

# Technical Service Bulletin



**SUBJECT:**  
Front Windshield Wipers  
Self-Activate While Driving  
Or Will Not Turn Off

**NO:** 08-31-98 Rev. A  
**GROUP:** Electrical  
**DATE:** Jul. 24, 1998

*This bulletin is supplied as technical information only and is not an authorization for repair. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without written permission of Chrysler Corporation.*

**NOTE: THIS BULLETIN SUPERSEDES TECHNICAL SERVICE BULLETIN 08-31-98, DATED JUNE 26, 1998, WHICH SHOULD BE REMOVED FROM YOUR FILES. THE REVISIONS INCLUDE, REVISED SYMPTOM/CONDITION ONE, DIAGNOSIS AND REPAIR PROCEDURES FOR SYMPTOM TWO AND THREE, AND PARTS REQUIRED. REVISIONS ARE HIGHLIGHTED WITH **\*\*ASTERISKS\*\***.**

## **MODELS:**

1996-1997 (NS) Town & Country/Caravan/Voyager  
1996-1997 (GS) Chrysler Voyager (International Markets)

## **SYMPTOM/CONDITION:**

1. Windshield wipers will turn on while the windshield wiper switch is in the "OFF" position for one or more wipes **\*\*with the ignition "ON",\*\*** or when the turn signal and/or headlamp beam select is actuated.
2. Windshield wipers will not turn off with the ignition switch "ON" or "OFF" and the 41TE transaxle may go into limp-in mode when the windshield wipers are turned "ON".
3. Windshield wipers stop immediately (instead of parking fully down) when the switch is turned "OFF" or continue to wipe for approximately 10 seconds after being turned "OFF" and then stop wherever they are (instead of parking fully down) either by using the windshield wiper switch or the ignition switch.

**NOTE: IF THE WIPE OCCURS AT VEHICLE START UP ONLY, MAKE SURE THE IGNITION OFF DRAW (IOD) FUSE IS FULLY SEATED.**

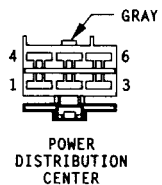
## **DIAGNOSIS:**

### SYMPTOM ONE

1. If the vehicle operator describes Symptom/Condition One, perform the Repair Procedure for Symptom One.

**SYMPTOM TWO**

1. Inspect the ground eyelets on the engine block near the transmission dipstick tube. There should be no looseness.
2. **\*\*1996 MODEL VEHICLES:**  
Check the ground wire from the eyelet to CAV #5 of the gray E48 connector on the bottom of the Power Distribution Center (PDC) for continuity.



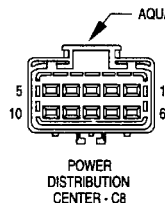
POWER  
DISTRIBUTION  
CENTER

CAV	CIRCUIT	FUNCTION
1	-	-
2	-	-
3	T40 12BR	STARTER MOTOR RELAY OUTPUT
4	-	-
5	Z1 18BK	GROUND
6	A16 12GY	FUSED B(+)

**1996**

**1997 MODEL VEHICLES:**

Check the ground wire from the eyelet to CAV #4 of the aqua C8 connector on the bottom of the Power Distribution Center (PDC) for continuity.



POWER  
DISTRIBUTION  
CENTER - C8

CAV	CIRCUIT	FUNCTION
1	-	-
2	T16 18RD	TRANSMISSION CONTROL RELAY OUTPUT
3	T15 18LG	TRANSMISSION CONTROL RELAY CONTROL
4	Z16 18BK	GROUND
5	-	-
6	-	-
7	F45 18YL/RD	FUSED B(+)
8	-	-
9	-	-
10	A5 18RD/DB	FUSED B(+)

**1997**

3. **1996 MODEL VEHICLES:**  
Check for continuity from CAV #5 of the gray E48 connector on the bottom of the PDC to the center terminal of the windshield wiper "ON" relay (THIS IS AN EXTREMELY LOW PROBABILITY FAILURE MODE, be sure to reinstall the PDC cover properly).

**1997 MODEL VEHICLES:**

Check for continuity from CAV #4 of the aqua C8 connector on the bottom of the PDC to the center terminal of the windshield wiper "ON" relay (THIS IS AN EXTREMELY LOW PROBABILITY FAILURE MODE, be sure to reinstall the PDC cover properly).\*\*

4. If a problem is found in steps 1 thru 3, perform the Repair Procedure for Symptom Two.

SYMPTOM THREE

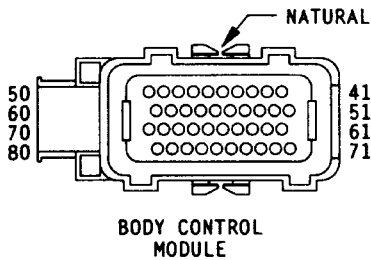
1. With a DRB III® (Scan Tool), monitor the wiper park switch input to the Body Control Module (BCM) when the windshield wipers are on. If the wiper park switch input status does not change as the wipers are moving, the park switch circuit is faulty.
  
2. **\*\*1996 MODEL VEHICLES:**  
 Check for continuity between cavity #41 of the B58 BCM connector and cavity #4 of the wiper module B31 connector, refer to the 1996 illustration on the next page.  
  
**1997 MODEL VEHICLES:**  
 Check for continuity between cavity #41 of the C1 BCM connector and cavity #2 of the wiper module connector, refer to the 1997 illustration on the next page.
  
3. **1996 MODEL VEHICLES:**  
 Check for continuity between cavity #7 of the B31 wiper module connector and ground.  
  
**1997 MODEL VEHICLES:**  
 Check for continuity between cavity #4 of the wiper module connector and ground.\*\*
  
4. If a problem is found in steps 1 thru 3, perform the Repair Procedure for Symptom Three.

**PARTS REQUIRED:**

AR (1)	05012382AA	Switch, Multi-function
AR (1)	**04707730	PDC, 1996 With 41TE Transaxle
AR (1)	04868131	PDC, 1996 With 31TH Transaxle and Antilock Brake System (ABS)
AR (1)	04868132	PDC, 1996 With 31TH Transaxle and Without ABS
AR (1)	04707892AB	PDC, 1997 With 41TE Transaxle
AR (1)	04707893AB	PDC, 1997 With 31TH Transaxle and ABS
AR (1)	04707891AB	PDC, 1996 With 31TH Transaxle and Without ABS**
AR (1)	04673013AA	Motor, Wiper

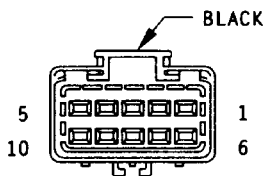
**B58**

CAV	CIRCUIT	FUNCTION
41	V7 20DG/WT	FRONT WIPER PARK SWITCH SENSE
42	-	-
43	G70 20BR/TN	HOOD AJAR SWITCH SENSE
44	P98 20WT/RD	LIFTGATE MUX SIGNAL
45	P97 20WT/DG	LEFT FRONT DOOR MUX SIGNAL
46	G4 18DB	FUEL LEVEL SENSOR SIGNAL
47	G77 20TN/OR	LEFT REAR DOOR AJAR SWITCH SENSE
48	G74 18TN/RD	RIGHT FRONT DOOR AJAR SWITCH SENSE
49	V13 18BR/LG	REAR WIPER MOTOR DRIVER
50	V20 20BK/WT	REAR WASHER PUMP MOTOR DRIVER
51	-	-
52	G6 20GY	OIL PRESSURE SWITCH SENSE
53	-	-
54	-	-
55	P96 20WT/LG	RIGHT FRONT DOOR MUX SIGNAL
56	-	-
57	-	-
58	G29 20BK/TN	LOW WASHER FLUID SIGNAL
59	G78 18TN/BK	LIFTGATE AJAR SWITCH SENSE
60	-	-
61	-	-
62	-	-
63	-	-
64	-	-
65	-	-
66	-	-
67	-	-
68	-	-
69	-	-
70	-	-
71	-	-
72	-	-
73	V14 18RD/VT	WIPER ON RELAY CONTROL
74	-	-
75	-	-
76	-	-
77	G76 20TN/YL	RIGHT REAR DOOR AJAR SWITCH SENSE
78	G10 18LG/RD	SEAT BELT SWITCH SENSE
79	G75 18TN	LEFT FRONT DOOR AJAR SWITCH SENSE
80	M20 20BR	READING LAMP GROUND



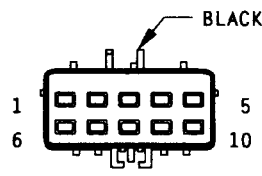
**B31**

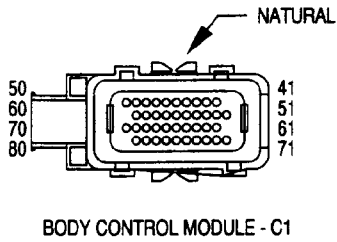
CAV	CIRCUIT
1	V3 12BR/WT
2	-
3	-
4	V7 20DG/WT
5	V4 12RD/YL
6	-
7	Z1 14BK
8	F41 20PK/VT
9	M100 20PK/BK
10	-



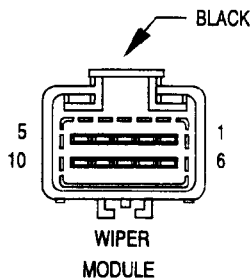
**B31 (MODULE PIGTAIL)**

CAV	CIRCUIT
1	V3 12BR/WT
2	-
3	-
4	V7 20DG/WT
5	V4 12RD/YL
6	-
7	Z1 14BK
8	F41 20PK/VT
9	M100 20PK/BK
10	-





CAV	CIRCUIT	FUNCTION
41	V7 20DG/WT	FRONT WIPER PARK SWITCH SENSE
42	-	-
43	G70 18BR/TN	HOOD AJAR SWITCH SENSE
44	P98 20WT/RD	LIFTGATE MUX SIGNAL
45	P97 20WT/DG	LEFT FRONT DOOR MUX SIGNAL
46	G4 18DB	FUEL LEVEL SENSOR SIGNAL
47	G77 18TN/OR	LEFT REAR DOOR AJAR SWITCH SENSE
48	G74 18TN/RD	RIGHT FRONT DOOR AJAR SWITCH SENSE
49	V13 18BR/LG	REAR WIPER MOTOR DRIVER
50	V20 20BK/WT	REAR WASHER PUMP MOTOR DRIVER
51	L24 20WT/LG	AUTO HEADLAMP SWITCH SENSOR
52	G6 20GY	OIL PRESSURE SWITCH SENSE
53	-	-
54	-	-
55	P96 20WT/LG	RIGHT FRONT DOOR MUX SIGNAL
56	-	-
57	-	-
58	G29 20BK/TN	LOW WASHER FLUID SIGNAL
59	G78 18TN/BK	LIFTGATE AJAR SWITCH SENSE
60	-	-
61	-	-
62	-	-
63	-	-
64	-	-
65	-	-
66	-	-
67	-	-
68	-	-
69	-	-
70	-	-
71	-	-
72	-	-
73	V14 18RD/VT	WIPER ON RELAY CONTROL
74	-	-
75	-	-
76	L193 20OR/WT*	LOW BEAM RELAY DRIVER
77	G76 18TN/YL	RIGHT REAR DOOR AJAR SWITCH SENSE
78	G10 18LG/RD	SEAT BELT SWITCH SENSE
79	G75 18TN	LEFT FRONT DOOR AJAR SWITCH SENSE
80	M20 20BR	READING LAMP GROUND



CAV	CIRCUIT	FUNCTION
1	V3 12BR/WT	WIPER MOTOR HIGH SPEED CONTROL
2	V7 20DG/WT	WIPER PARK SWITCH SENSE
3	V4 12RD/YL	WIPER MOTOR LOW SPEED CONTROL
4	Z1 14BK	GROUND
5	-	-
6	-	-
7	-	-
8	-	-
9	-	-
10	-	-

**REPAIR PROCEDURE:**

This bulletin involves installing a revised multi-function switch and/or ground wire correction and/or a PDC and/or a wiper motor replacement.

**SYMPTOM ONE**

1. Remove the top and bottom steering column covers.
2. Remove the two multi-function switch attaching screws and save.
3. Pull/slide the multi-function switch out from the mounting housing and disconnect the wiring harness.
4. Connect the wiring harness to a new multi-function switch, p/n 05012382AA.
5. Position the new multi-function switch into the mounting housing and secure with the two screws previously removed in step 2.
6. Verify the multi-function switch has been installed properly by putting the switch lever into the left or right turn signal position and turning the steering wheel to ensure cancellation occurs.
7. Install the top and bottom steering column shrouds.

**SYMPTOM TWO**

1. Make sure the ground eyelets are placed properly on the stud and the nut holding the eyelets and the dipstick tube is tightened securely.
2. If there was no continuity between the ground wire eyelet wiring connector on the bottom of the PDC, locate the open in the circuit and repair it.
3. If there was no continuity between the PDC connector to the center terminal of the windshield wiper "ON" relay, replace the PDC. Be sure to install the PDC cover properly.

**SYMPTOM THREE**

1. If there is no continuity between the BCM connector and cavity the wiper module wiring connector as described in the Diagnosis, locate the open in the circuit and repair it.

- 2. If there is no continuity between cavity wiper module wiring connector and ground as described in the Diagnosis, locate the open circuit and repair it.
- 3. If there is continuity as described in the Diagnosis replace the wiper motor using the procedure outlined in the appropriate service manual.

**POLICY:** Reimbursable within the provisions of the warranty.

**TIME ALLOWANCE:**

Labor Operation No:

08-80-87-93	Replace Multi-function Switch .....	0.4 Hrs.
08-89-01-92	Replace PDC .....	0.4 Hrs.
08-52-80-91	Replace Wiper Motor .....	0.9 Hrs.

**FAILURE CODE:** P8 - New Part

Labor Operation No:

08-90-06-91	Tighten Nut For Ground Eyelets .....	0.2 Hrs.
-------------	--------------------------------------	----------

**FAILURE CODE:** 83 - Connection Loose