Test Specification Report

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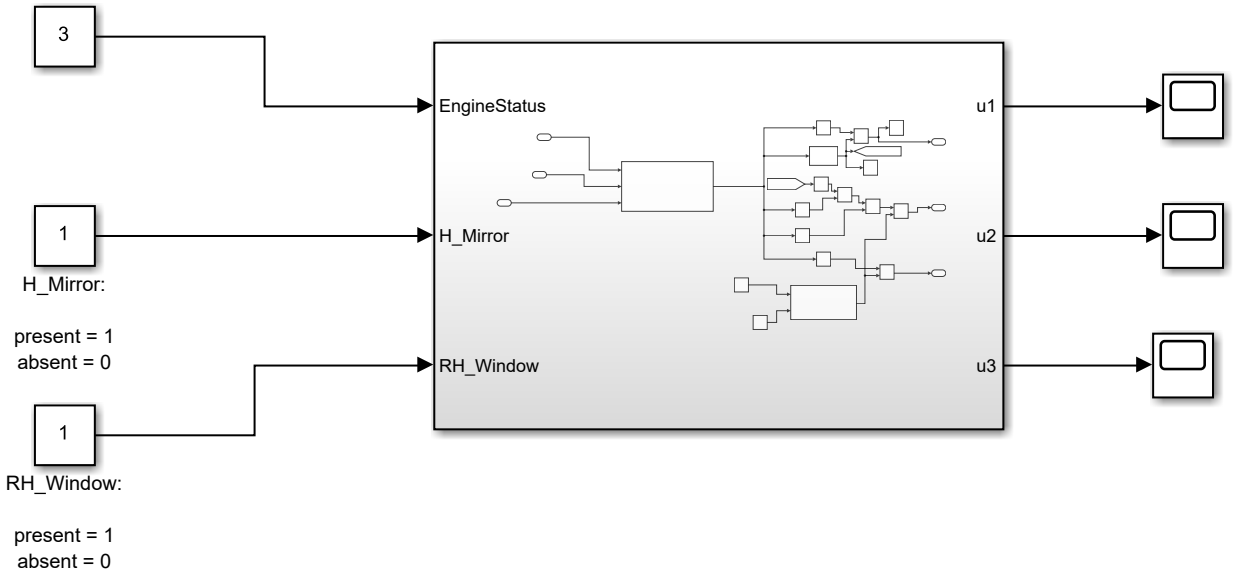
1. DiagReq2_TestCases

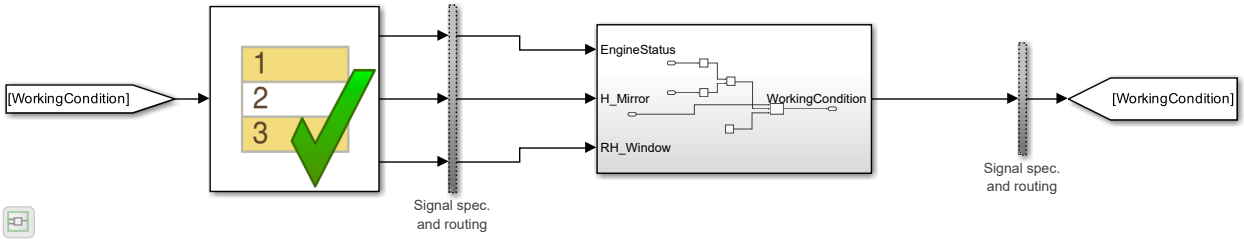
1.1. DiagReq2

System Under Test

Model Name: InitDiag



Harness Name: InitDiag_Harness1



Test Sequence Data: InitDiag_Harness1/Test Sequence

Symbols

Table 1.1. Input

Port	Name	Class	Data Type*	Size*
1	WorkingCondition	Data	double	[1]

Table 1.2. Output

Port	Name	Class	Data Type*	Size*
1	EngineStatus	Data	double	[1]
2	H_Mirror	Data	double	[1]
3	RH_Window	Data	double	[1]

***Note:** The model was not compiled during report generation. As a result, the preceding Symbols section does not include information requiring model compilation. See the help for the TestSequence reporter for more information.*

Step Hierarchy

Run

Description

H_Mirror absent AND RH_Window absent

Action

```
%% Initialize data outputs.
EngineStatus = 0;
H_Mirror = 0;
RH_Window = 0;
```

Table 1.3. Transition Table

Condition	Next Step
true	step_1

step_1

Description

BCM will go to not active functional state

Action

```
verify(WorkingCondition==0);
```

Table 1.4. Transition Table

Condition	Next Step
true	step_2

step_2

Description

H_Mirror present AND RH_Window present But invalid enginestatus

Action

```
EngineStatus = 0 ;
H_Mirror = 1;
RH_Window = 1;
```

Table 1.5. Transition Table

Condition	Next Step
true	step_3

step_3

Description

BCM will go to not active functional state

Action

```
verify(WorkingCondition - 0 < 0.0001);
```

Table 1.6. Transition Table

Condition	Next Step
true	step_4

step_4

Description

H_Mirror present AND RH_Window present enginestatus =Ignition OFF

Action

```
EngineStatus = 1 ;
H_Mirror = 1;
RH_Window = 1;
```

Table 1.7. Transition Table

Condition	Next Step
true	step_5

step_5

Description

BCM goes to Ignition OFF functional state

Action

```
verify(WorkingCondition - 1 < 0.0001);
```

Table 1.8. Transition Table

Condition	Next Step
true	step_6

step_6

Description

H_Mirror present AND RH_Window present enginestatus =Ignition ON

Action

```
EngineStatus = 2;
H_Mirror = 1;
RH_Window = 1;
```

Table 1.9. Transition Table

Condition	Next Step
true	step_7

step_7

Description

BCM goes to Ignition ON functional state

Action

```
verify(WorkingCondition - 2 < 0.0001);
```

Table 1.10. Transition Table

Condition	Next Step
true	step_8

step_8

Description

H_Mirror present AND RH_Window present enginestatus =Ignition START

Action

```
EngineStatus = 3;
H_Mirror = 1;
RH_Window = 1;
```

Table 1.11. Transition Table

Condition	Next Step
true	step_9

step_9

Description

BCM goes to Ignition START functional state

Action

```
verify(WorkingCondition - 3 < 0.0001);
```

Table 1.12. Transition Table

Condition	Next Step
true	step_10

step_10

Description

H_Mirror present AND RH_Window present enginestatus =Ignition ON Engine ON

Action

```
EngineStatus = 4;
H_Mirror = 1;
RH_Window = 1;
```

Table 1.13. Transition Table

Condition	Next Step
true	step_11

step_11

Description

BCM goes to Ignition ON Engine On functional state

Action

```
verify(WorkingCondition - 4 < 0.0001);
```

Table 1.14. Transition Table

Condition	Next Step
true	step_12

step_12

Description

H_Mirror present AND RH_Window present enginestatus =Ignition SNAN

Action

```
EngineStatus = 5;
H_Mirror = 1;
RH_Window = 1;
```

Table 1.15. Transition Table

Condition	Next Step
true	step_13

step_13

Description

BCM goes to Ignition ON Engine SNA (notActive) functional state

Action

```
verify(WorkingCondition - 5 < 0.0001);
```

Simulation Settings Overrides

Simulation Mode	[Model Settings]
Releases	Current

Configuration Settings Overrides

Configuration settings	Do not override model settings