

# TECHNICAL DOCUMENTATION

## SP9\_7

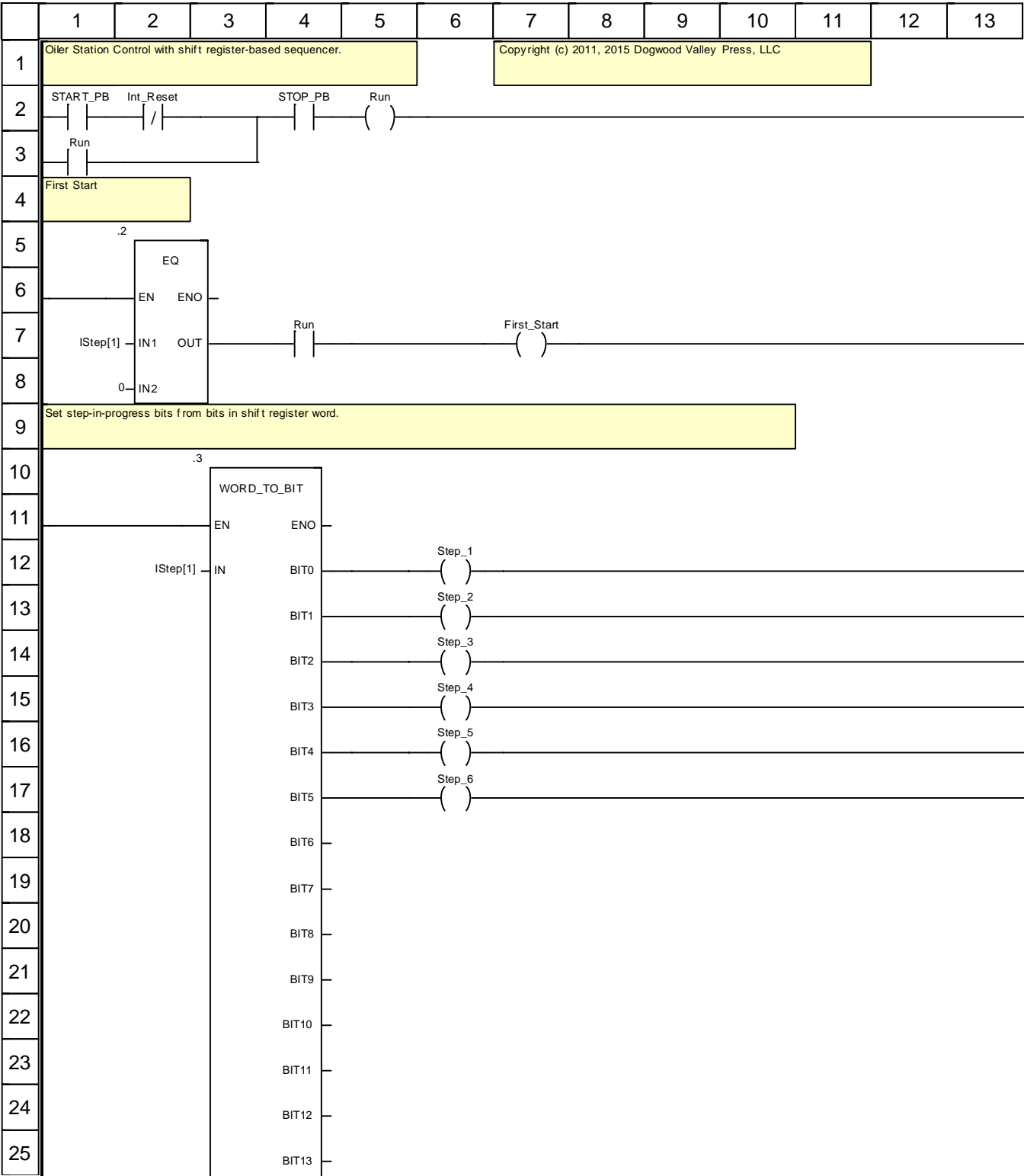
Project	SP9_7
Designer	
Application	sp9_07.stu
Software Version	ControlExpert V15.0-SP1
Creation Date	6/23/2023 4:55:25 PM
Last Modification Date	6/23/2023 4:55:25 PM
Target PLC	BMX P34 1000 02.00CPU 340-10 Modbus

# MAST

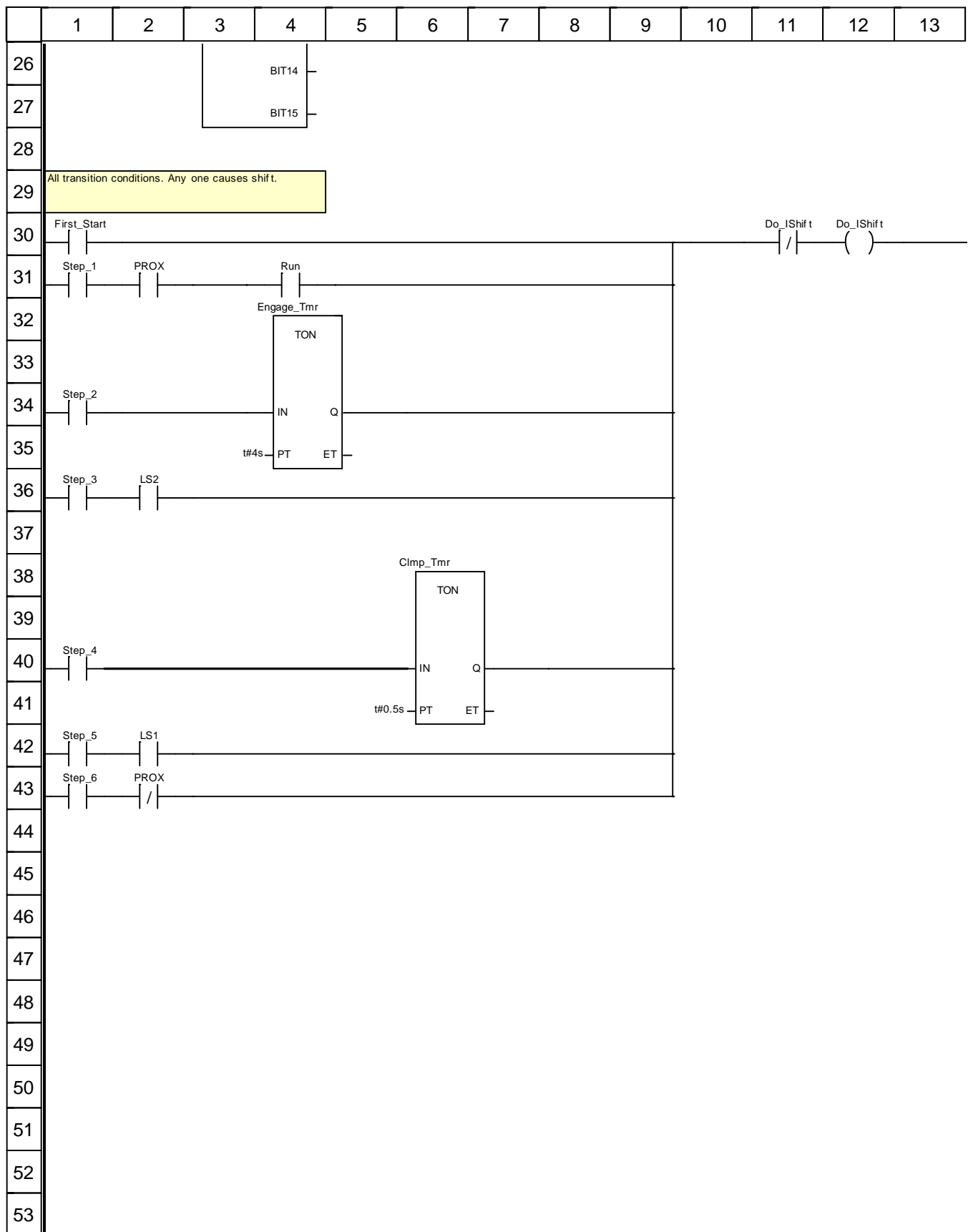
**Specific properties**

Configuration	Cyclic
Task period configuration	0
Watchdog time configuration	250

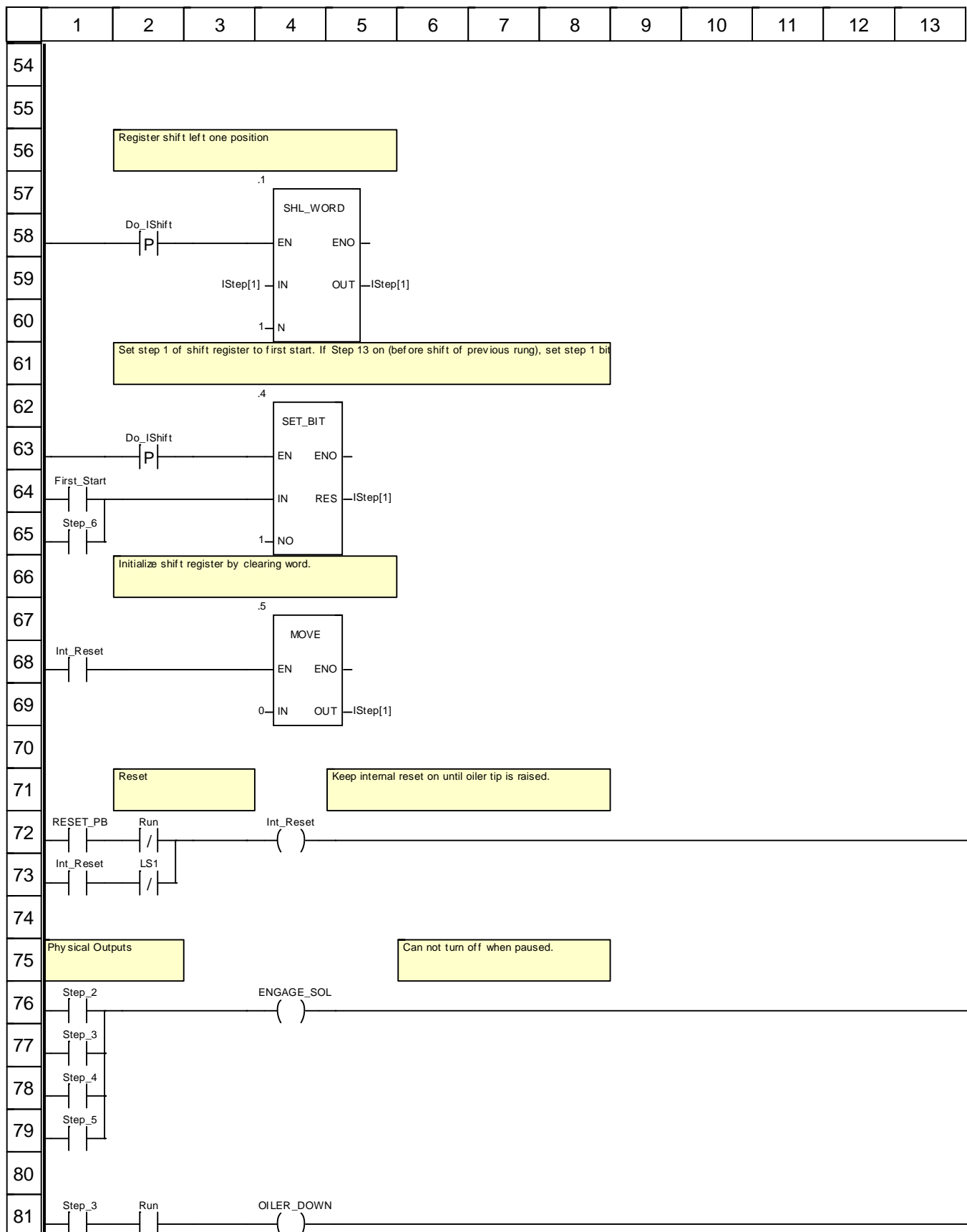
# Main : [MAST]



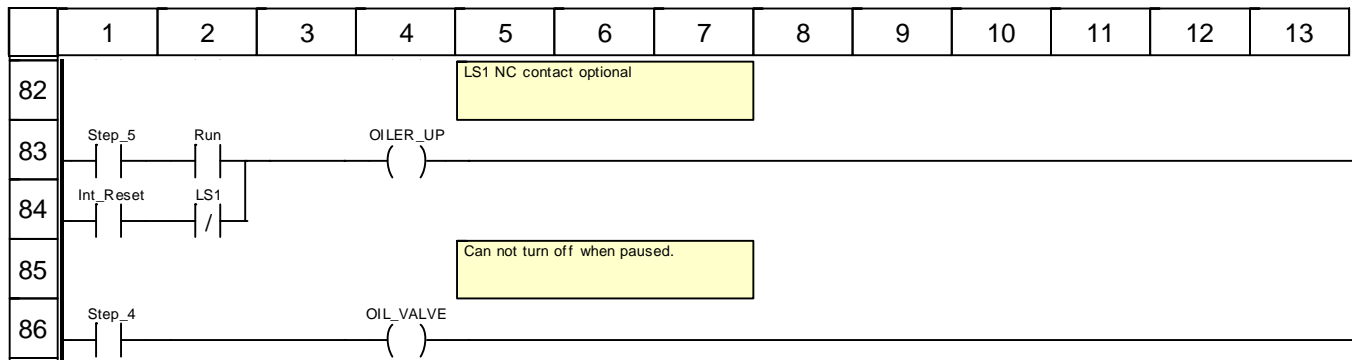
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# FAST

**Specific properties**

Configuration	Periodic
Task period configuration	5
Watchdog time configuration	100

# Cross References

## Application:

### Addresses

Object	Referred into	Location	Usage
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### Variables or FB instances

Object	Referred into	Location	Usage
Clmp_Tmr	Main : [MAST]	(L 38, c: 6)	FC
Do_IShift	Main : [MAST]	(L 30, c: 11)	R
		(L 30, c: 12)	W
		(L 58, c: 2)	R
		(L 63, c: 2)	R
ENGAGE_SOL	Main : [MAST]	(L 76, c: 4)	W
Engage_Tmr	Main : [MAST]	(L 32, c: 4)	FC
First_Start	Main : [MAST]	(L 7, c: 7)	W
		(L 30, c: 1)	R
		(L 64, c: 1)	R
Int_Reset	Main : [MAST]	(L 2, c: 2)	R
		(L 68, c: 1)	R
		(L 72, c: 4)	W
		(L 73, c: 1)	R
		(L 84, c: 1)	R
IStep	Main : [MAST]	(L 5, c: 2)	R
		(L 10, c: 3)	R
		(L 57, c: 4)	R
		(L 57, c: 4)	W
		(L 62, c: 4)	W
		(L 67, c: 4)	W
LS1	Main : [MAST]	(L 42, c: 2)	R
		(L 73, c: 2)	R
		(L 84, c: 2)	R
LS2	Main : [MAST]	(L 36, c: 2)	R
OIL_VALVE	Main : [MAST]	(L 86, c: 4)	W
OILER_DOWN	Main : [MAST]	(L 81, c: 4)	W
OILER_UP	Main : [MAST]	(L 83, c: 4)	W
PROX	Main : [MAST]	(L 31, c: 2)	R
		(L 43, c: 2)	R
RESET_PB	Main : [MAST]	(L 72, c: 1)	R
Run	Main : [MAST]	(L 2, c: 5)	W
		(L 3, c: 1)	R
		(L 7, c: 4)	R
		(L 31, c: 4)	R
		(L 72, c: 2)	R
		(L 81, c: 2)	R
		(L 83, c: 2)	R
START_PB	Main : [MAST]	(L 2, c: 1)	R
Step_1	Main : [MAST]	(L 12, c: 6)	W
		(L 31, c: 1)	R
Step_2	Main : [MAST]	(L 13, c: 6)	W
		(L 34, c: 1)	R
		(L 76, c: 1)	R
Step_3	Main : [MAST]	(L 14, c: 6)	W

## Cross References

Object	Referred into	Location	Usage
		(l 36, c: 1)	R
		(l 77, c: 1)	R
		(l 81, c: 1)	R
Step_4	Main : [MAST]	(l 15, c: 6)	W
		(l 40, c: 1)	R
		(l 78, c: 1)	R
		(l 86, c: 1)	R
Step_5	Main : [MAST]	(l 16, c: 6)	W
		(l 42, c: 1)	R
		(l 79, c: 1)	R
		(l 83, c: 1)	R
Step_6	Main : [MAST]	(l 17, c: 6)	W
		(l 43, c: 1)	R
		(l 65, c: 1)	R
STOP_PB	Main : [MAST]	(l 2, c: 4)	R

### EF objects

Object	Referred into	Location	Usage
eq	Main : [MAST]	(l 5, c: 2)	FC
eq_word	Main : [MAST]	(l 5, c: 2)	FC
move	Main : [MAST]	(l 67, c: 4)	FC
set_bit	Main : [MAST]	(l 62, c: 4)	FC
shl_word	Main : [MAST]	(l 57, c: 4)	FC
word_to_bit	Main : [MAST]	(l 10, c: 3)	FC

# Cross References

## Seq\_Trans:

Variables or FB instances

Object	Referred into	Location	Usage
Sequence	Main <DFB> : [Seq_Trans]	(l 2, c: 4)	R
		(l 2, c: 25)	R
		(l 3, c: 18)	R
		(l 3, c: 5)	W
		(l 4, c: 26)	R
		(l 4, c: 5)	W
		(l 5, c: 8)	R
		(l 6, c: 22)	R
		(l 6, c: 9)	W
		(l 9, c: 30)	R
		(l 9, c: 15)	R
		(l 11, c: 6)	R
		(l 12, c: 8)	R
		(l 13, c: 8)	R
		(l 15, c: 1)	W
		(l 16, c: 1)	W
StepCtr	Main <DFB> : [Seq_Trans]	(l 9, c: 1)	FC