

[Program Name : CarWash]

[Section Name : Init]

000000
(000000)

A200.11

P_First_C
ycle
First
Cycle
Flag

MOV
(021)

#8012
102

[OP1]

[OP2]

<102.01>

a139

<102.02>

a144

<102.03>

a147

<102.04>

a149

<102.05>

a151

<102.06>

a153

<102.07>

a155

MOV
(021)

#8010
103

[OP1]

[OP2]

SET

<W000.00>

a011

W0.00
Off_Stat
e

RSET

<W000.01>

a019 a087 a099

a117 a140 a145

W0.01
Rinse_St
ate

RSET

<W000.02>

a033 a091 a101

a119 a141 a148

W0.02
Soap_St
ate

RSET

<W000.03>

a047 a088 a103

a121 a142 a146

a152

W0.03
Brush_St
ate

RSET

<W000.04>

a061 a092 a105

a123 a143 a150

W0.04
Wax_Sta
te

RSET

<W000.05>

a075 a107 a125

a127 a131 a135

W0.05
Dry_Stat
e

RSET

<W000.07>

a109 a129 a133

a136 a157

W0.07
ShutterC
lose_Sta
te

[Program Name : CarWash]
[Section Name : Off_State]

000000
(000011)

W0.00

IL
(002)

Off_State

000001
(000013)

I: 0.00

I: 0.02

RSET

<W000.00>
a011

Start

MiddlePro

Manual

xSwitch

Switch to

Keeps in

give

check if

power to

vehicle is

system

in optimail

position

W0.00
Off_State

SET

<W000.01>
a019 a087 a099
a117 a140 a145

W0.01
Rinse_State

000002
(000017)

ILC
(003)

[Program Name : CarWash]
[Section Name : Rinse_State]

000000
(000019)

W0.01

IL
(002)

Rinse_State

000001
(000021)

T0000

RSET

<W000.01>
a019 a087 a099
a117 a140 a145

W0.01
Rinse_State

SET

<W000.02>
a033 a091 a101
a119 a141 a148

W0.02
Soap_State

000002
(000024)

I: 0.01

RSET

<W000.01>
a019 a087 a099
a117 a140 a145

W0.01
Rinse_State

Stop
Stop
Switch to
stop
power to
system
and
set/reset
states to
initialization
cycle

I: 0.03

WaterLevelLow
Input from
Float
Switch
when
water tank
is empty

I: 0.07

SET

<W000.00>
a011

W0.00
Off_State

SoapLevelLow
Input from
Float
Switch
when
soap tank
is empty

I: 0.08

WaxSolutionLevelLow
Input from
Float
Switch
when wax
solution
tank is
empty

I: 0.02

MiddleProxSwitch
Keeps in
check if
vehicle is
in optmail

position

000003
(000031)

ILC
(003)

[Program Name : CarWash]

[Section Name : Soap_State]

000000
(000033)

W0.02

IL
(002)

Soap_State

000001
(000035)

T0001

RSET

<W000.02>
a033 a091 a101
a119 a141 a148

W0.02
Soap_State

SET

<W000.03>
a047 a088 a103
a121 a142 a146
a152

W0.03
Brush_State

000002
(000038)

I: 0.01

RSET

<W000.02>
a033 a091 a101
a119 a141 a148

Stop
Stop
Switch to
stop
power to
system
and
set/reset
states to
initialization
cycle

W0.02
Soap_State

I: 0.03

WaterLevelLow
Input from
Float
Switch
when
water tank
is empty

I: 0.07

SET

<W000.00>
a011

SoapLevelLow
Input from
Float
Switch
when
soap tank
is empty

W0.00
Off_State

I: 0.08

WaxSolutionLevelLow
Input from
Float
Switch
when wax
solution
tank is
empty

I: 0.02

MiddleProxSwitch
Keeps in
check if
vehicle is
in optima

position

000003
(000045)

ILC
(003)

[Program Name : CarWash]

[Section Name : Brush_State]

000000
(000047)

W0.03

IL
(002)

Brush_State

000001
(000049)

T0002

RSET

<W000.03>

a047 a088 a103
a121 a142 a146
a152

W0.03
Brush_State

SET

<W000.04>

a061 a092 a105
a123 a143 a150

W0.04
Wax_State

000002
(000052)

I: 0.01

RSET

<W000.03>

a047 a088 a103
a121 a142 a146
a152

W0.03
Brush_State

Stop
Stop
Switch to
stop
power to
system
and
set/reset
states to
initialization
cycle

I: 0.03

WaterLevelLow
Input from
Float
Switch
when
water tank
is empty

I: 0.07

SET

<W000.00>

a011

W0.00
Off_State

SoapLevelLow
Input from
Float
Switch
when
soap tank
is empty

I: 0.08

WaxSolutionLevelLow
Input from
Float
Switch
when wax
solution
tank is
empty

I: 0.02

MiddleProxSwitch
Keeps in
check if
vehicle is
in optima

position

000003
(000059)

ILC
(003)

[Program Name : CarWash]
[Section Name : Wax_State]

000000
(000061)

W0.04

IL
(002)

Wax_State

000001
(000063)

T0003

RSET

<W000.04>
a061 a092 a105
a123 a143 a150

W0.04
Wax_State

SET

<W000.05>
a075 a107 a125
a127 a131 a135

W0.05
Dry_State

000002
(000066)

I: 0.01

RSET

<W000.04>
a061 a092 a105
a123 a143 a150

W0.04
Wax_State

Stop
Stop
Switch to
stop
power to
system
and
set/reset
states to
initialization
cycle

I: 0.03

WaterLevelLow
Input from
Float
Switch
when
water tank
is empty

I: 0.07

SET

<W000.00>
a011

W0.00
Off_State

SoapLevelLow
Input from
Float
Switch
when
soap tank
is empty

I: 0.08

WaxSolutionLevelLow
Input from
Float
Switch
when wax
solution
tank is
empty

I: 0.02

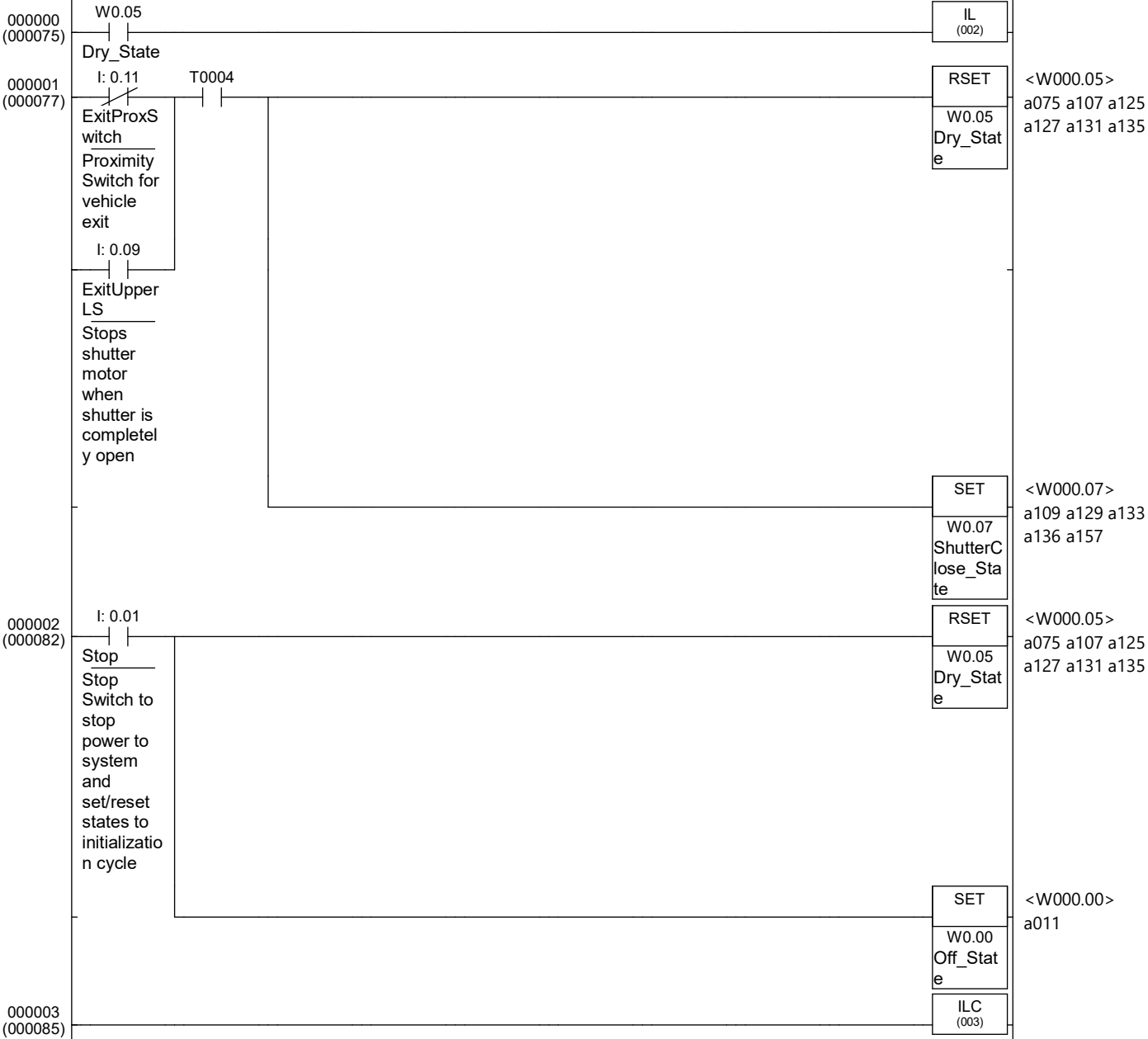
MiddleProxSwitch
Keeps in
check if
vehicle is
in optima

position

000003
(000073)

ILC
(003)

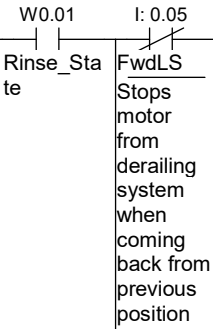
[Program Name : CarWash]
[Section Name : Dry_State]



[Program Name : CarWash]

[Section Name : Outputs]

000000
(000087)

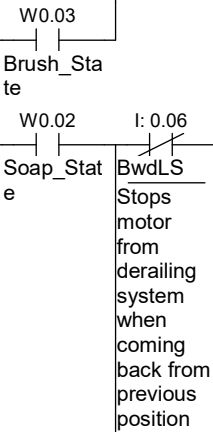


Q: 100.00

FwdRailR
elay

Motor relay for
forward motion

000001
(000091)

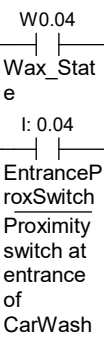


Q: 100.03

BwdRailR
elay

Motor relay for
reverse motion

000002
(000095)

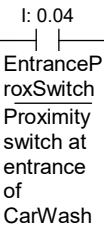


Q: 100.01

TrackMot
or

Coil for Track
Motor

000003
(000097)

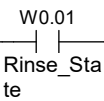


Q: 100.02

Undercarri
ageWater
Pump

Coil for
undercarriage
water pump

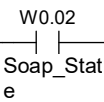
000004
(000099)



TIM
0000
#300

[OP1]
<T0000(bit)>
a021
[OP2]

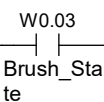
000005
(000101)



TIM
0001
#300

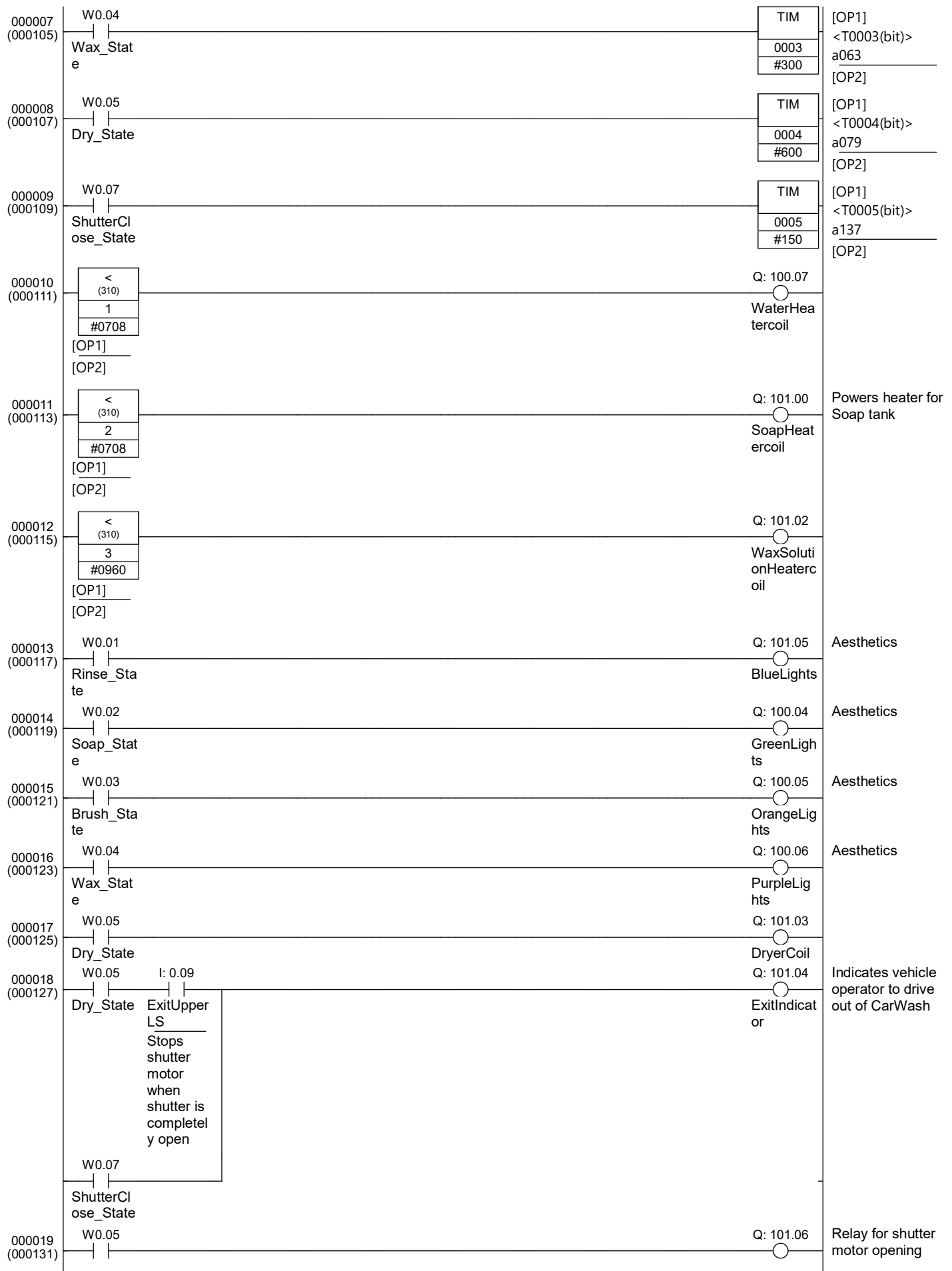
[OP1]
<T0001(bit)>
a035
[OP2]

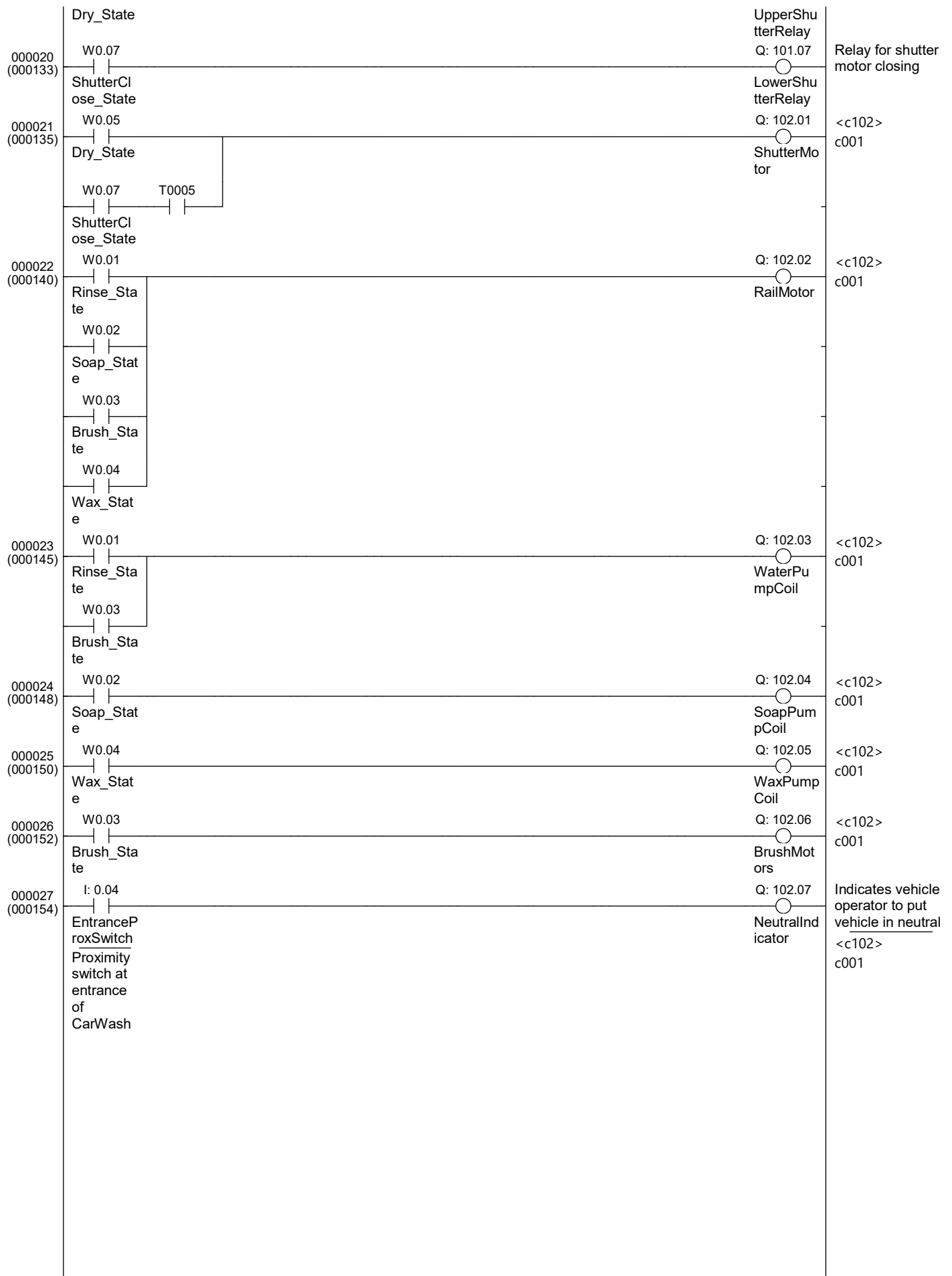
000006
(000103)



TIM
0002
#300

[OP1]
<T0002(bit)>
a049
[OP2]





[Program Name : CarWash]

[Section Name : ShutterClose]

000000
(000157)

W0.07

IL
(002)

ShutterClose_State

000001
(000159)

I: 0.10

I: 0.11

RSET

<W000.07>
a109 a129 a133
a136 a157

ExitLower
LS

ExitProxS
witch

W0.07
ShutterClose_State

Stops
shutter
motor
when
shutter is
completely closed

Proximity
Switch for
vehicle
exit

SET

<W000.00>
a011

W0.00
Off_State

000002
(000163)

ILC
(003)

[Program Name : CarWash]

[Section Name : END]

000000
(000165)

END
(001)