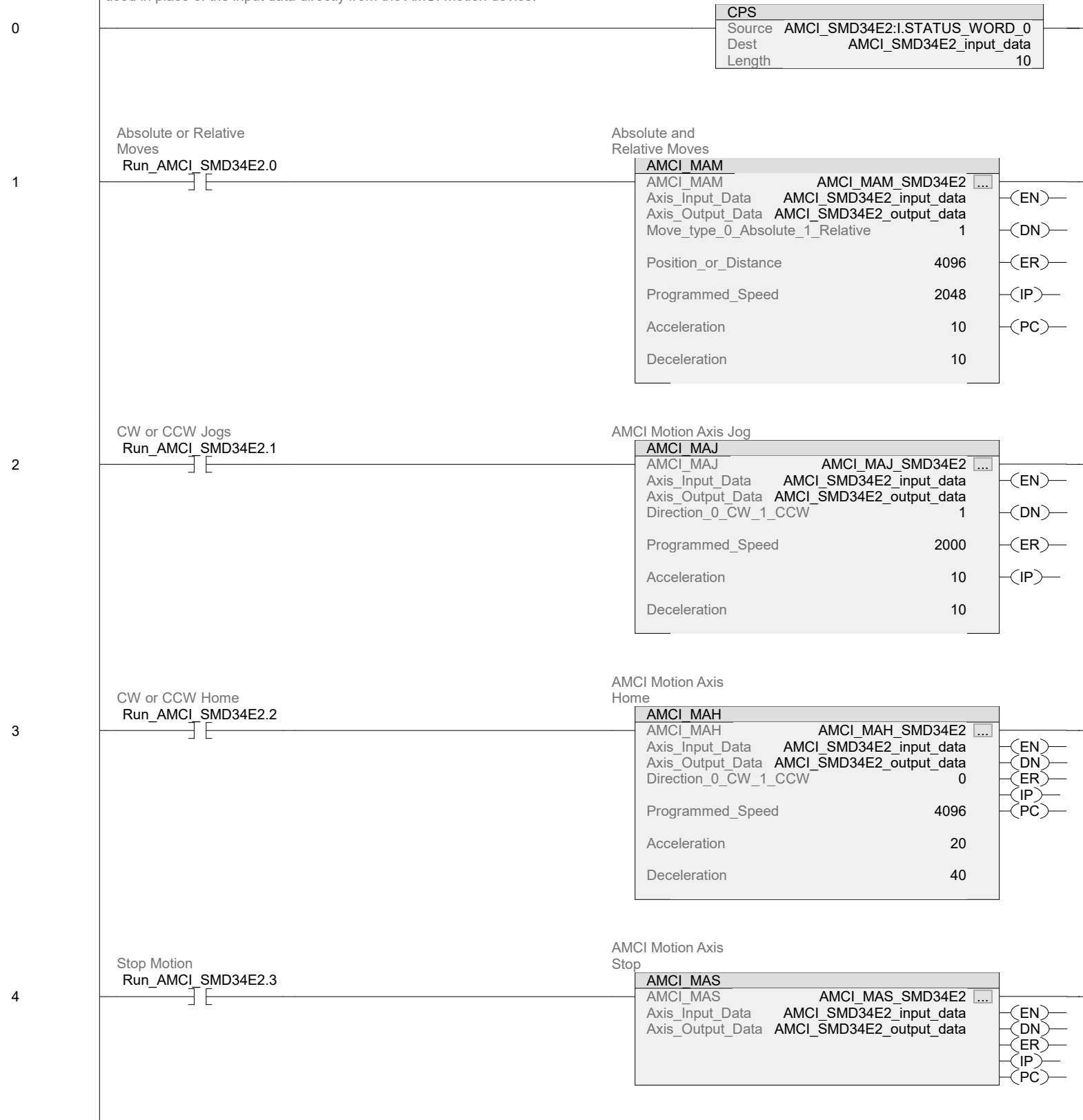
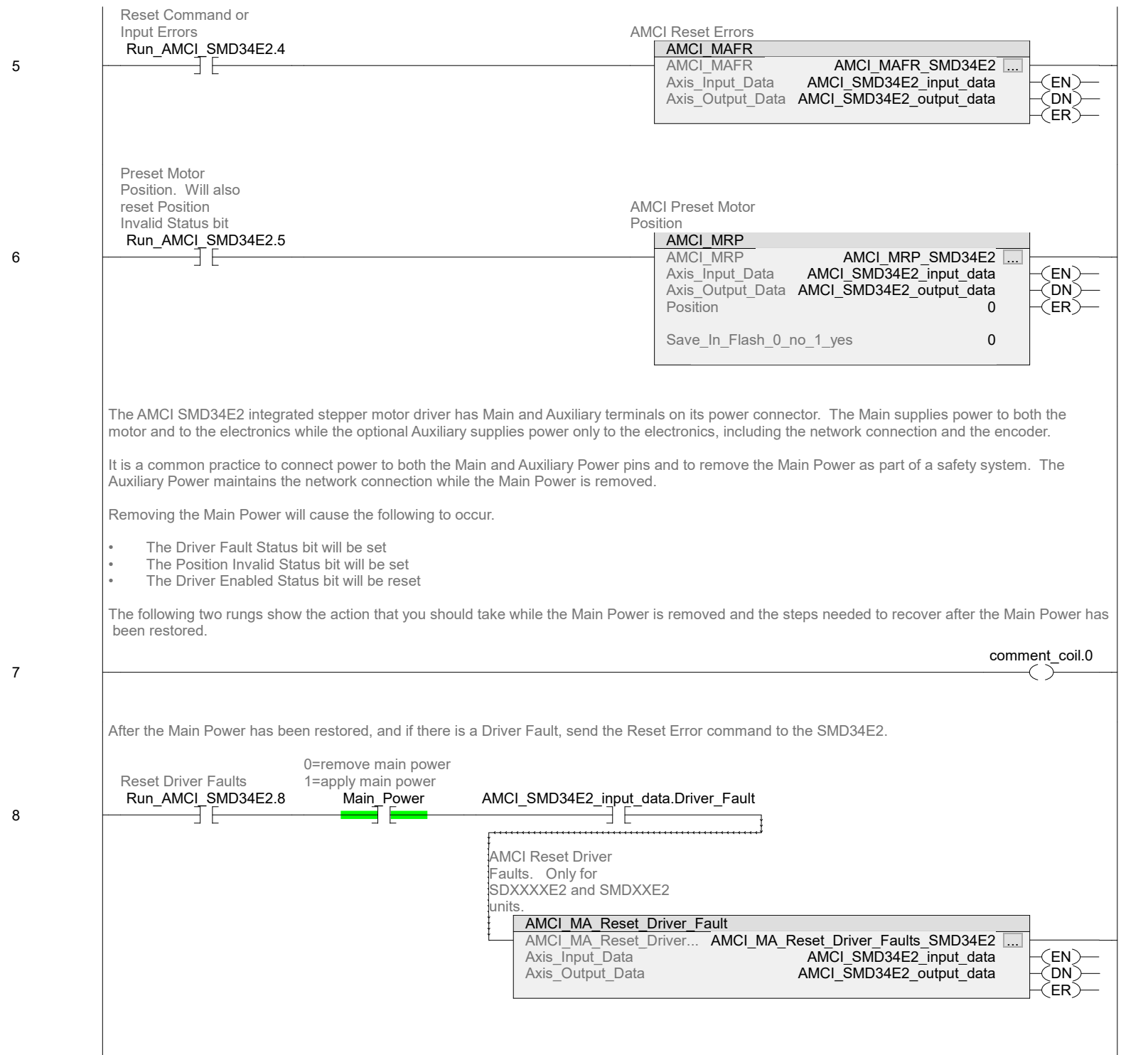


At the top of your program, BEFORE ALL OF THE ADD ON INSTRUCTIONS, use a CPS instruction to copy the input data from the AMCI motion device to a tag array that was created using the AMCI_Motion_Axis_Input_Data User Defined Data Type.

The input data in this tag array is made up of named tags and will also be used as the buffered data in your program. It is this buffered data that must be used in place of the input data directly from the AMCI motion device.

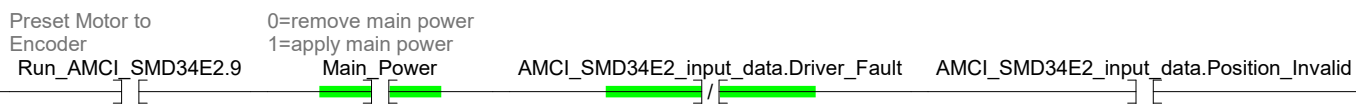




Removing the Main Power also causes the Position Invalid Status bit to become set. This status Bit must be reset before you can perform Absolute Moves, or you can ignore this status bit if you are performing any other type of move.

The following rung enables the driver and also presets the current motor position to the current encoder position.

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Enables and sets the motor position to the absolute encoder position. Only for AMCI SMDXXE2 with Absolute Encoders.

AMCI MSO and Preset to Absolute Encoder

AMCI_MSO_and_Preset_...	AMCI_MSO_Preset To Absolute Encoder	...
Axis_Input_Data	AMCI_SMD34E2_input_data	(EN)
Axis_Output_Data	AMCI_SMD34E2_output_data	(DN)
		(ER)

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Linear Axis Follower
Run_AMCI_SMD34E2.6

Linear Axis Follower for SD and SMD devices. Will not work with SV integrated servo devices.

AMCI MA SD SMD Linear Follower

AMCI_MA_SD_SMD_Linear_Fo...	AMCI_MA_Linear_Follower_SMD34E2	...
Axis_Input_Data	AMCI_SMD34E2_input_data	(EN)
Axis_Output_Data	AMCI_SMD34E2_output_data	(ER)
Follower_Position	Sample_Motion_Axis.CommandPosition	0.0
Follower_Velocity	Sample_Motion_Axis.CommandVelocity	0.0
Acceleration		500
Deceleration		500
Proportional_Coefficient		1
Network_delay		0

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Circular Axis Follower
Run_AMCI_SMD34E2.7

Circular Axis Follower for SD and SMD devices. Will not work with SV integrated servo devices.

AMCI MA SD SMD Circular Follower

AMCI_MA_SD_SMD_Circular_...	AMCI_MA_Circular_Follower_SMD34E2	...
Axis_Input_Data	AMCI_SMD34E2_input_data	(EN)
Axis_Output_Data	AMCI_SMD34E2_output_data	(DN)
Follower_Position	Sample_Motion_Axis.CommandPosition	0.0
Follower_Velocity	Sample_Motion_Axis.CommandVelocity	0.0
Acceleration		500
Deceleration		500
Proportional_Coefficient		1
Conversion_Constant		2048
Position_Unwind		16384

At the bottom of your program, after all of the Add On Instructions, use a CPS instruction to copy the data from the AOIs to the output registers of the AMCI motion device.

The source tag array that was created using the AMCI_Motion_Axis_Output_Data User Defined Data Type.

CPS	
Source	AMCI_SMD34E2_output_data
Dest	AMCI_SMD34E2:O.COMMAND_WORD_0
Length	10

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(End)