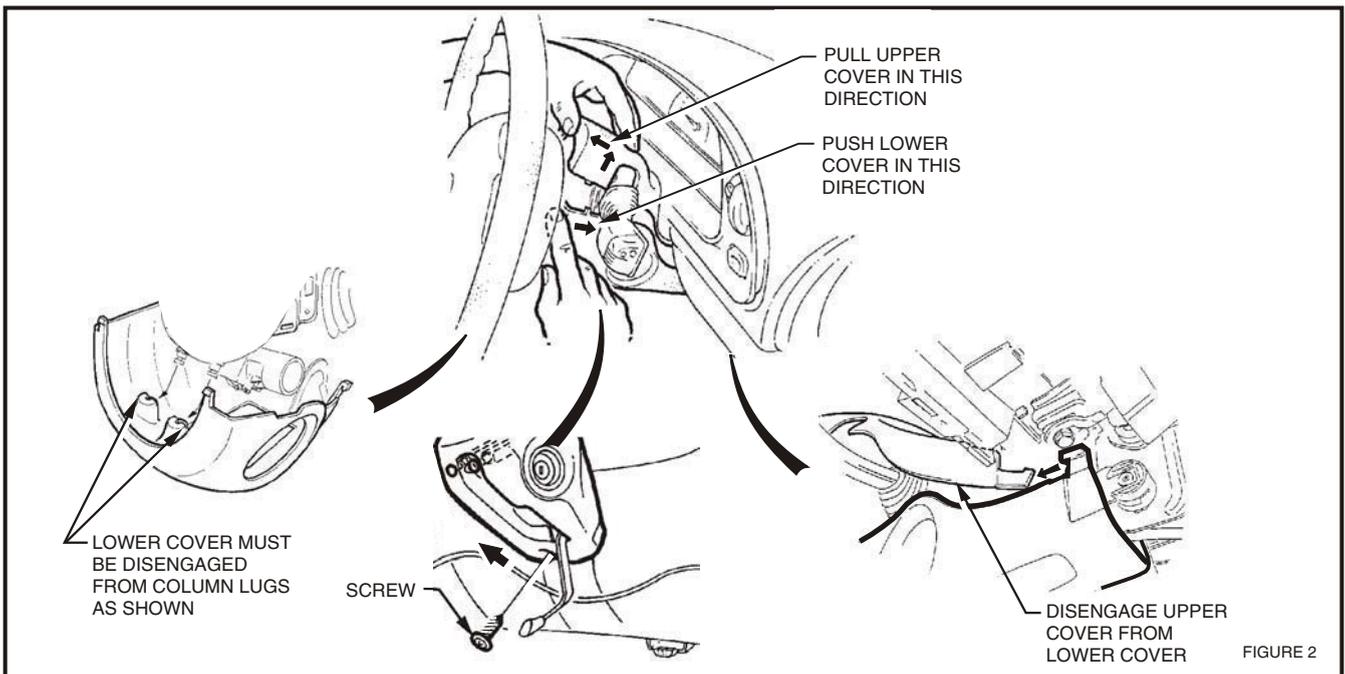
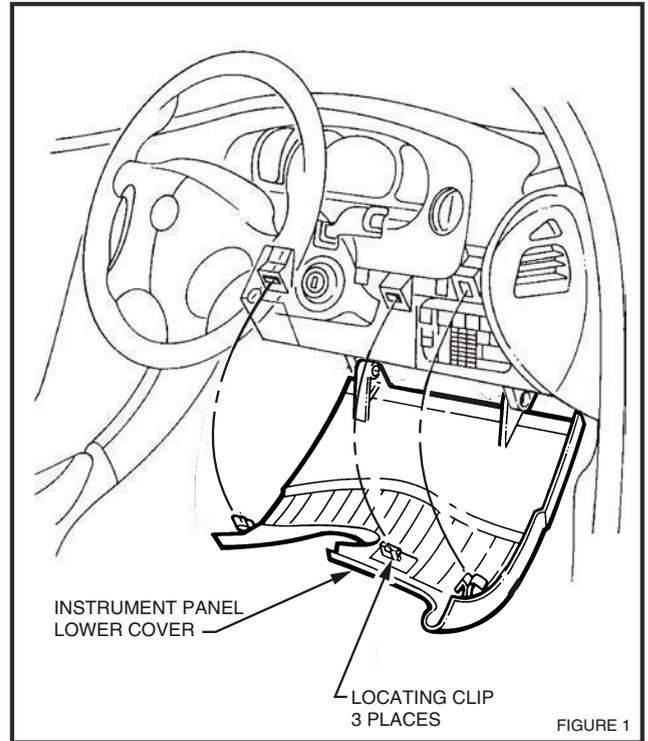




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**FITTING INSTRUCTIONS FOR
 VT CRUISE CONTROL PACKAGE, V6 & SUPERCHARGED V6
 Part No. 92075557**

1. Disconnect vehicle battery
2. Adjust steering wheel to upper most position. Grasp right hand side of lower cover panel firmly and pull towards rear of vehicle. Repeat procedure for left hand side of cover so cover hangs open, refer fig. 1.
3. Adjust steering wheel to lower most position.
4. Remove single screw from lower steering column cover, refer fig. 2.
5. Remove upper and lower steering column covers, refer fig. 2.



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IMPORTANT: Check if stepper motor connector is clipped to underside of strut tower former, as part of the original wiring harness.

If connector exists, go to step 56.

If connector does not exist, continue installation as described below.

Use Tech 2 to determine if two globes are already fitted to cruise control lamps in instrument cluster.

If globes are already fitted, go to step 56.

If globes are not fitted but stepper motor connector does exist, go to step 23.

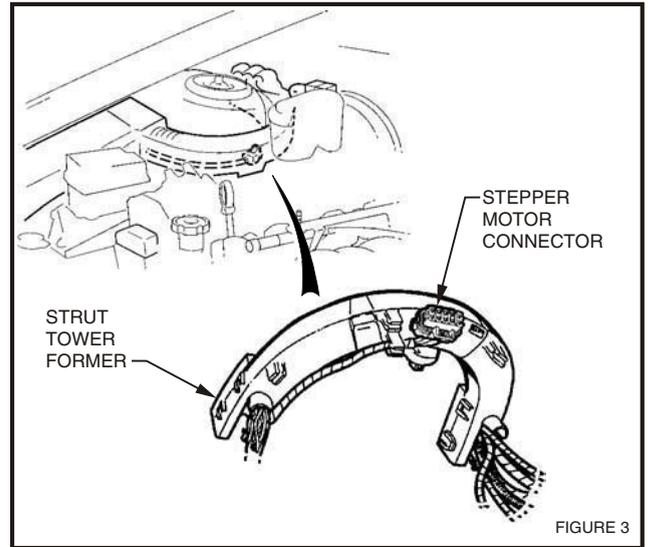


FIGURE 3

6. Unclip and remove engine compartment relay box cover, refer fig 4.

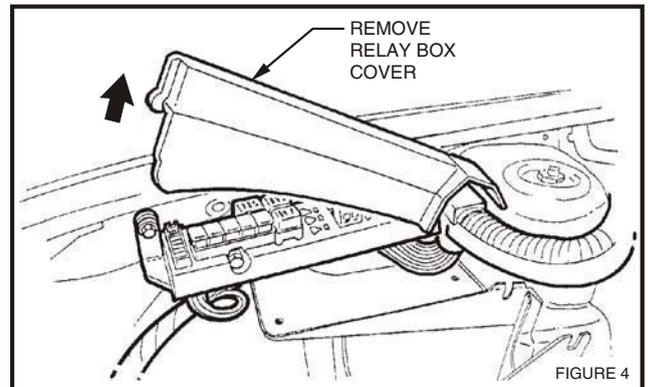


FIGURE 4

7. Disconnect 3 main wiring harness connectors at RH strut tower and unclip connectors from former, refer fig 5.

8. Disconnect former from strut tower, refer fig.5.

9. Swing former inboard to access area directly behind strut tower, where bonnet release cable comes through firewall.

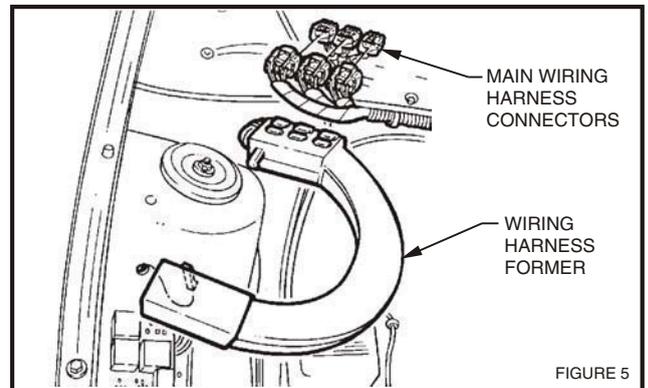


FIGURE 5

10. Remove 3 screws securing instrument end cap and remove end cap, refer fig. 6.

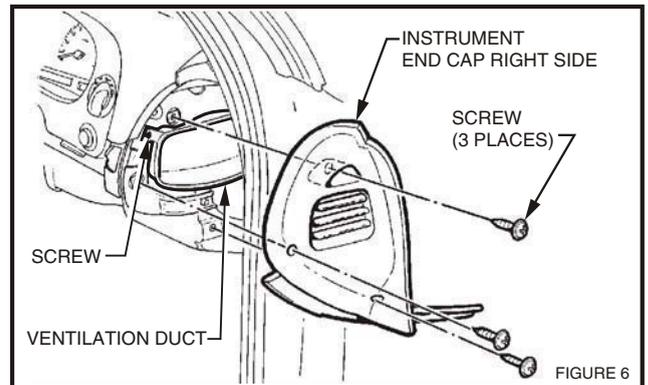


FIGURE 6

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- 11. Remove RH rocker panel cover insert, refer fig. 7.
- 12. Remove front three TORX head screws and loosen rear most screw with TORX bit T25, refer fig. 8.

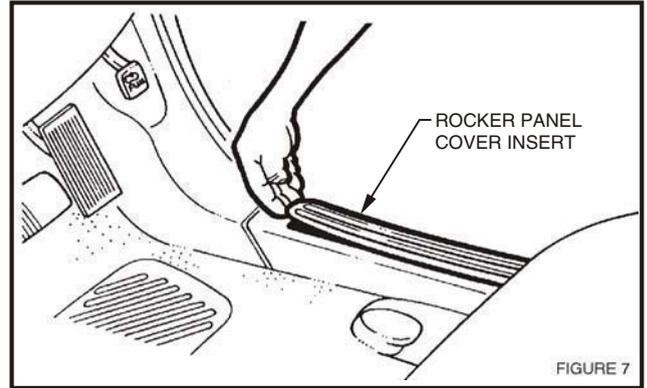


FIGURE 7

- 13. Lift front of RH inner rocker panel cover and remove screw securing the shroud lower trim assembly to the rocker panel, refer fig. 8.

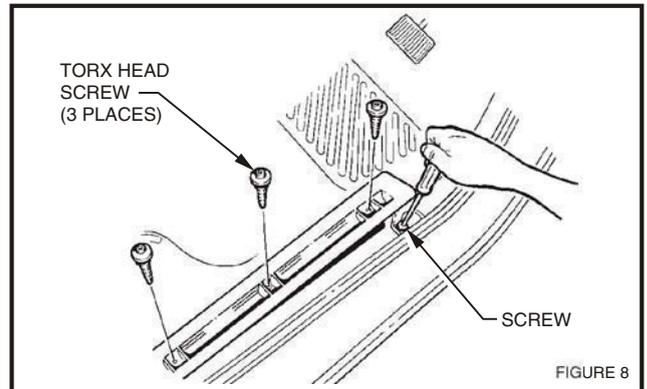


FIGURE 8

- 14. Remove the upper retaining screw, from behind hood release lever, and remove shroud lower trim assembly, refer fig.9.

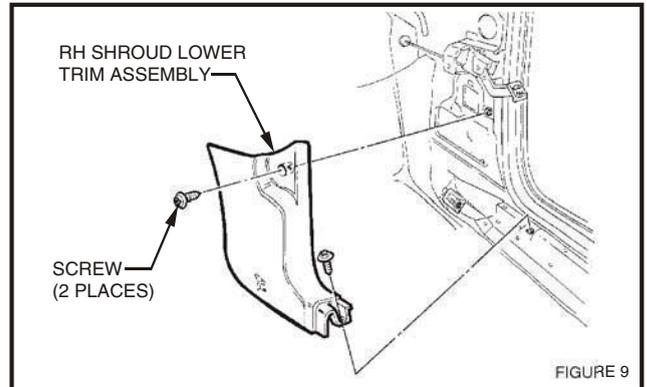


FIGURE 9

- 15. Remove 2 screws securing diagnostics connector to instrument panel lower trim and allow connector to hang, refer fig. 10.

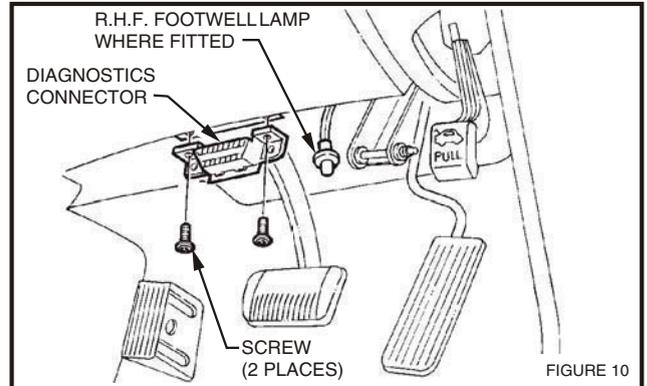


FIGURE 10

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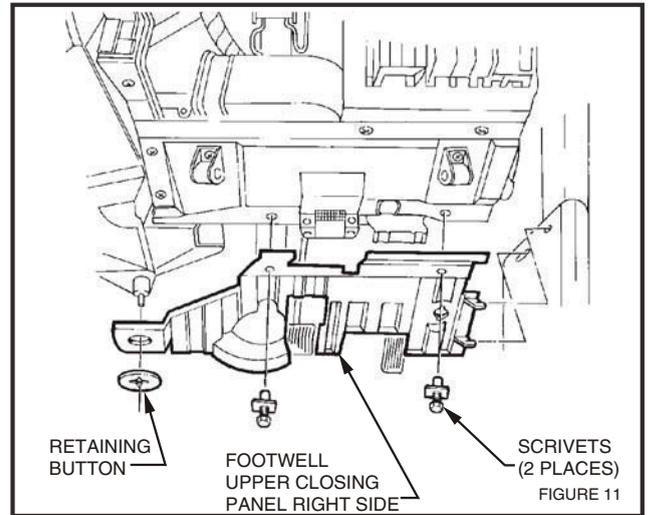


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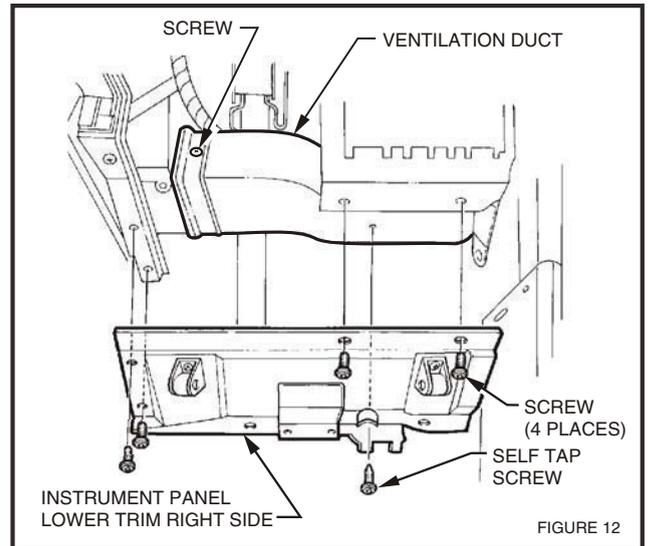
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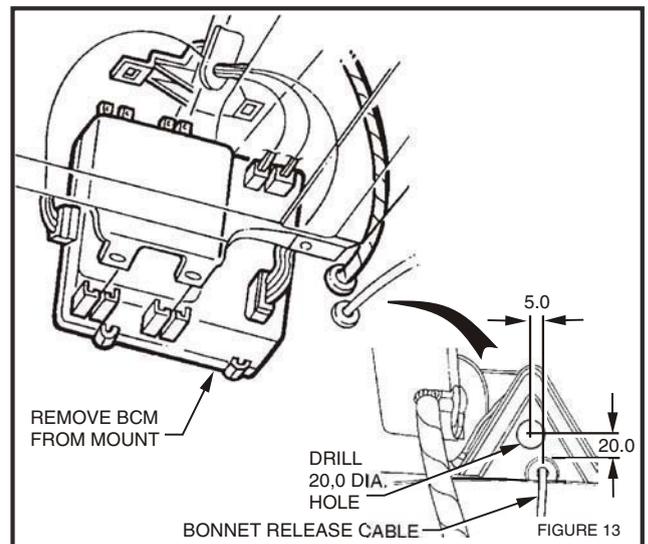
- 16. Remove 2 scrivenets and on vehicles with automatic transmission, prise off retaining button and detach the footwell upper closing panel, refer fig. 11.
- 17. Where fitted, remove front footwell lamp.



- 18. Remove 5 screws securing instrument panel lower trim RHS and remove panel, refer fig 12.
- 19. Remove 2 screws securing ventilation ducts, refer figs. 6 and 12, and remove ducts.



- 20. Detach BCM from mount, disconnect wiring connectors and remove BCM, refer fig. 13.
- 21. Mark and centre punch hole location on firewall, above bonnet release cable, as per fig. 13. Prior to drilling, cover carpet to protect from metal filings. Drill 20mm dia. hole with hole saw, deburr and coat bare metal with anti-corrosion primer.
- 22. Insert cruise control patch harness (Part No.92057293) through drilled hole, from engine compartment side and seat grommet in hole.



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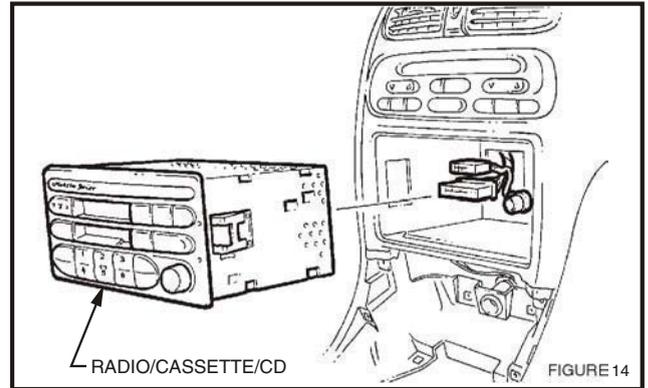


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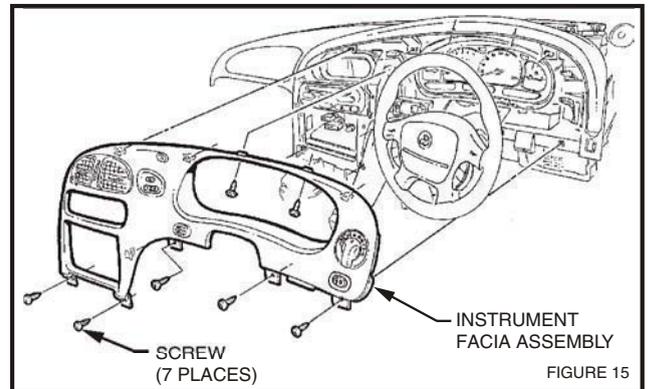
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- 23. Remove radio/cassette/CD from instrument panel.
Disconnect antenna and if fitted, diversity antenna, refer fig. 14.
- 24. Remove rubber cap from transmission console and remove two screws from transmission console. Prise out transmission console, disconnecting power windows harness if required.

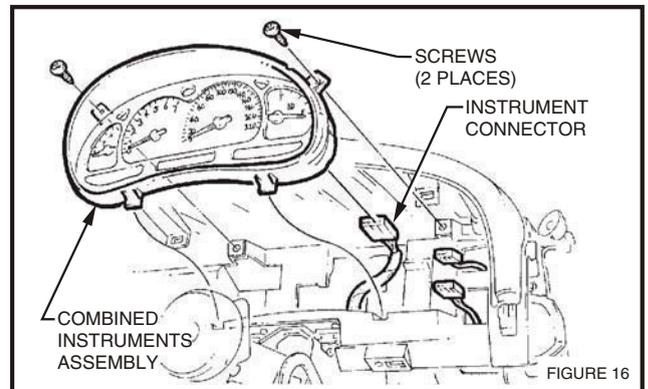


- 25. Remove the seven screws retaining the instrument facia assembly, and pull facia from retaining clips, refer fig. 15.

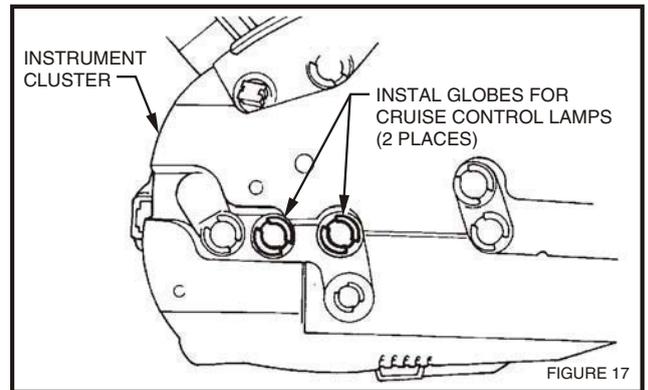
NOTE: Disconnect the headlamp switch connector, fog lamp switch connector (if fitted), trip computer switch connector (if fitted), hazard switch connector from main wiring harness, before removing instrument facia assembly.



- 26. Remove 2 screws securing the instrument cluster, and disconnect instrument cluster connector, remove instrument cluster, refer fig. 16.



- 27. Instal 2 globes for cruise control lamps to rear of instrument cluster, refer fig. 17.





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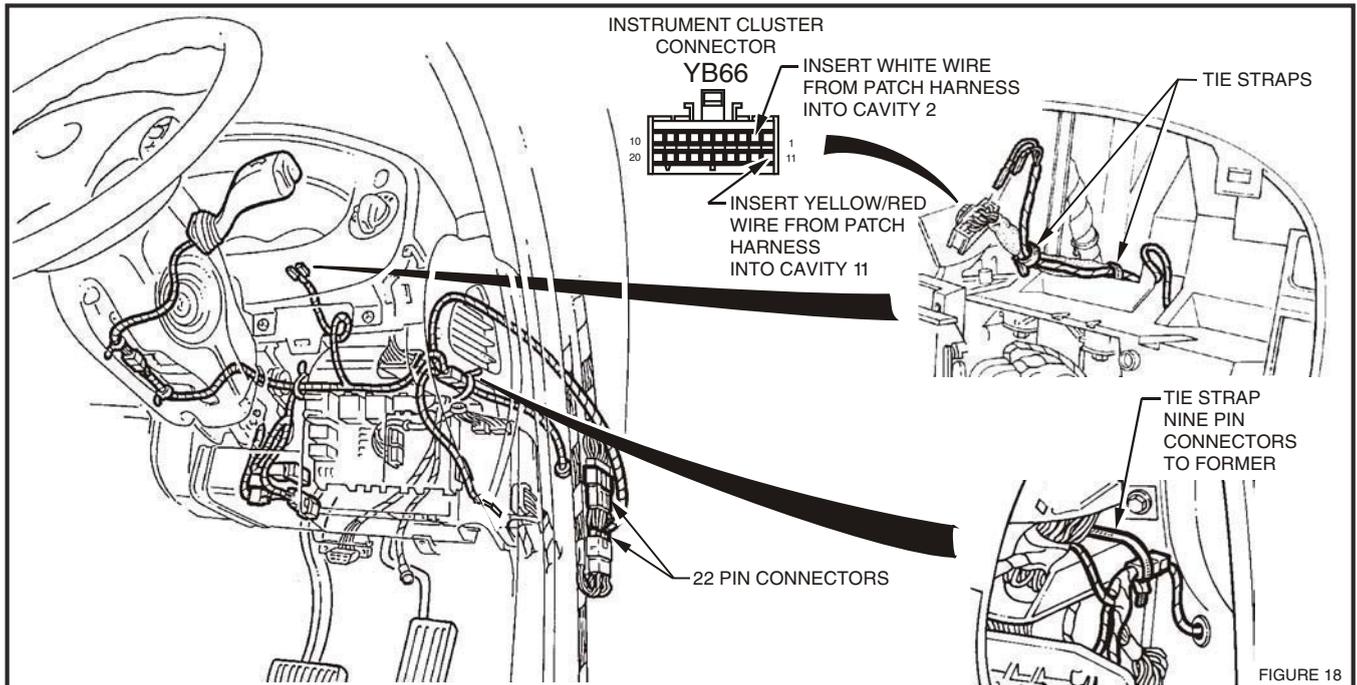


FIGURE 18

28. Connect instrument patch harness (Part No. 92057294) to engine compartment patch harness (Part No. 92057293) with nine pin connectors, refer fig. 18.

29. Tie strap harness to wiring former at 9 pin connectors, refer fig. 18.

30. Route harness up through dash frame work above fuse panel, refer fig. 18.

31. Route 22 pin connector and single grey wire back through dash framework.

32. Disconnect existing 22 pin connectors and bridge patch harness 22 pin connectors between, refer fig. 18.

33. Insert grey wire into BCM connector YB164 terminal cavity 8 (circuit 83), refer fig. 19.

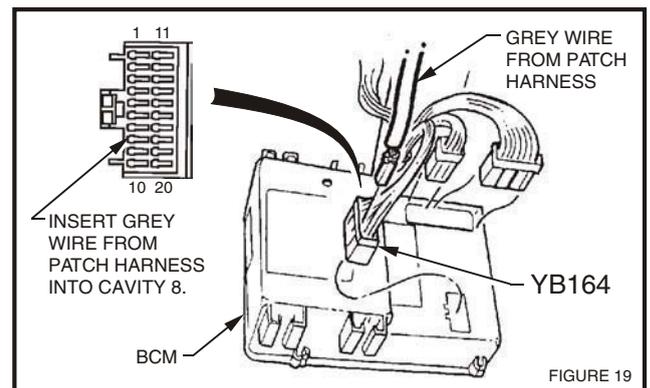


FIGURE 19

NOTE: Terminal will click when fully seated in connector housing.

34. Route white and yellow/red wires over steering column bracket, back through hole in panel and alongside harness to instrument cluster connector.

35. Insert white wire into connector YB66 terminal cavity 2, refer fig. 18.

36. Insert yellow/red wire into connector YB66 terminal cavity 11, refer fig. 18.

37. Fasten patch harness to instrument cluster harness using two tie straps.

38. Reconnect connector to instrument cluster and reinstall instrument cluster with 2 screws.

39. Route remaining harness branch between fuse panel frame and fuse panel wiring, refer fig. 18.

40. Route harness on top of brake switch, above steering column.

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41. Disconnect brake switch connector from brake switch, refer fig. 20.
42. Connect patch harness brake switch connector to brake switch, refer fig. 20.
43. Insert blade terminals into vehicle brake switch connector (ensure correct wire colors are matched).
44. Insulate blade terminals into connector housing with electrical tape, refer fig. 20.
45. Fit clip from cruise control package to brake pedal and adjust.
46. Fit cruise control release switch and attach connector from patch harness, refer fig. 20.
47. Route patch harness up alongside steering column wiring harness to stalk switches, refer fig. 21.
48. Disconnect RH indicator switch connector, remove indicator stalk and replace with cruise control/indicator stalk from cruise control package, refer fig. 21.
49. Connect patch harness connector to stalk switch, refer fig. 21.
50. Secure patch harness from fuse panel to stalk switch with supplied tie straps, refer fig. 22.

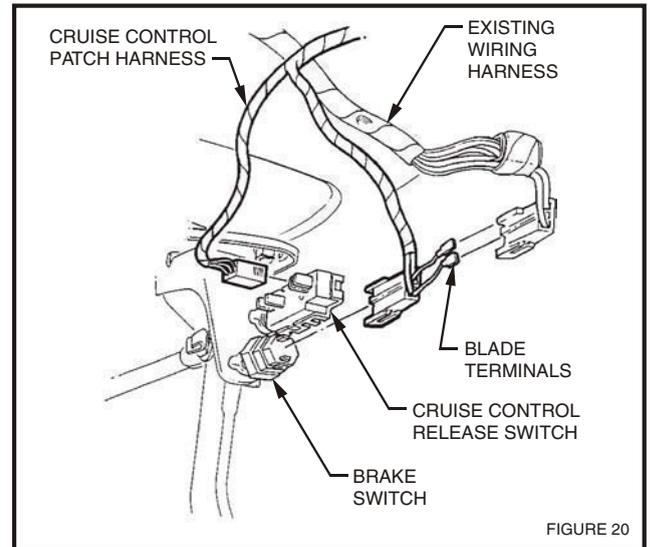


FIGURE 20

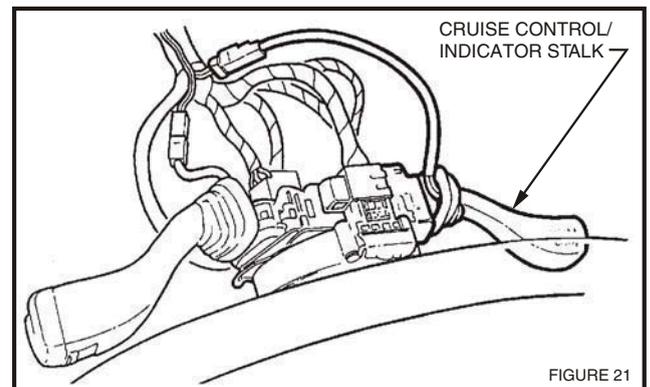


FIGURE 21

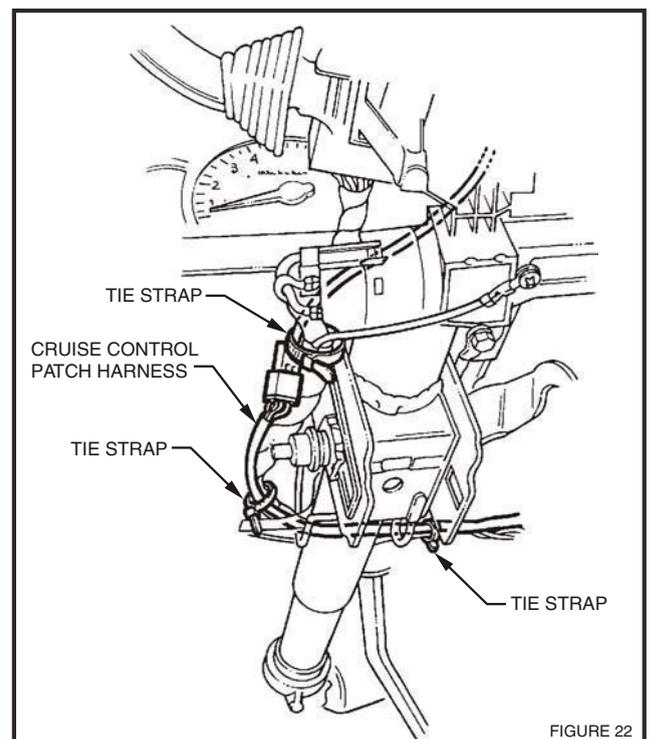


FIGURE 22

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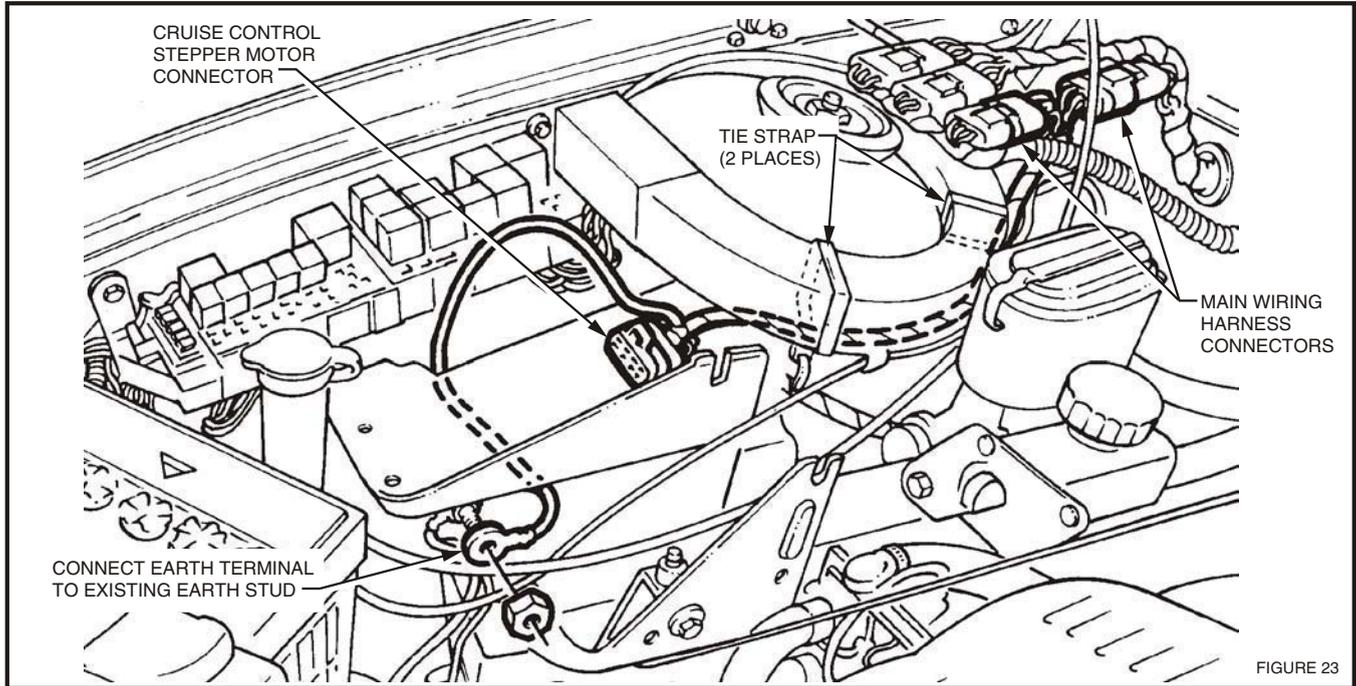


FIGURE 23

51. Bridge 2 patch harness connectors between the most inboard of the 3 engine and main wiring harness connector pairs on former end cap, refer fig. 23.
52. Cover main wiring harness/patch harness connector with self adhesive foam (supplied in package).
53. Reinstall 3 connector pairs to former end cap.
54. Route foam covered section of harness behind former and route stepper motor connector lead beneath former to stepper motor mounting location, refer fig. 23.
55. Route earth lead between stepper motor bracket and inner fender, to existing body earth stud. Attach cruise control earth terminal to body earth stud, refer fig. 23.

IMPORTANT: Steps 56 to 59 apply only to vehicles which have cruise control wiring incorporated in the existing vehicle wiring as determined by the presence of an existing stepper motor connector, refer fig. 3.

56. Fit clip from cruise control package to mounting hole of the brake pedal support, refer fig 24.
57. Untape connector from wiring harness and connect to cruise control release switch.

58. Holding the brake pedal in it's depressed position, install switch into tubular clip. Push switch forward until the switch body locates in the clip.

NOTE: Audible 'clicks' will be heard as the threaded portion of switch assembly is pushed into the tubular clip toward the brake pedal. Pull brake pedal fully against stop until audible 'click' sounds can no longer be heard. (Switch assembly is pushed back out from the clip to provide correct switch position adjustment). Depress the brake pedal again and repeat above procedure to ensure that the switch adjustment is correct (no 'click' sounds).

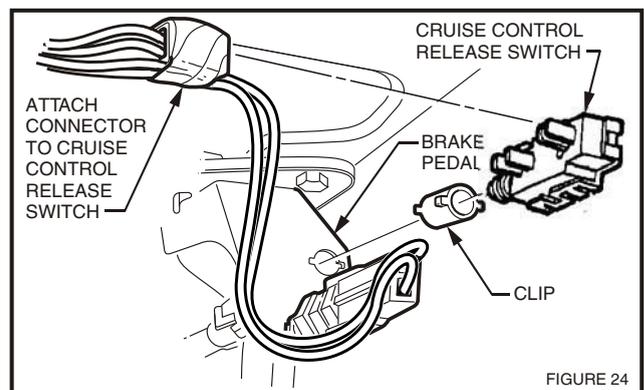


FIGURE 24

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59. Disconnect RH indicator switch connector, remove indicator stalk and replace with cruise control/indicator stalk from cruise control package, refer Fig 25.

NOTE: Step 60 onwards applies to all vehicles.

60. Install stepper motor to mounting bracket using 3 screws supplied and tighten (2 - 5Nm), refer fig. 26

61. Attach connector from patch harness or existing harness to stepper motor, refer fig.26.

62. Attach cable to rear of stepper motor, route cable below former and behind brake booster then attach to engine harness retention clips along edge of firewall (5 places), refer fig. 27.

63. Route cable in smooth arc through throttle/cruise control cable clip on LH fender (if fitted) then towards throttle cable bracket, refer fig. 27, view A.

NOTE: If throttle/cruise control cable bracket is not fitted, remove foremost TORX head screw from LH bonnet strut mounting bracket and fit clip supplied in package, refer fig.27, view B. Torque screw 10-14 Nm.

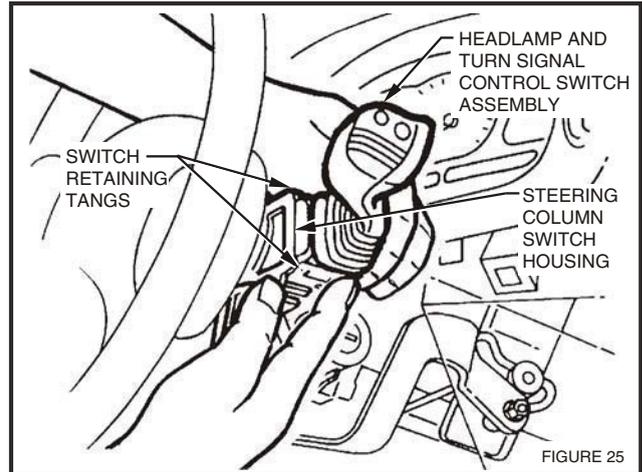


FIGURE 25

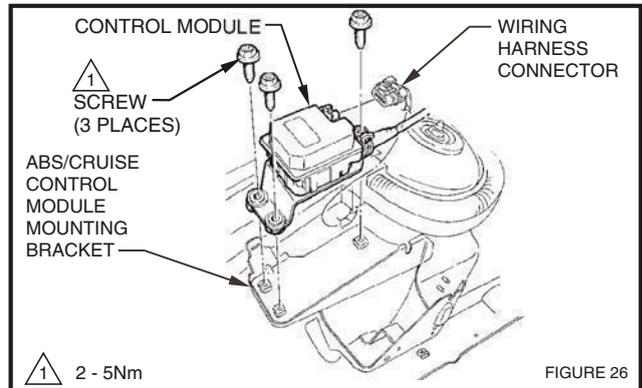


FIGURE 26

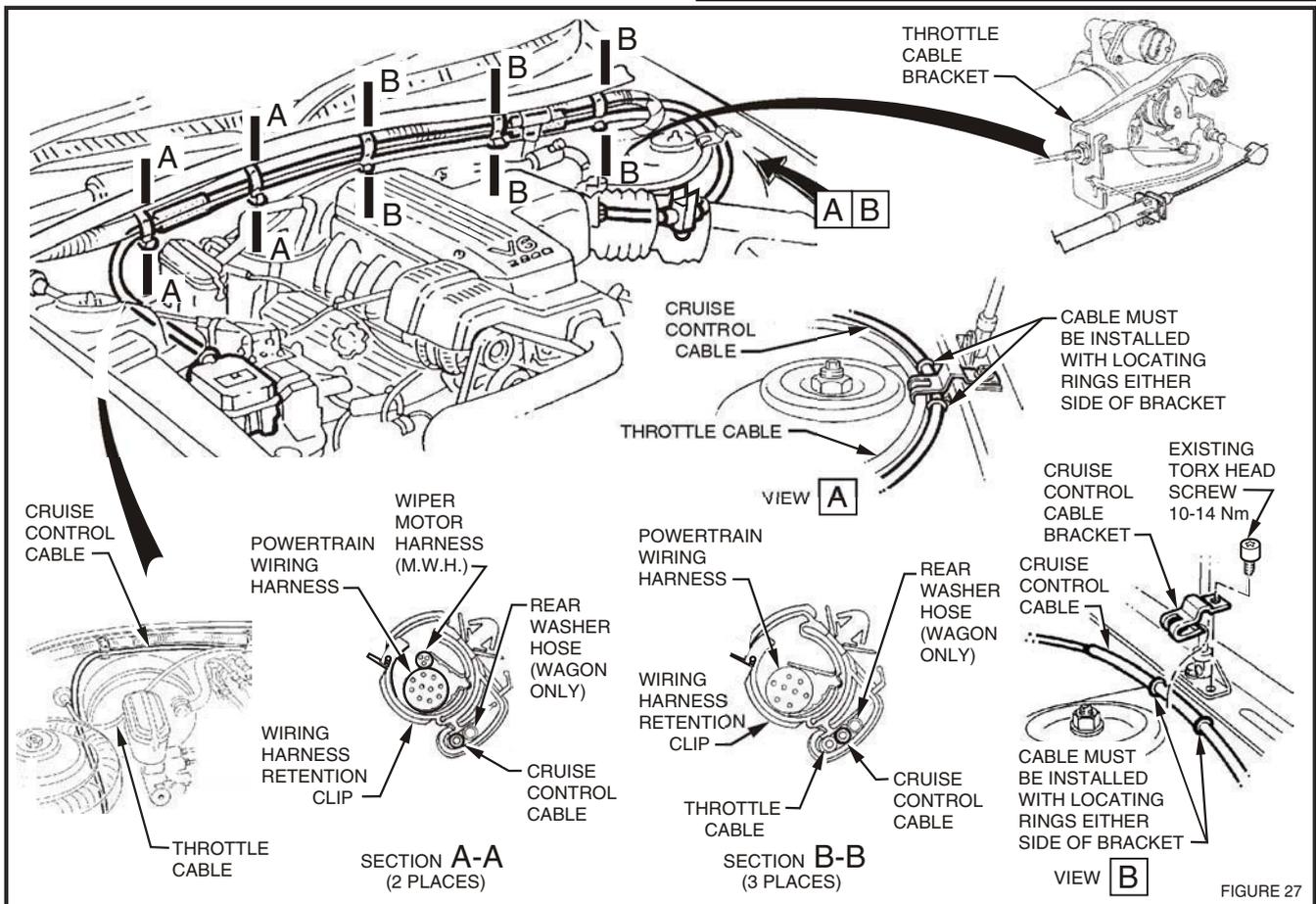


FIGURE 27

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64. Unlock cable adjustment locking lever, refer fig. 28.

65. Connect inner cable end to throttle stud then slide outer cable into throttle bracket, refer fig. 27.

66. Ensure throttle is in closed position, adjust cruise control cable, using adjuster, to achieve minimum slack. Flip adjustment lever to lock cable in position.

67. Refit steering wheel covers (1 screw).

68. Refit instrument facia (9 screws).

69. Refit 2 ventilation ducts (1 screw each duct).

70. Refit diagnostics connector (2 screws).

71. Refit fuse panel lower metal cover (4 screws).

72. Refit BCM.

73. Refit instrument end cap (3 screws).

74. Refit RHS inner rocker panel cover (4 TORX head screws).

75. Refit RHS rocker panel cover insert, (snap fit).

76. Refit shroud lower trim assembly (2 screws), be sure aligning pin at lower front of trim engages in retainer on sheet metal.

77. Close RHS lower cover panel.

NOTE: After installation, check operation of cruise control, (including lamps in instrument panel) in accordance with VT Series Service Manual, Vol. 6, Section 12C, Instruments, wiper/washers & Horn. Any problems may be corrected using this section of the Service Manual.

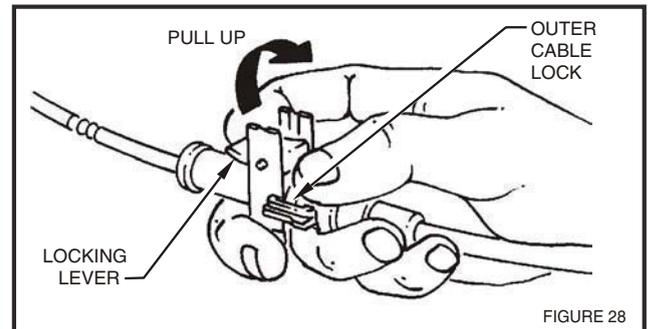


FIGURE 28

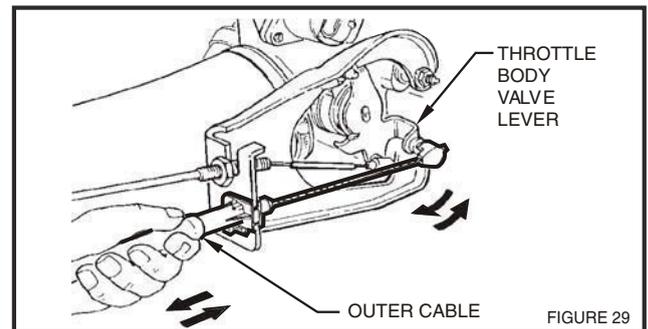


FIGURE 29

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FITTING INSTRUCTIONS VT CRUISE CONTROL PACKAGE (92075557), V6 & SUPERCHARGED V6 PARTS LIST

PART NUMBER	DESCRIPTION	QUANTITY
25315231 or 25316804	STEPPER MOTOR & CABLE ASSEMBLY	1
92056341	BRACKET - CRUISE CONTROL CABLE	1
SP4147	BOLT - STEPPER MOTOR TO WHEELHOUSE	3
92057293	PATCH HARNESS - ENGINE BAY	1
92057294	PATCH HARNESS - CABIN	1
92054763	SWITCH - TURN SIGNAL/CRUISE	1
9794682	SWITCH - BRAKE	1
1361699	CLIP - C/CONTROL BRAKE SWITCH MOUNT	1
7436769	STRAP - 220MM	5
SP3516	STRAP - 180MM	6
92140551	LAMP ASSEMBLY - INSTRUMENT	2
FD844	FITTING INSTRUCTIONS BOOKLET	1
FD796	WARRANTY CARD	1