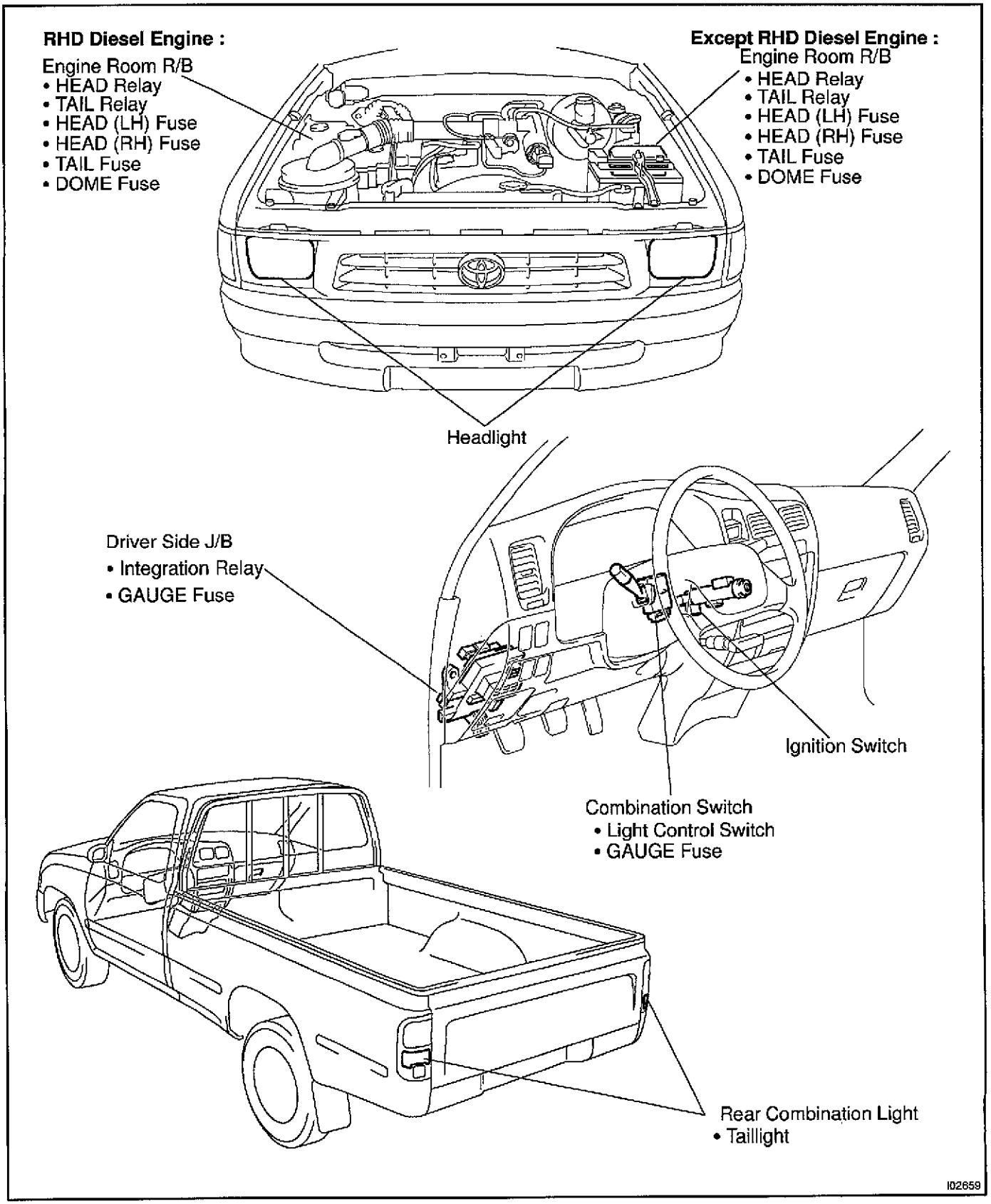
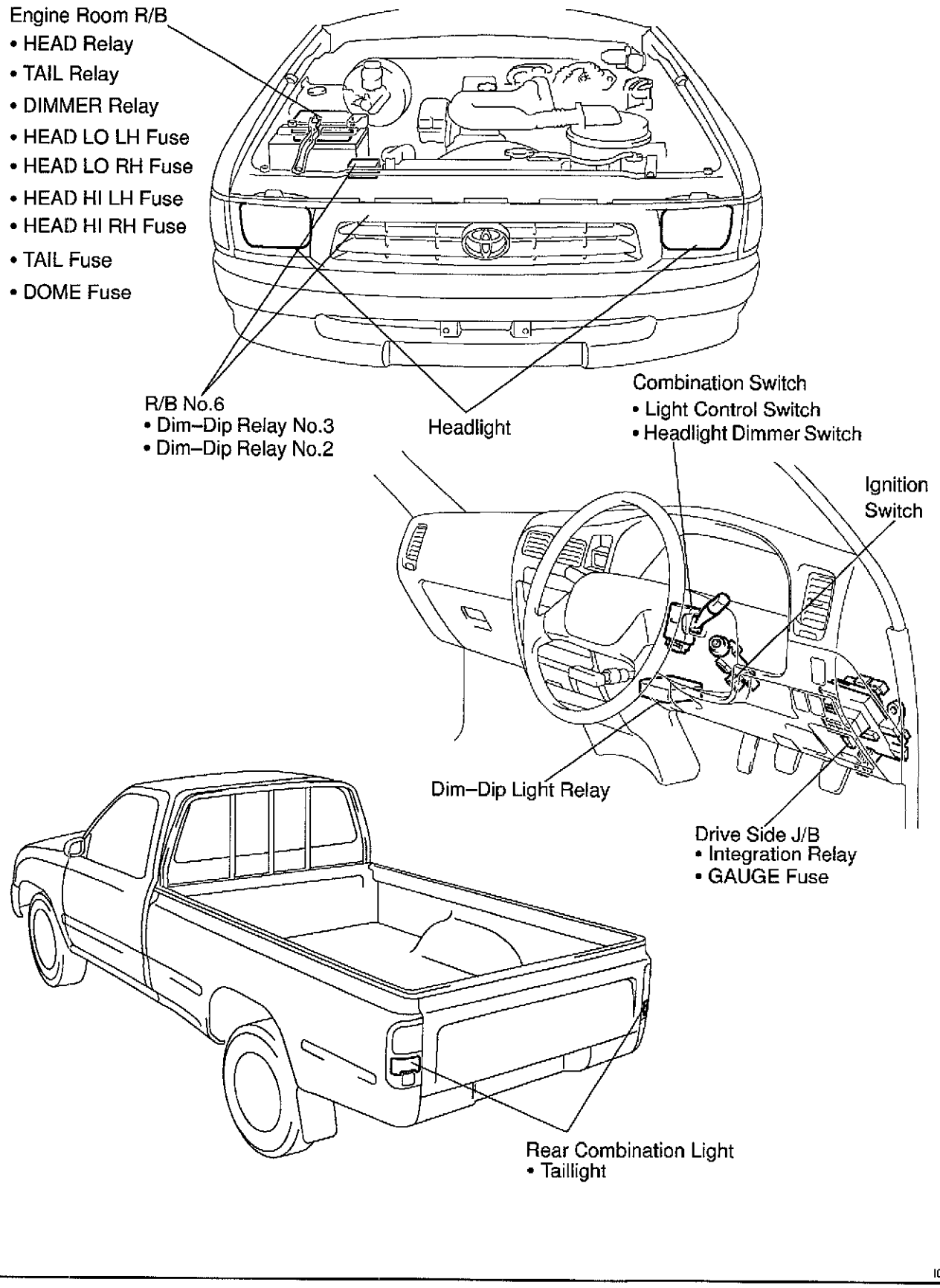
HEADLIGHT AND TAILLIGHT SYSTEM
LOCATION

BE06R-01

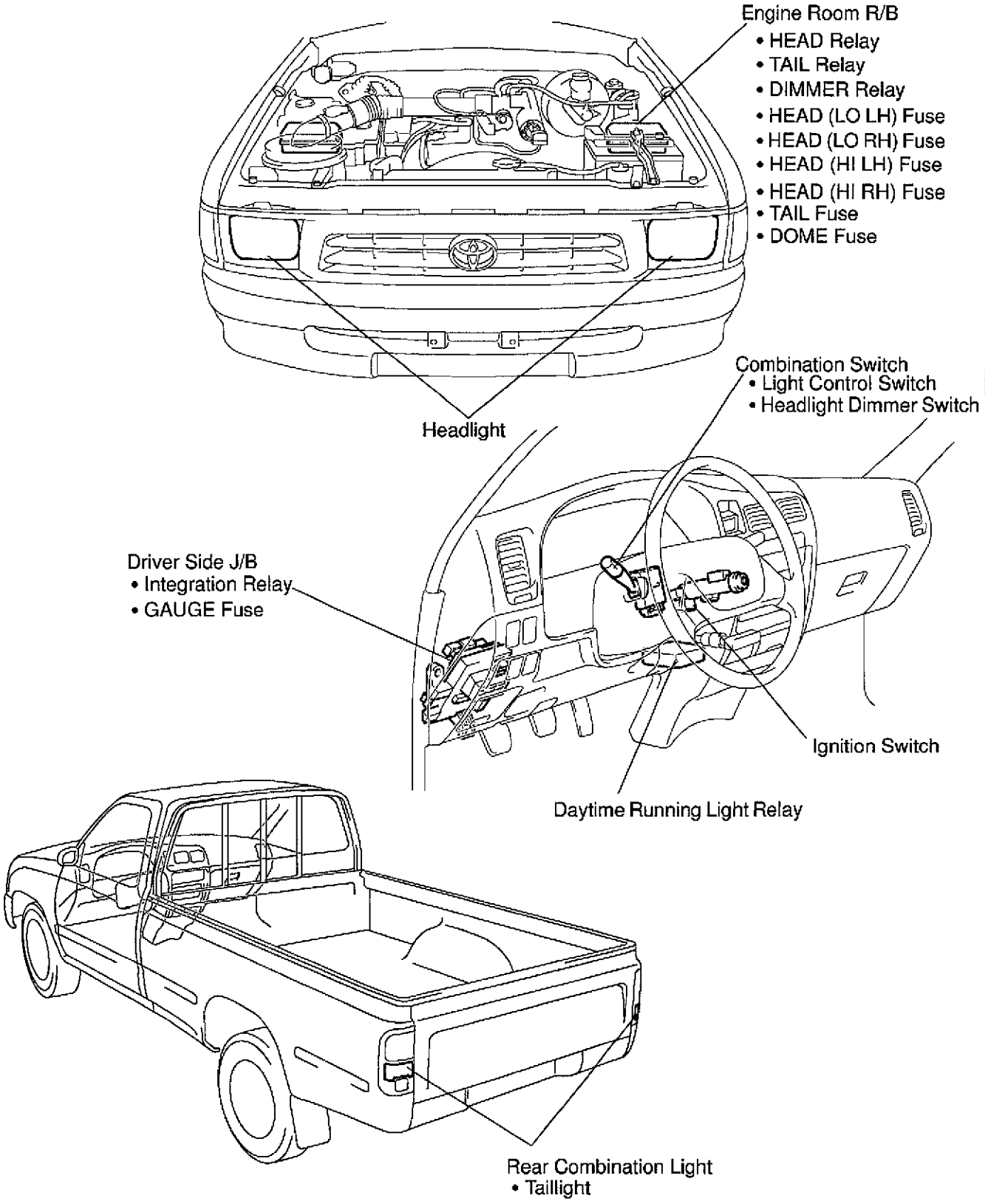


w/ Dim–Dip Light System (For United Kingdom) :



I02660

w/ Daytime Running Light System (For Denmark, Finland, Iceland, Norway, and Sweden) :

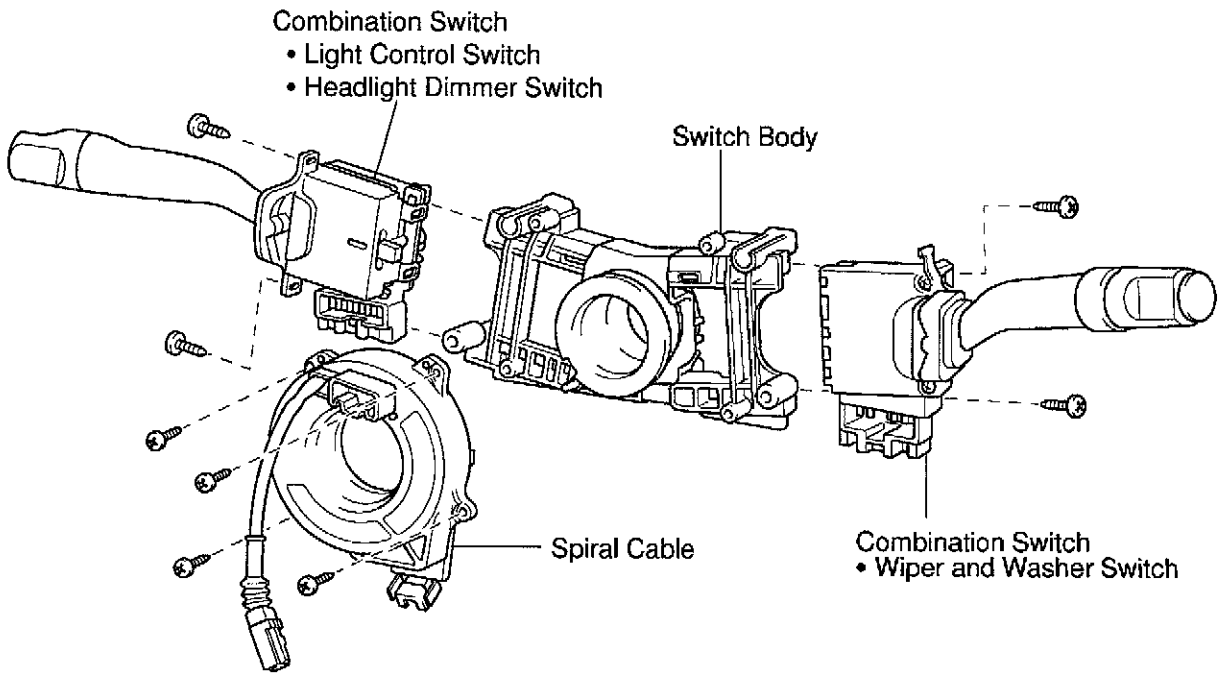


I02661

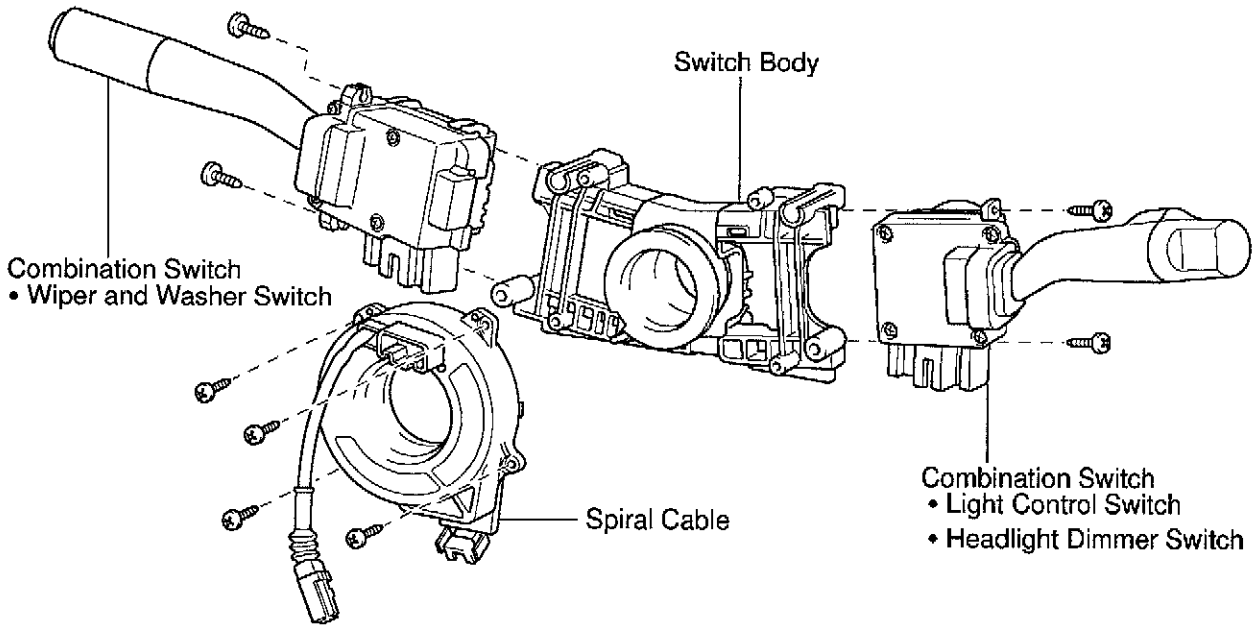
BE06S-01

COMPONENTS

LHD, United Kingdom and Ireland Models :



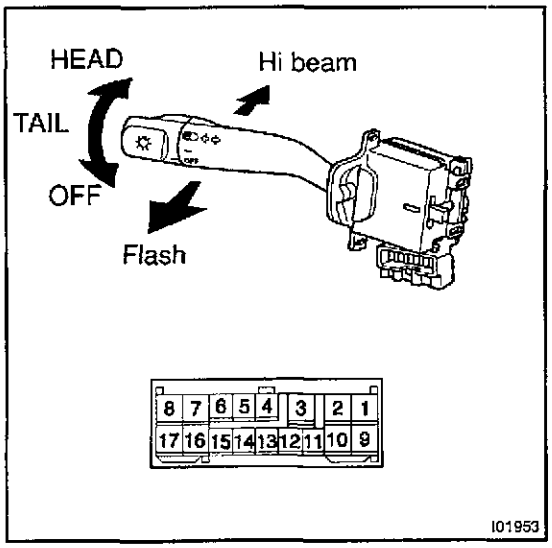
RHD Models (Except United Kingdom and Ireland Models) :



I01952

BE06T-01

INSPECTION



1. LHD, United Kingdom and Ireland models: INSPECT LIGHT CONTROL SWITCH

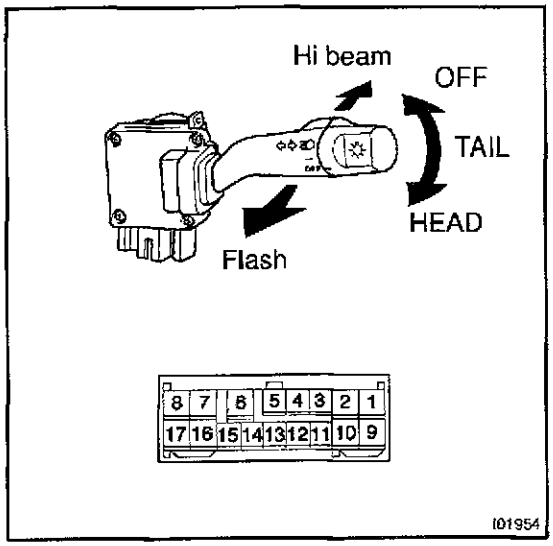
Switch position	Tester connection	Specified condition
OFF	–	No continuity
TAIL	14 – 16	Continuity
HEAD	13 –14 – 16	Continuity

If continuity is not as specified, replace the switch.

2. LHD, United Kingdom and Ireland models: INSPECT HEADLIGHT DIMMER SWITCH

Switch position	Tester connection	Specified condition
Flash	7 – 8 – 16	Continuity
Low beam	16 – 17	Continuity
Hi beam	7 – 16	Continuity

If continuity is not as specified, replace the switch.



3. RHD models (Except United Kingdom and Ireland): INSPECT LIGHT CONTROL SWITCH

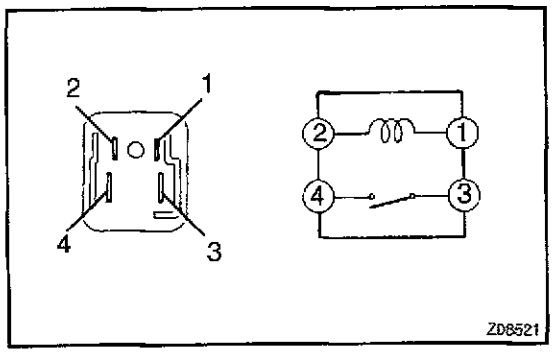
Switch position	Tester connection	Specified condition
OFF	–	No continuity
TAIL	9 – 15	Continuity
HEAD	9 – 14 – 15	Continuity

If continuity is not as specified, replace the switch.

4. RHD models (Except United Kingdom and Ireland): INSPECT HEADLIGHT DIMMER SWITCH

Switch position	Tester connection	Specified condition
Flash	7 – 8 – 16 (1 – 2 – 9)	Continuity
Low beam	16 –17 (9 – 10)	Continuity
Hi beam	7 – 16 (2 – 9)	Continuity

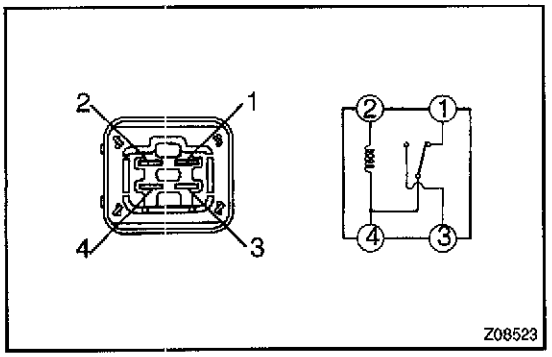
If continuity is not as specified, replace the switch.



5. INSPECT HEAD RELAY CONTINUITY

Condition	Tester connection	Specified condition
Constant	1 – 2	Continuity
Apply B + between terminals 1 and 2.	3 – 4	Continuity

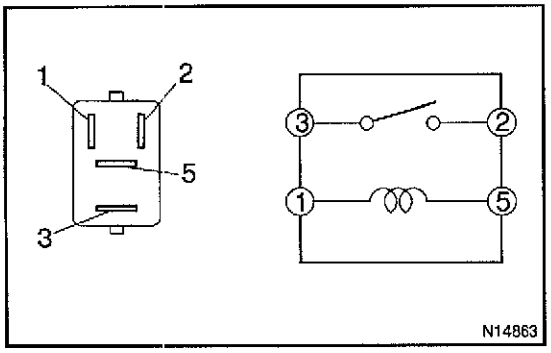
If continuity is not as specified, replace the relay.



6. INSPECT DIMMER RELAY CONTINUITY

Condition	Tester connection	Specified condition
Constant	1 – 4, 2 – 4	Continuity
Apply B + between terminals 2 and 4.	3 – 4	Continuity

If continuity is not as specified, replace the relay.



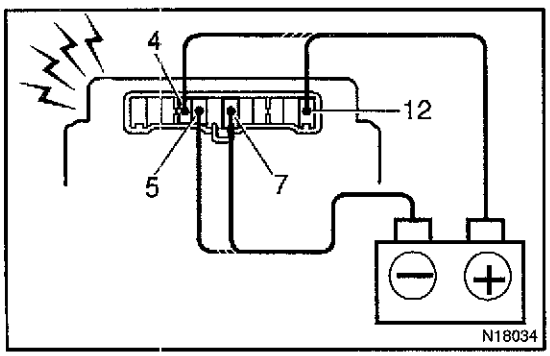
7. INSPECT TAIL RELAY CONTINUITY

Condition	Tester connection	Specified condition
Constant	1 – 2	Continuity
Apply B + between terminals 1 and 2.	3 – 5	Continuity

If continuity is not as specified, replace the relay.

8. w/ Light–On Warning System: INSPECT DOOR COURTESY SWITCH

(See page BE–33)

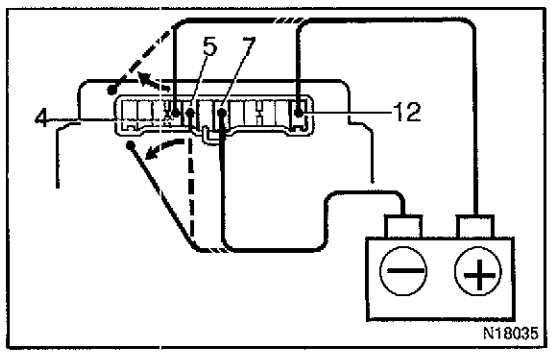


9. w/ Light–On Warning System: INSPECT INTEGRATION RELAY OPERATION

(a) Connect the positive (+) lead from the battery to terminal 12 and the negative (–) lead to terminal 7.

(b) Connect the positive (+) lead from the battery to terminal 4 and the negative (–) lead to terminal 5.

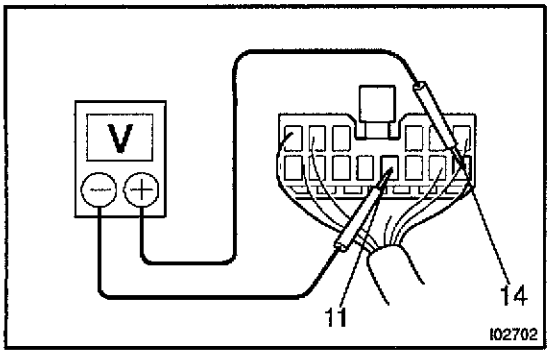
(c) Check that the buzzer sounds.



(d) Check that the buzzer does not sound when disconnecting terminal 4 or 5.

10. w/ Light–On Warning System: INSPECT INTEGRATION RELAY CIRCUIT

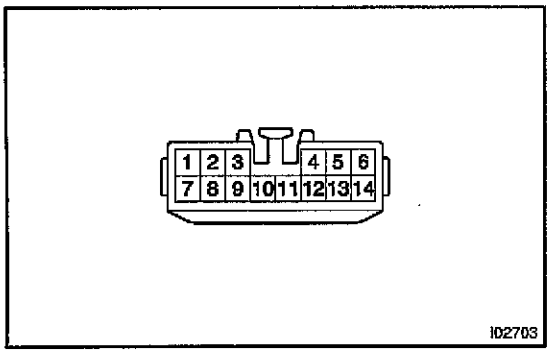
(See page BE–13)



11. w/ Daytime Running Light System:
INSPECT DAYTIME RUNNING LIGHT RELAY OPERATION

(a) Connect the positive (+) lead from the voltmeter to terminal 14 and negative (–) lead to terminal 11.

(b) Check that there is battery voltage with light control switch turned to ON.



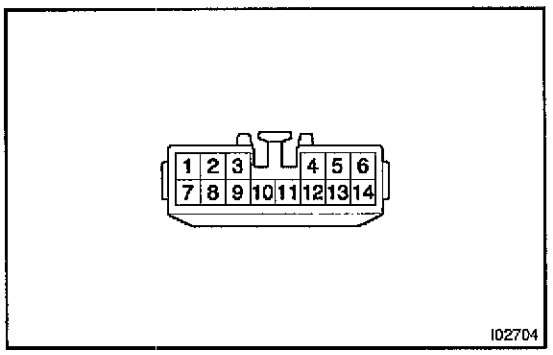
12. w/ Daytime Running Light System:
INSPECT DAYTIME RUNNING LIGHT RELAY CIRCUIT

Disconnect the connector from relay and inspect the connector on wire harness side, as shown.

Tester connection to terminal number	Condition	Specified condition
1 – Ground	Headlight dimmer switch Low beam or High beam	No continuity
1 – Ground	Headlight dimmer switch Flash	Continuity
3 – Ground	Light control switch OFF or TAIL	No continuity
3 – Ground	Light control switch HEAD	Continuity
5 – Ground	Light control switch OFF	No continuity
5 – Ground	Light control switch TAIL or HEAD	Continuity
8 – Ground	Headlight dimmer switch Low beam	No continuity
8 – Ground	Headlight dimmer switch Flash or High beam	Continuity
11 – Ground	Constant	Continuity
14 – Ground	Constant	Continuity
2 – Ground	Constant	Battery voltage
4 – Ground	Constant	Battery voltage
6 – Ground	Ignition switch LOCK or ACC	No voltage
6 – Ground	Ignition switch ON	Battery voltage
7 – Ground	Constant	No voltage
7 – Ground	Ground terminal 2	Battery voltage
9 – Ground	Constant	Battery voltage
12 – Ground	Constant	No voltage
12 – Ground	Ground terminal 4	Battery voltage
13 – Ground	Engine stop	No voltage
13 – Ground	Engine running	Battery voltage

If the circuit is as specified, try to replace the relay with a new one.

If the circuit is not as specified, inspect the circuit connected to other parts.

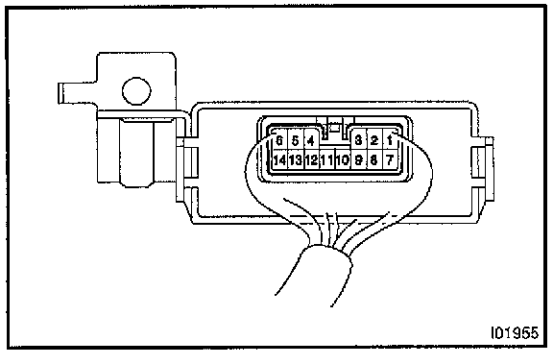


13. w/ Dim–Dip Light System:
INSPECT DIM–DIP LIGHT CONTROL RELAY CIRCUIT

(a) Disconnect the connector from the relay and inspect the connector on the wire harness side.

Tester connection to terminal No.	Condition	Specified condition
2 – Ground	Headlight dimmer switch Low beam	No continuity
2 – Ground	Headlight dimmer switch High beam or Flash	Continuity
3 – 14	Constant	40.6 Ω
4 – Ground	Light control switch HEAD	Continuity
4 – Ground	Light control switch OFF or TAIL	No continuity
9 – Ground	Constant	Continuity
12 – Ground	Headlight dimmer switch Low or High beam	No continuity
12 – Ground	Headlight dimmer switch Flash	Continuity
13 – Ground	Light control switch OFF	No continuity
13 – Ground	Light control switch HEAD or TAIL	Continuity
5 – Ground	Ignition switch LOCK or ACC	No voltage
5 – Ground	Ignition switch ON	Battery voltage
10 – Ground	Constant	Battery voltage
11 – Ground	Constant	Battery voltage

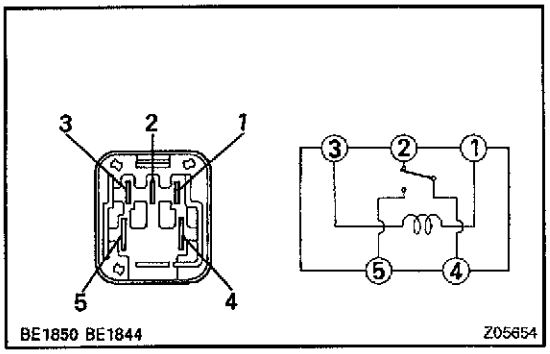
If circuit is as specified, try to replace the relay with a new one.
If circuit is not as specified, inspect the circuits connected to other parts.



(b) Connect the connector to the relay and inspect the connector.

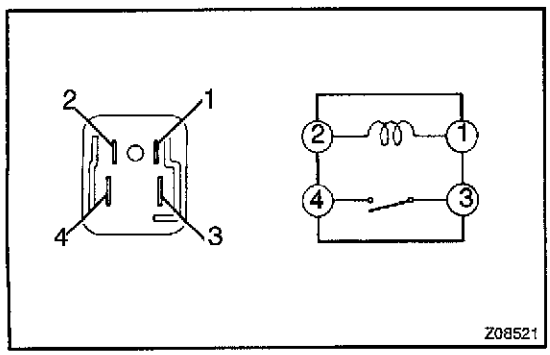
Tester connection Terminal No.	Condition	Specified condition
1 – Ground	Ignition switch and light control switch TAIL	Battery voltage
3 – 14	Light control switch HEAD	Battery voltage
5 – Ground	Ignition switch ON	Battery voltage
7 – Ground	Light control switch HEAD	Battery voltage
9 – Ground	Light control switch HEAD and headlight dimmer switch Flash	Battery voltage

If circuit is as specified, try to replace the relay with a new one.
If circuit is not as specified, inspect the circuits connected to other parts.



14. w/ Dim–Dip Light System: INSPECT DIM–DIP RELAY No.2 CONTINUITY

Condition	Tester connection	Specified condition
Constant	1 – 3, 2 – 4	Continuity
Apply B + between terminal 1 and 3.	4 – 5	Continuity



15. w/ Dim–Dip Light System: INSPECT DIM–DIP RELAY No.3 CONTINUITY

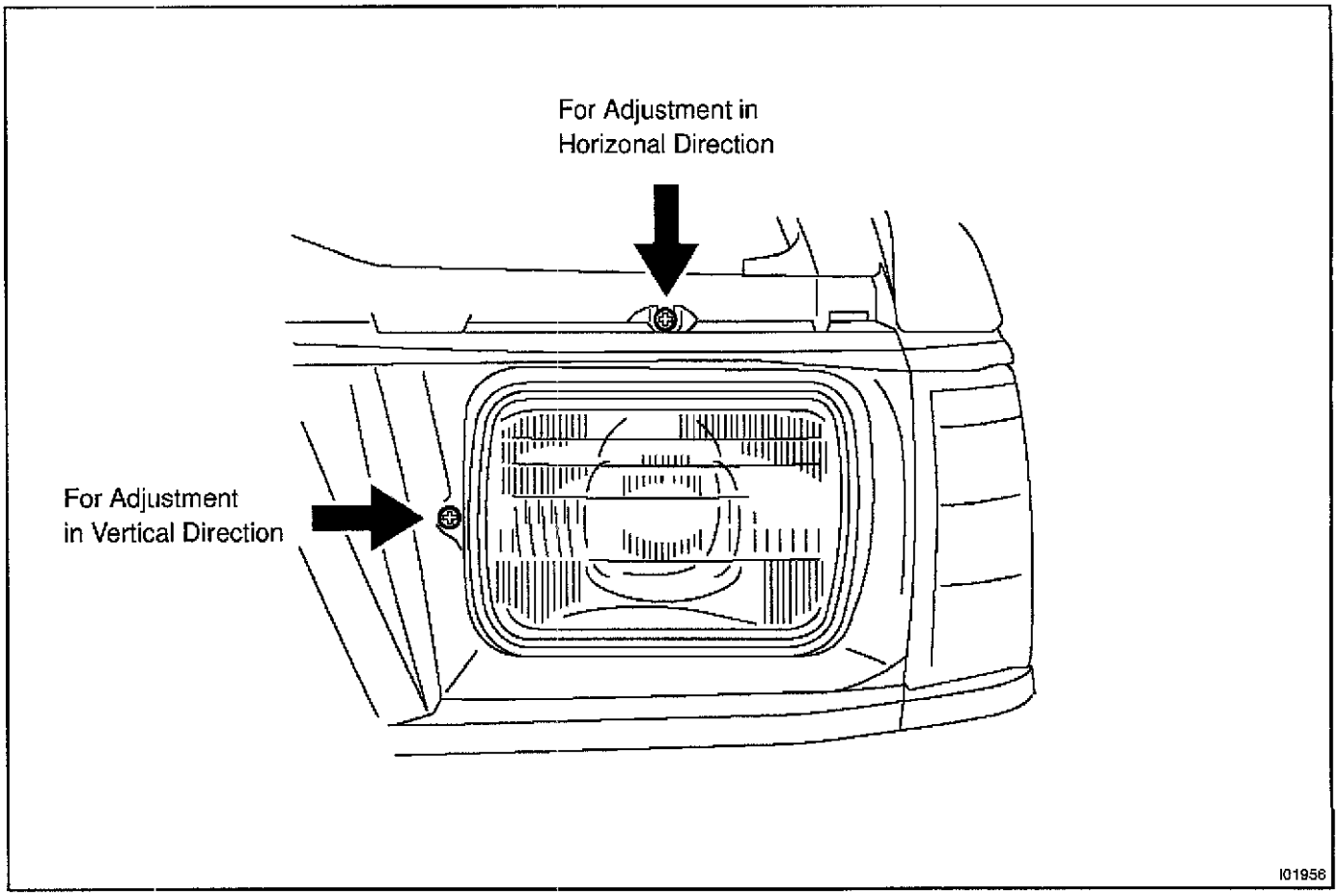
Condition	Tester connection	Specified condition
Constant	1 – 2	Continuity
Apply B + between terminals 1 and 2	3 – 4	Continuity

If continuity is not as specified, replace the relay.

BE06U-01

ADJUSTMENT

1. ADJUST HEADLIGHT AIMING



2. ADJUST SPIRAL CABLE (See page SR–25)