

**ABC123**

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2000 Chevrolet Camaro

**ARTICLE BEGINNING**

GENERAL INFORMATION  
A/C-Heater System Motorist Assurance Program  
Standards For Automotive Repair

All Makes and Models

**INTRODUCTION TO MOTORIST ASSURANCE PROGRAM (MAP)**

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## **MOTORIST ASSURANCE PROGRAM (MAP)**

### **OVERVIEW**

The Motorist Assurance Program is the consumer outreach effort of the Automotive Maintenance and Repair Association, Inc. (AMRA). Participation in the Motorist Assurance Program is drawn from retailers, suppliers, independent repair facilities, vehicle manufacturers and industry associations.

Our organization's mission is to strengthen the relationship between the consumer and the auto repair industry. We produce materials that give motorists the information and encouragement to

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take greater responsibility for their vehicles-through proper, manufacturer-recommended, maintenance. We encourage participating service and repair shops (including franchisees and dealers) to adopt (1) a Pledge of Assurance to their Customers and (2) the Motorist Assurance Program Standards of Service. All participating service providers have agreed to subscribe to this Pledge and to adhere to the promulgated Standards of Service demonstrating to their customers that they are serious about customer satisfaction.

These Standards of Service require that an inspection of the vehicle's (problem) system be made and the results communicated to the customer according to industry standards. Given that the industry did not have such standards, the Motorist Assurance Program successfully promulgated industry inspection communication standards in 1994-95 for the following systems: Exhaust, Brakes, ABS, Steering and Suspension, Engine Maintenance and Performance, HVAC, and Electrical Systems. Further, revisions to all of these inspection communication standards are continually republished. In addition to these, standards for Drive Train and Transmissions have recently been promulgated. Participating shops utilize these Uniform Inspection & Communication Standards as part of the inspection process and for communicating their findings to their customers.

The Motorist Assurance Program continues to work cooperatively and proactively with government agencies and consumer groups toward solutions that both benefit the customer and are mutually acceptable to both regulators and industry. We maintain the belief that industry must retain control over how we conduct our business, and we must be viewed as part of the solution and not part of the problem. Meetings with state and other government officials (and their representatives), concerned with auto repair and/or consumer protection, are conducted. Feedback from these sessions is brought back to the association, and the program adjusted as needed.

To assure auto repair customers recourse if they were not satisfied with a repair transaction, the Motorist Assurance Program offers mediation and arbitration through MAP/BBB-CARE and other non-profit organizations. MAP conducted pilot programs in twelve states before announcing the program nationally in October, 1998. During the pilots, participating repair shops demonstrated their adherence to the Pledge and Standards and agreed to follow the UICS in communicating the results of their inspection to their customers. To put some "teeth" in the program, an accreditation requirement for shops was initiated. The requirements are stringent, and a self-policing method has been incorporated which includes the "mystery shopping" of outlets.

We welcome you to join us as we continue our outreach... with your support, both the automotive repair industry and your customers will reap the benefits. Please visit MAP at our Internet site [www.motorist.org](http://www.motorist.org) or contact us at:

1444 I Street, NW Suite 700  
Washington, DC 20005  
Phone (202) 712-9042 Fax (202) 216-9646  
January 1999

**MAP UNIFORM INSPECTION GENERAL GUIDELINES**

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## OVERVIEW OF SERVICE REQUIREMENTS & SUGGESTIONS

It is MAP policy that all exhaust, brake, steering, suspension, wheel alignment, drive-line, engine performance and maintenance, and heating, ventilation and air conditioning, and electrical services be offered and performed under the standards and procedures specified in these sections.

Before any service is performed on a vehicle, an inspection of the appropriate system must be performed. The results of this inspection must be explained to the customer and documented on an inspection form. The condition of the vehicle and its components will indicate what services/part replacements may be "Required" or "Suggested". In addition, suggestions may be made to satisfy the requests expressed by the customer.

When a component is suggested or required to be repaired or replaced, the decision to repair or replace must be made in the customer's best interest, and at his or her choice given the options available.

This section lists the various parts and conditions that indicate a required or suggested service or part replacement. Although this list is extensive, it is not fully inclusive. In addition to this list, a technician may make a suggestion. However, any suggestions must be based on substantial and informed experience, or the vehicle manufacturer's recommended service interval and must be documented.

Some conditions indicate that service or part replacement is required because the part in question is no longer providing the function for which it is intended, does not meet a vehicle manufacturer's design specification or is missing.

Example:

An exhaust pipe has corroded severely and has a hole in it through which exhaust gases are leaking. Replacement of the exhaust pipe in this case is required due to functional failure.

Example:

A brake rotor has been worn to the point where it measures less than the vehicle manufacturer's discard specifications. Replacement of the rotor is required because it does not meet design specifications.

Some conditions indicate that a service or part replacement is suggested because the part is close to the end of its useful life or addresses a customer's need, convenience or request. If a customer's vehicle has one of these conditions, the procedure may be only to suggest service.

Example:

An exhaust pipe is rusted, corroded or weak, but no leaks are present. In this case, the exhaust pipe has not failed. However, there is evidence that the pipe may need replacement in the near future. Replacement of the pipe may be suggested

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for the customer's convenience in avoiding a future problem.

Example:

The customer desires improved ride and/or handling, but the vehicle's shocks or struts have not failed. In this case, replacement may be suggested to satisfy the customer's wishes. In this case, replacement of the shocks or struts may not be sold as a requirement.

A customer, of course, has the choice of whether or not a shop will service his or her vehicle. He or she may decide not to follow some of your suggestions. When a repair is required, a MAP shop must refuse partial service on that system if, in the judgment of the service provider, proceeding with the work could create or continue an unsafe condition. When a procedure states that required or suggested repair or replacement is recommended, the customer must be informed of the generally acceptable repair/replacement options whether or not performed by the shop.

When presenting suggested repairs to the customer, you must present the facts, allowing the customer to draw their own conclusions and make an informed decision about how to proceed.

The following reasons may be used for required and suggested services. These codes are shown in the "Code" column of the MAP Uniform Inspection & Communications Standards that follow:

#### Reasons to Require Repair or Replacement

- A - Part no longer performs intended purpose
- B - Part does not meet a design specification (regardless of performance)
- C - Part is missing

NOTE: When a repair is required, the shop must refuse partial service to the system in question, if the repair creates or continues an unsafe condition.

#### Reasons to Suggest Repair or Replacement

- 1 - Part is close to the end of its useful life (just above discard specifications, or weak; failure likely to occur soon, etc.)
- 2 - To address a customer need, convenience, or request (to stiffen ride, enhance performance, eliminate noise, etc.)
- 3 - To comply with maintenance recommended by the vehicle's Original Equipment Manufacturer (OEM)
- 4 - Technician's recommendation based on substantial and informed experience

NOTE: Suggested services are always optional. When presenting suggested repairs to the customer, you must present the facts, allowing the customer to draw their own conclusions and make an informed decision about how to proceed.

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**HEATING, VENTILATION, AND AIR CONDITIONING**

**SERVICE PROCEDURES REQUIRED AND SUGGESTED FOR PROPER VEHICLE OPERATION**

CAUTION: Before working on any air conditioning system, be sure to review current local, state, federal, and EPA regulations regarding charging, recycling, and disposal of refrigerant.

**ACCUMULATORS**

ACCUMULATOR INSPECTION

AA  
 Condition Code Procedure

Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.
Beyond vehicle manufacturer's service interval .....	3 .....	Suggest replacement.
Dessicant at the end of its useful life (saturated with moisture) .....	1 ..	Suggest repair or replacement.
Dessicant bag deteriorated .....	A .....	(1) Require replacement. Further inspection required.
Leaking .....	A ..	Require repair or replacement.
Threads damaged .....	A ..	Require repair or replacement.
Threads stripped (threads missing) .....	A .....	Require replacement.
Tubing connection leaking .....	A ..	Require repair or replacement.

(1) - Inspect system to determine effects of dessicant bag deterioration.

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**ACTUATORS (ELECTRICAL)**

ACTUATOR (ELECTRICAL) INSPECTION

AA  
 Condition Code Procedure

Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
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**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

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Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.
Connector broken .....	A ..	Require repair or replacement.
Connector (Weatherpack type) leaking .....	A ..	Require repair or replacement.
Connector melted, affecting performance ..	A .....	(1) Require repair or replacement.
Connector melted, not affecting performance ..	2 .....	(1) Suggest repair or replacement.
Connector missing .....	C .....	Require replacement.
Inoperative .....	A .....	(2) Require replacement.
Missing .....	C .....	Require replacement.
Noisy .....	2 ..	Suggest repair or replacement.
Out of adjustment .....	B ..	Require repair or replacement.
Terminal broken .....	A ..	Require repair or replacement.
Terminal burned, affecting performance .....	A .....	(1) Require repair or replacement.
Terminal burned, not affecting performance ..	1 .....	(1) Suggest repair or replacement.
Terminal corroded, affecting performance ..	A ..	Require repair or replacement.
Terminal corroded, not affecting performance ..	1 ..	Suggest repair or replacement.
Terminal loose, affecting performance .....	B ..	Require repair or replacement.
Terminal loose, not affecting performance ..	1 ..	Suggest repair or replacement.

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**ACTUATORS (VACUUM)**

**ACTUATOR (VACUUM) INSPECTION**

AA

Condi ti on	Code	Procedure
Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.

**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

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Connector broken .....	A ..	Require repair or replacement.
Connector (Weatherpack type) leaking .....	A ..	Require repair or replacement.
Connector melted, affecting performance ..	A .....	(1) Require repair or replacement.
Connector melted, not affecting performance ..	2 .....	(1) Suggest repair or replacement.
Connector missing .....	C .....	Require replacement.
Inoperative .....	A .....	(2) Require replacement.
Leaking (vacuum) .....	A ..	Require repair or replacement.
Linkage bent, affecting performance .....	A ...	Require repair or replacement of linkage.
Linkage bent, not affecting performance ..	2 ...	Suggest repair or replacement of linkage.
Linkage binding, affecting performance .....	A ...	Require repair or replacement of linkage.
Linkage binding, not affecting performance ..	1 ...	Suggest repair or replacement of linkage.
Linkage broken .....	A ...	Require repair or replacement of linkage.
Linkage loose, affecting performance .....	A ...	Require repair or replacement of linkage.
Linkage loose, not affecting performance ..	1 ...	Suggest repair or replacement of linkage.
Linkage missing .....	C .....	Require replacement.
Linkage noisy .....	2 ..	Suggest repair or replacement.
Missing .....	C .....	Require replacement.
Noisy .....	2 ..	Suggest repair or replacement.
Out of adjustment .....	A ..	Require repair or replacement.

- (1) - Determine cause and correct prior to repair or replacement of part.
- (2) - Inoperative includes intermittent operation or out of OEM specification.

AA

**AIR CONDITIONING FITTINGS**

See  
AIR CONDITIONING METAL LINES, HOSES AND FITTING ASSEMBLIES.

**AIR CONDITIONING HOSES**

See  
AIR CONDITIONING METAL LINES, HOSES AND FITTING ASSEMBLIES.



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**AIR CONDITIONING METAL LINES, HOSES AND FITTING ASSEMBLIES**

AIR CONDITIONING METAL LINE, HOSE AND FITTING ASSEMBLY INSPECTION  
 AAA

Condi ti on	Code	Procedure
Abrasi on damage, affecting structural integrity .....	A ..	Requi re repair or replacem ent.
Abrasi on damage, not affecting structural integrity .....	..	No servi ce sugges ted or requi red.
Appli cati on incorrec t .....	B .....	Requi re replacem ent.
Attachi ng hardware broken .....	A ...	Requi re repair or replacem ent of hardware.
Attachi ng hardware mi ssi ng .....	C .....	Requi re replacem ent of hardware.
Attachi ng hardware not functi oni ng .....	A ...	Requi re repair or replacem ent of hardware.
Cl amp corrod ed, not reusable .....	1 .....	Sugges t replacem ent.
Connect ed incorrec tly .....	A .....	Requi re repair.
Corrod ed, affecting structural integrity .....	A .....	Requi re replacem ent.
Corrod ed, not affecting structural integrity .....	..	No servi ce sugges ted or requi red.
Crack ed .....	A ..	Requi re repair or replacem ent.
Fitti ng type incorrec t (such as compressi on fitti ng) .....	B .....	Requi re replacem ent.
Flange leaki ng .....	A ..	Requi re repair or replacem ent.
Insuffi ci ent cl ampi ng force, allowi ng hose to leak .....	A ..	Requi re repair or replacem ent.
Leaki ng .....	A ..	Requi re repair or replacem ent.
Mel ted .....	1 ..	Sugges t repair or replacem ent.
Mi ssi ng .....	C .....	Requi re replacem ent.
Outer coveri ng damaged to the extent that the inner fabri c is visi ble .....	A .....	Requi re replacem ent.
Protecti ve sl eev es damaged .....	2 .	Sugges t replacem ent of sl eev es.
Protecti ve sl eev es mi ssi ng .....	C .	Requi re replacem ent of sl eev es.
Restri ct ed, affecting performance .....	A ..	Requi re repair or replacem ent.
Rout ed incorrec tly .....	2 .....	Requi re repair.
Swol len .....	1 .....	Sugges t replacem ent.
Thre ads damaged .....	A ..	Requi re repair or replacem ent.

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Threads stripped (threads missing) ..... A ..... Require replacement.  
 Type incorrect ..... 1 .. Suggest repair or replacement.  
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**AIR CONTROL DOORS**

See PLENUMS.

**AIR DAMS (EXTERNAL)**

**AIR DAM (EXTERNAL) INSPECTION**

AAA

Condition	Code	Procedure
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Application incorrect, affecting air conditioning system performance .....	A ..	Require repair or replacement.
Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.
Bent, affecting air conditioning system performance .....	A ..	Require repair or replacement.
Blocked, affecting air conditioning system performance .....	A ..	Require repair or replacement.
Broken, affecting air conditioning system performance .....	A ..	Require repair or replacement.
Cracked, affecting air conditioning system performance .....	A ..	Require repair or replacement.
Loose, affecting air conditioning system performance .....	A .....	Require repair.
Loose, not affecting air conditioning system performance .....	2 .....	Suggest repair.
Missing, affecting air conditioning system performance .....	C .....	Require replacement.

AAA

**AIR DISTRIBUTION SYSTEM**

See PLENUMS.

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**BELTS**

**BELT INSPECTION**

AA

Condi ti on	Code	Procedure
Align ment incorrec t . . . . .	B . . . . .	(1) Further i nspecti on requi red.
Cracked . . . . .	1 . . . . .	Suggest replacem ent.
Frayed . . . . .	1 . . . . .	Suggest replacem ent.
Mi ssi ng . . . . .	C . . . . .	Requi re replacem ent.
Noi sy . . . . .	2 . . . . .	(2) Further i nspecti on requi red.
Pl i es separated . . . . .	A . . . . .	Requi re replacem ent.
Serpenti ne bel t routed i ncorrectly . . . . .	B . . . . .	Requi re repai r.
Tensi on out of speci fi cati on . . . . .	B . . . . .	Requi re adj ustment or replacem ent.
Worn beyond adj ustment range . . . . .	B . . . . .	Requi re replacem ent.
Worn so i t contacts bottom of pulley . . . . .	A . . . . .	Requi re replacem ent.

- (1) - Determine cause of incorrect alignment and require repair.
- (2) - Determine cause of noise and suggest repair.

AA

**BLEND DOORS**

See PLENUMS.

**BLOWER FANS (BLOWER WHEEL OR SQUIRREL CAGE)**

**BLOWER FAN (BLOWER WHEEL OR SQUIRREL CAGE) INSPECTION**

AA

Condi ti on	Code	Procedure
Attachi ng hardware broken . . . . .	A . . . . .	Requi re repai r or replacem ent of hardware.
Attachi ng hardware mi ssi ng . . . . .	C . . . . .	Requi re replacem ent of hardware.
Attachi ng hardware not functi oni ng . . . . .	A . . . . .	Requi re repai r or replacem ent of hardware.
Appli cati on i ncorrect . . . . .	B . . . . .	Requi re repai r or replacem ent.
Broken . . . . .	A . . . . .	Requi re replacem ent.
Cracked . . . . .	A . . . . .	Requi re replacem ent
Di storted . . . . .	A . . . . .	Requi re replacem ent.
Fi ns mi ssi ng . . . . .	C . . . . .	Requi re replacem ent.

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Hub separated .....	A .....	Require replacement.
Inoperative .....	A .....	(1) Require replacement.
Mounting loose .....	A ..	Require repair or replacement.
Noisy .....	2 .....	Suggest replacement.
Out of balance .....	A ..	Require repair or replacement.

(1) - Inoperative includes intermittent operation or out of OEM specification.

AA

**BLOWER MOTORS**

**BLOWER MOTOR INSPECTION**

AA

Condition	Code	Procedure
Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.
Connector broken .....	A ..	Require repair or replacement.
Connector (Weatherpack type) leaking .....	A ..	Require repair or replacement.
Connector melted, affecting performance ..	A .....	(1) Require repair or replacement.
Connector melted, not affecting performance ..	2 .....	(1) Suggest repair or replacement.
Connector missing .....	C .....	Require replacement.
Current draw out of specification .....	B ..	Require repair or replacement.
Inoperative .....	A .....	(2) Require replacement.
Missing .....	C .....	Require replacement.
Motor speed insufficient .....	2 ..	Suggest repair or replacement.
Noisy .....	2 .....	Suggest replacement.
Rotation incorrect for application .....	B ..	Require repair or replacement.
Terminal broken .....	A ..	Require repair or replacement.
Terminal burned, affecting performance .....	A .....	(1) Require repair or replacement.
Terminal burned, not affecting performance ..	2 ..	Suggest repair or replacement.
Terminal corroded, affecting performance ..	A ..	Require repair or replacement.
Terminal corroded, not		

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affecting performance ..	2 ..	Suggest repair or replacement.
Terminal loose, affecting performance .....	B ..	Require repair or replacement.
Terminal loose, not affecting performance ..	1 ..	Suggest repair or replacement.
Vibration .....	1 ..	Suggest replacement.
Wire lead conductors exposed .....	B ..	Require repair or replacement.
Wire lead corroded .....	A ..	Require repair or replacement.
Wire lead open .....	A ..	Require repair or replacement.
Wire lead shorted .....	A ..	Require repair or replacement.

- (1) - Determine cause and correct prior to repair or replacement of part.
- (2) - Check fan motor/controls. Inoperative includes intermittent operation or out of OEM specification.

AA

**BLOWER RESISTORS**

**BLOWER RESISTOR INSPECTION**

AA

Condition	Code	Procedure
Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.
Conductor exposed .....	A .....	Require replacement.
Connector broken .....	A ..	Require repair or replacement.
Connector melted, affecting performance ..	A .....	(1) Require repair or replacement.
Connector melted, not affecting performance ..	1 .....	(1) Suggest repair or replacement.
Connector missing .....	C .....	Require replacement.
Inoperative .....	A .....	(2) Require replacement.
Insulation overheated ...	A .....	Require replacement.
Terminal broken .....	A ..	Require repair or replacement.
Terminal burned, affecting performance .....	A .....	(1) Require repair or replacement.
Terminal burned, not affecting performance ..	2 ..	Suggest repair or replacement.
Terminal corroded, affecting performance ..	A ..	Require repair or replacement.
Terminal corroded, not affecting performance ..	2 ..	Suggest repair or replacement.

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Terminal loose, affecting performance ..... B .. Require repair or replacement.  
Terminal loose, not affecting performance .. 1 .. Suggest repair or replacement.

- (1) - Determine cause and correct prior to repair or replacement of part.
- (2) - Inoperative includes intermittent operation or out of OEM specification.

AA

**BLOWER SWITCHES**

See SWITCHES.

**CABIN AIR FILTERS**

**CABIN AIR FILTER INSPECTION**

AA

Condi ti on	Code	Procedure
Air flow obstruction ....	A .....	Require cleaning or replacement.
Maintenance intervals ...	3 .....	Suggest replacement.
Mis si ng .....	C .....	Require replacement.

AA

**CIRCUIT BREAKERS**

See FUSES, FUSIBLE LINKS AND CIRCUIT BREAKERS.

**COMPRESSOR CLUTCH ASSEMBLIES**

**COMPRESSOR CLUTCH ASSEMBLY INSPECTION**

AA

Condi ti on	Code	Procedure
Air gap incorrect .....	B ..	Require repair or replacement.
Beari ng sei zed .....	A ..	Require replacement of bearing or assembly.
Beari ng worn, affecting performance .....	A ..	Require replacement of bearing or assembly.
Coil shows signs of overheating .....	1 ....	Suggest replacement of coil.
Connector broken .....	A ..	Require repair or replacement.
Connector (Weatherpack type) leaking .....	A ..	Require repair or replacement.
Connector mel ted, affecting performance ..	A .....	(1) Require repair or replacement.
Connector mel ted, not affecting performance ..	2 .....	(1) Suggest repair or replacement.

**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

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Connector missing .....	C .....	Require replacement.
Hub broken .....	A .....	Require replacement.
Hub cracked .....	B .....	Require replacement.
Hub loose on shaft .....	A .....	Require replacement.
Hub scored, affecting performance .....	A .....	Require replacement.
Hub warped, affecting performance .....	A .....	Require replacement.
Inoperative .....	A .....	(2) Require repair or replacement.
Noisy .....	2 ..	Suggest repair or replacement.
Slips .....	A ..	Require repair or replacement.
Terminal burned, affecting performance .....	A .....	(1) Require repair or replacement.
Terminal burned, not affecting performance ..	2 ..	Suggest repair or replacement.
Terminal corroded, affecting performance ..	A ..	Require repair or replacement.
Terminal corroded, not affecting performance ..	2 ..	Suggest repair or replacement.
Terminal loose, affecting performance .....	B ..	Require repair or replacement.
Terminal loose, not affecting performance ..	1 ..	Suggest repair or replacement.
Will not disengage .....	A ..	Require repair or replacement.
Wire lead burned .....	A ..	Require repair or replacement.
Wire lead conductors exposed .....	B ..	Require repair or replacement.
Wire lead open .....	A ..	Require repair or replacement.
Wire lead shorted .....	A ..	Require repair or replacement.

- (1) - Determine cause and correct prior to repair or replacement of part.  
 (2) - Inoperative includes intermittent operation or out of OEM specification.

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**COMPRESSORS**

COMPRESSOR INSPECTION

AA

Condition	Code	Procedure
Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.
Bracket bent, affecting		

**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

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performance .....	A	..	Require repair or replacement.
Bracket bent, not affecting performance .. ..			No service suggested or required.
Bracket broken, affecting performance .....	A	.....	Require replacement.
Bracket broken, not affecting performance .. ..			No service suggested or required.
Bracket corroded, affecting performance ..	A	..	Require repair or replacement.
Bracket corroded, not affecting performance ..	2	..	Suggest repair or replacement.
Bracket cracked, affecting performance .....	A	..	Require repair or replacement.
Bracket cracked, not affecting performance ..	1	..	Suggest repair or replacement.
Bracket holes elongated, affecting performance ..	A	..	Require repair or replacement.
Bracket holes elongated, not affecting performance ..			No service suggested or required.
Bracket loose, affecting performance .....	A	..	Require repair or replacement.
Bracket loose, not affecting performance ..	1	..	Suggest repair or replacement.
Bracket missing .....	C	.....	Require replacement.
Housing broken, affecting performance .....	A	..	Require repair or replacement.
Housing broken, not affecting performance .. ..			No service suggested or required.
Housing cracked, affecting performance .....	A	..	Require repair or replacement.
Housing cracked, not affecting performance ..	1	..	Suggest repair or replacement.
Inoperative .....	A	.....	(1) Require repair or replacement.
Leaking .....	A	..	Require repair or replacement.
Noisy .....	2	.....	(2) Suggest repair or replacement.
Threads damaged .....	A	..	Require repair or replacement.
Threads stripped (threads missing) .....	A	.....	Require replacement.
Tubing connection leaking .....	A	..	Require repair or replacement.

(1) - Inoperative includes intermittent operation or out of OEM specification.

(2) - Compressor noise can also be caused by low oil level, state of charge, air contamination, or type of refrigerant.

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CONDENSER AIR SEALS

CONDENSER AIR SEAL INSPECTION

AA  
Condi ti on Code Procedure

Leaki ng ..... A .. Require repair or replacement.  
Mi ssi ng ..... C ..... Require replacement.  
AA

CONDENSER FAN MOTORS

See COOLING FAN MOTORS.

CONDENSERS

CONDENSER INSPECTION

AA  
Condi ti on Code Procedure

Abrasi on damage, affecting structural integrity ... A .. Require repair or replacement.  
Abrasi on damage, not affecting structural integrity ..... No service suggested or required.  
Air flow obstruction, affecting performance .. A .. Require repair or replacement.  
Attachi ng hardware broken ..... A ... Require repair or replacement of hardware.  
Attachi ng hardware mi ssi ng ..... C ..... Require replacement of hardware.  
Attachi ng hardware not functi oni ng ..... A ... Require repair or replacement of hardware.  
Bent, affecting performance ..... A .. Require repair or replacement.  
Bent, not affecting performance ..... No service suggested or required.  
Bracket bent, affecting performance ..... A .. Require repair or replacement.  
Bracket bent, not affecting performance .. .. No service suggested or required.  
Bracket broken, affecting performance ..... A ..... Require replacement.  
Bracket broken, not affecting performance .. .. No service suggested or required.  
Bracket corroded,

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affecting performance ..	A ..	Require repair or replacement.
Bracket corroded, not affecting performance ..	2 ..	Suggest repair or replacement.
Bracket cracked, affecting performance ..	A ..	Require repair or replacement.
Bracket cracked, not affecting performance ..	1 ..	Suggest repair or replacement.
Bracket holes elongated, affecting performance ..	A ..	Require repair or replacement.
Bracket holes elongated, not affecting performance ..	..	No service suggested or required.
Bracket loose, affecting performance ..	A ..	Require repair or replacement.
Bracket loose, not affecting performance ..	1 ..	Suggest repair or replacement.
Bracket missing ..	C ..	Require replacement.
Corroded, affecting structural integrity ..	A ..	Require replacement.
Corroded, not affecting structural integrity ..	..	No service suggested or required.
Fitting type incorrect (such as compression fitting) ..	B ..	Require replacement.
Flange leaking ..	A ..	Require repair or replacement.
Leaking ..	A ..	Require repair or replacement.
Restricted internally ..	A ..	Require repair or replacement.
Threads damaged ..	A ..	Require repair or replacement.
Threads stripped (threads missing) ..	A ..	Require replacement.

AA

**CONNECTORS**

See WIRING HARNESSES AND CONNECTORS.

**CONTROL CABLES**

**CONTROL CABLE INSPECTION**

AA

Condition	Code	Procedure
Attaching hardware broken ..	A ...	Require repair or replacement of hardware.
Attaching hardware missing ..	C ..	Require replacement of hardware.
Attaching hardware not functioning ..	A ...	Require repair or replacement of hardware.
Binding ..	A ..	Require repair or replacement.

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Bracket bent, affecting performance .....	A ..	Require repair or replacement.
Bracket bent, not affecting performance .. ..	.....	No service suggested or required.
Bracket broken, affecting performance .....	A .....	Require replacement.
Bracket broken, not affecting performance .. ..	.....	No service suggested or required.
Bracket corroded, affecting performance ..	A ..	Require repair or replacement.
Bracket corroded, not affecting performance ..	2 ..	Suggest repair or replacement.
Bracket cracked, affecting performance .....	A ..	Require repair or replacement.
Bracket cracked, not affecting performance ..	1 ..	Suggest repair or replacement.
Bracket holes elongated, affecting performance ..	A ..	Require repair or replacement.
Bracket holes elongated, not affecting performance ..	.....	No service suggested or required.
Bracket loose, affecting performance .....	A ..	Require repair or replacement.
Bracket loose, not affecting performance ..	1 ..	Suggest repair or replacement.
Bracket missing .....	C .....	Require replacement.
Broken .....	A ..	Require repair or replacement.
Cracked .....	2 ..	Suggest repair or replacement.
Disconnected .....	A ..	Require repair or replacement.
Kinked .....	2 ..	Suggest repair or replacement.
Melted .....	A .....	(1) Require repair or replacement.
Missing .....	C .....	Require replacement.
Out of adjustment .....	B .....	(2) Require repair or replacement.
Routed incorrectly .....	2 .....	Suggest repair.
Seized .....	A ..	Require repair or replacement.

- (1) - Determine cause and correct prior to repair or replacement of part.
- (2) - Follow OEM recommended adjustment procedures. Require repair or replacement if out of specification.

AA

**CONTROL HEADS (FUNCTION SELECTORS)**

CONTROL HEAD (FUNCTION SELECTOR) INSPECTION

AA

Condi ti on	Code	Procedure
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Attachi ng hardware

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broken	.....	A	...	Require repair or replacement of hardware.
Attaching hardware missing	.....	C	.....	Require replacement of hardware.
Attaching hardware not functioning	.....	A	...	Require repair or replacement of hardware.
Connector broken	.....	A	..	Require repair or replacement.
Connector (Weatherpack type) leaking	.....	A	..	Require repair or replacement.
Connector melted, affecting performance	..	A	.....	(1) Require repair or replacement.
Connector melted, not affecting performance	..	2	.....	(1) Suggest repair or replacement.
Connector missing	.....	C	.....	Require replacement.
Contaminated	.....	2	....	Suggest require replacement.
Leaking	.....	A	..	Require repair or replacement.
Mal functioning	.....	A	.....	(2) Require repair or replacement.
Melted, affecting performance	.....	A	.....	(1) Require repair or replacement.
Melted, not affecting performance	.....	..	.....	No service suggested or required.
Terminal broken	.....	A	..	Require repair or replacement.
Terminal burned, affecting performance	.....	A	.....	(1) Require repair or replacement.
Terminal burned, not affecting performance	..	2	..	Suggest repair or replacement.
Terminal corroded, affecting performance	..	A	..	Require repair or replacement.
Terminal corroded, not affecting performance	..	2	..	Suggest repair or replacement.
Terminal loose, affecting performance	.....	B	..	Require repair or replacement.
Terminal loose, not affecting performance	..	1	..	Suggest repair or replacement.
Wire lead burned	.....	A	..	Require repair or replacement.
Wire lead conductors exposed	.....	B	..	Require repair or replacement.
Wire lead open	.....	A	..	Require repair or replacement.
Wire lead shorted	.....	A	..	Require repair or replacement.

(1) - Determine cause and correct prior to repair or replacement of part.

(2) - Includes inoperative, intermittent operation, or failure to perform all functions.

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**CONTROL LINKAGES**

CONTROL LINKAGE INSPECTION

AA

Condi ti on	Code	Procedure
Attachi ng hardware broken .....	A ..	Requi re repai r or repl acement of hardware.
Attachi ng hardware mi ssi ng .....	C .....	Requi re repl acement of hardware.
Attachi ng hardware not functi oni ng .....	A ..	Requi re repai r or repl acement of hardware.
Bent .....	A ..	Requi re repai r or repl acement.
Bi ndi ng .....	A ..	Requi re repai r or repl acement.
Bracket bent, affecti ng performance .....	A ..	Requi re repai r or repl acement.
Bracket bent, not affecti ng performance .. ..	.....	No servi ce suggeste d or requi red.
Bracket broken, affecti ng performance .....	A .....	Requi re repl acement.
Bracket broken, not affecti ng performance .. ..	.....	No servi ce suggeste d or requi red.
Bracket corrode d, affecti ng performance ..	A ..	Requi re repai r or repl acement.
Bracket corrode d, not affecti ng performance ..	2 ..	Suggest repai r or repl acement.
Bracket cracke d, affecti ng performance .....	A ..	Requi re repai r or repl acement.
Bracket cracke d, not affecti ng performance ..	1 ..	Suggest repai r or repl acement.
Bracket hol es el ongate d, affecti ng performance ..	A ..	Requi re repai r or repl acement.
Bracket hol es el ongate d, not affecti ng performance .....	.....	No servi ce suggeste d or requi red.
Bracket loo se, affecti ng performance .....	A ..	Requi re repai r or repl acement.
Bracket loo se, not affecti ng performance ..	1 ..	Suggest repai r or repl acement.
Bracket mi ssi ng .....	C .....	Requi re repl acement.
Broken .....	A .....	Requi re repl acement.
Cracke d .....	A ..	Requi re repai r or repl acement.
Di sconnecte d .....	A ..	Requi re repai r or repl acement.
Mi ssi ng .....	C .....	Requi re repl acement.
Noi sy .....	2 ..	Suggest repai r or repl acement.
Out of adj ustment .....	B .....	(1) Requi re repai r or repl acement.
Sei zed .....	A ..	Requi re repai r or repl acement.

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(1) - Follow OEM recommended adjustment procedures. Require repair or replacement if out of specification.

AA

**CONTROL MODULES**

NOTE: Includes, but not limited to: IRCM, Coolant Fan Control Module (CFCM), AC Controller, Amplifier, Programmers, Control Heads, Power Modules, etc.

**CONTROL MODULE INSPECTION**

AA

Condition	Code	Procedure
Application incorrect	B	Require replacement.
Attaching hardware missing	C	Require replacement of hardware.
Attaching hardware threads damaged	A	Require repair or replacement of hardware.
Attaching hardware threads stripped (threads missing)	A	Require repair or replacement of hardware.
Code set (if applicable)	A	(1) Further inspection required.
Connector broken	A	Require repair or replacement.
Connector melted, affecting performance	A	(2) Require repair or replacement.
Connector melted, not affecting performance	2	(2) Suggest repair or replacement.
Connector missing	A	Require repair.
Contaminated	A	(3) Require repair or replacement.
Inoperative	B	(4) Require repair or replacement. Further inspection required.
Leaking	A	Require repair or replacement.
Missing	C	Require replacement.
Terminal broken	A	Require repair or replacement.
Terminal burned, affecting performance	A	(2) Require repair or replacement.
Terminal burned, not affecting performance	2	Suggest repair or replacement.
Terminal corroded, affecting performance	A	Require repair or replacement.
Terminal corroded, not affecting performance	2	Suggest repair or replacement.

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Terminal loose, affecting performance .....	B ..	Require repair or replacement.
Terminal loose, not affecting performance ..	1 ..	Suggest repair or replacement.
Threads damaged .....	A ..	Require repair or replacement.
Threads stripped (threads missing) .....	A .....	Require replacement.
Wire lead conductors exposed .....	B ..	Require repair or replacement.
Wire lead corroded .....	A ..	Require repair or replacement.
Wire lead open .....	A ..	Require repair or replacement.
Wire lead shorted .....	A ..	Require repair or replacement.

- (1) - Refer to manufacturer's diagnostic trouble code procedure and require repair or replacement of affected component(s).
- (2) - Determine cause and correct prior to repair or replacement of part.
- (3) - Determine source of contamination, such as engine coolant, fuel, metal particles, or water. Require repair or replacement. Check for accepted cleaning procedure.
- (4) - Inoperative includes intermittent operation or out of OEM specification. Some components may be serviceable.

AA

**COOLANT**

COOLANT INSPECTION

AA

Condition	Code	Procedure
Acidity (pH) incorrect ..	1 .....	Suggest correction or replacement.
Contaminated .....	B .....	(1) Require replacement or recycling. Further inspection required.
Level incorrect .....	B .....	(2) Require filling to proper level.
Maintenance intervals ...	3 .....	(3) Suggest replacement.
Mixture incorrect .....	B .....	Require correction or replacement.
Type incorrect .....	B .....	Require replacement.

- (1) - Determine source of contamination and require correction prior to coolant replacement.
- (2) - Determine source of incorrect level and suggest repair.
- (3) - The system should be drained and/or flushed and refilled with correct coolant according to OEM recommended service interval and procedures.

AA

**COOLING FAN BLADES**

COOLING FAN BLADE INSPECTION

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Condi ti on	Code	Procedure
Appli cation incorrec t Attachi ng hardware broken	... B ..... A	Requi re repl acement. Requi re repai r or repl acement of hardware.
Attachi ng hardware mi ssi ng	..... C	Requi re repl acement of hardware.
Attachi ng hardware not functi oni ng	... A	Requi re repai r or repl acement of hardware.
Bent	..... A	Requi re repl acement.
Broken	..... A	Requi re repl acement.
Cracked	..... A	Requi re repl acement.
Loose	.. A	Requi re repai r or repl acement.
Mi ssi ng	..... C	Requi re repl acement.

**COOLING FAN CLUTCHES**

NOTE: Some lateral movement, measured at the fan blade tip, may be normal.

**COOLING FAN CLUTCH I NSPECTI ON**

Condi ti on	Code	Procedure
Appli cation incorrec t Attachi ng hardware broken	... B ..... A	Requi re repl acement. Requi re repai r or repl acement of hardware.
Attachi ng hardware mi ssi ng	..... C	Requi re repl acement of hardware.
Attachi ng hardware not functi oni ng	... A	Requi re repai r or repl acement of hardware.
Beari ng noi sy	..... A	Requi re repl acement.
Beari ng worn	..... A	Requi re repl acement.
Fastener loose	... A	Requi re repai r or repl acement of fastener.
I noperati ve	..... A	(1) Requi re repl acement.
Leaki ng	..... 1	Suggest repl acement.
Sei zed	..... A	Requi re repl acement.
Sl ips (i nsuffi cient fan speed)	..... A	Requi re repl acement.
Thermal control i ncorrect	.. B	Requi re repai r or repl acement.

(1) - I noperati ve i ncludes i ntermi ttent operati on or out of OEM speci fi cation.



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**COOLING FAN MOTORS**

COOLING FAN MOTOR INSPECTION

AA

Condi ti on	Code	Procedure
Attachi ng hardware broken .....	A .....	Requi re repai r or repl acement of hardware.
Attachi ng hardware mi ssi ng .....	C .....	Requi re repl acement of hardware.
Attachi ng hardware not functi oni ng .....	A ..	Requi re repai r or repl acement of hardware.
Connector broken .....	A ..	Requi re repai r or repl acement.
Connector (Weatherpack type) leaki ng .....	A ..	Requi re repai r or repl acement.
Connector mel ted, affecti ng performance ..	A .....	(1) Requi re repai r or repl acement.
Connector mel ted, not affecti ng performance ..	2 .....	(1) Suggest repai r or repl acement.
Connector mi ssi ng .....	C .....	Requi re repl acement.
Hydrauli c fan motor leaki ng .....	A ..	Requi re repai r or repl acement.
Inoperati ve .....	A .....	(2) Requi re repl acement.
Mi ssi ng .....	C .....	Requi re repl acement.
Noi sy .....	2 .....	Suggest repl acement.
Rotati on i ncorrect for appl i cati on .....	B ..	Requi re repai r or repl acement.
Termi nal broken .....	A ..	Requi re repai r or repl acement.
Termi nal burned, affecti ng performance .....	A .....	(1) Requi re repai r or repl acement.
Termi nal burned, not affecti ng performance ..	2 ..	Suggest repai r or repl acement.
Termi nal corroded, affecti ng performance ..	A ..	Requi re repai r or repl acement.
Termi nal corroded, not affecti ng performance ..	2 ..	Suggest repai r or repl acement.
Termi nal loose, affecti ng performance .....	B ..	Requi re repai r or repl acement.
Termi nal loose, not affecti ng performance ..	1 ..	Suggest repai r or repl acement.
Vi brati on .....	1 .....	Suggest repl acement.
Wi re lead conductors exposed .....	B ..	Requi re repai r or repl acement.
Wi re lead corroded .....	A ..	Requi re repai r or repl acement.
Wi re lead open .....	A ..	Requi re repai r or repl acement.
Wi re lead shorted .....	A ..	Requi re repai r or repl acement.

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- (1) - Determine cause and correct prior to repair or replacement of part.
  - (2) - Check fan motor/controls. Inoperative includes intermittent operation or out of OEM specification.
- AA

**EVAPORATOR DRAIN TUBES**

EVAPORATOR DRAIN TUBE INSPECTION

AA  
 Condition Code Procedure

Disconnected .....	A .....	Require repair.
Leaking .....	A .....	Require replacement.
Missing .....	C .....	Require replacement.
Restricted .....	A ..	Require repair or replacement.
Routed incorrectly .....	B .....	Require repair.

AA

**EVAPORATOR PRESSURE REGULATORS (EPRS)**

EVAPORATOR PRESSURE REGULATOR (EPR) INSPECTION

AA  
 Condition Code Procedure

Inoperative .....	A .....	(1) Require repair or replacement.
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- (1) - Inoperative includes intermittent operation or out of OEM specification.

AA

**EVAPORATORS**

EVAPORATOR INSPECTION

AA  
 Condition Code Procedure

Abrasion damage, affecting structural integrity ...	A ..	Require repair or replacement.
Abrasion damage, not affecting structural integrity .....	.. .....	No service suggested or required.
Air flow obstruction, affecting performance ..	A ..	Require repair or replacement.
Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement

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			of hardware.
Bracket bent, affecting performance .....	A ..	Require repair or replacement.	
Bracket bent, not affecting performance .. ..	.....	No service suggested or required.	
Bracket broken, affecting performance .....	A .....	Require replacement.	
Bracket broken, not affecting performance .. ..	.....	No service suggested or required.	
Bracket corroded, affecting performance ..	A ..	Require repair or replacement.	
Bracket corroded, not affecting performance ..	2 ..	Suggest repair or replacement.	
Bracket cracked, affecting performance .....	A ..	Require repair or replacement.	
Bracket cracked, not affecting performance ..	1 ..	Suggest repair or replacement.	
Bracket holes elongated, affecting performance ..	A ..	Require repair or replacement.	
Bracket holes elongated, not affecting performance ..	.....	No service suggested or required.	
Bracket loose, affecting performance .....	A ..	Require repair or replacement.	
Bracket loose, not affecting performance ..	1 ..	Suggest repair or replacement.	
Bracket missing .....	C .....	Require replacement.	
Corroded, affecting structural integrity ...	A .....	Require replacement.	
Corroded, not affecting structural integrity ...	.....	No service suggested or required.	
Evaporator foam seal leaking .....	A .....	Require replacement.	
Evaporator foam seal missing .....	C .....	Require replacement.	
Fitting type incorrect (such as compression fitting) .....	B .....	Require replacement.	
Flange leaking .....	A ..	Require repair or replacement.	
Leaking .....	A ..	Require repair or replacement.	
Restricted internally ...	A ..	Require repair or replacement.	
Threads damaged .....	A ..	Require repair or replacement.	
Threads stripped (threads missing) .....	A .....	Require replacement.	
AA			

**EXPANSION VALVES**

EXPANSION VALVE INSPECTION  
AA

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Condi ti on	Code	Procedure
Appli cation i ncorrect Attachi ng hardware broken	... B ..... A	Requi re repl acement. Requi re repai r or repl acement of hardware.
Attachi ng hardware mi ssi ng	..... C	Requi re repl acement of hardware.
Attachi ng hardware not functi oni ng	... A	Requi re repai r or repl acement of hardware.
Corroded i nternally	..... 1	Suggest repl acement.
Filter screen torn	..... A	Requi re repl acement of screen.
I noperati ve	..... A	(1) Requi re repai r or repl acement.
Leaki ng	..... A	Requi re repl acement.
Restri cted	..... A	Requi re repai r or repl acement.
Thre ads damaged	..... A	Requi re repai r or repl acement.
Thre ads stri pped (thre ads mi ssi ng)	..... A	Requi re repl acement.

(1) - Expansion valve operation may be affected by capillary tube location, corrosion, and insulation tape.

I noperati ve i ncludes i ntermi ttent operati on.

AA

**FUNCTION SELECTORS**

See CONTROL HEADS (FUNCTION SELECTORS).

**FUSES, FUSIBLE LINKS AND CIRCUIT BREAKERS**

**FUSE, FUSIBLE LINK AND CIRCUIT BREAKER INSPECTION**

AA

Condi ti on	Code	Procedure
Appli cation i ncorrect	... B	Requi re repl acement.
Bl own	..... A	(1) Requi re repl acement.
Corroded, affecti ng performance	..... A	Requi re repai r or repl acement.
Corroded, not affecti ng performance	..... 2	Suggest repai r or repl acement.
Cracked, affecti ng performance	..... A	Requi re repai r or repl acement.
Cracked, not affecti ng performance	..... 1	Suggest repai r or repl acement.
I noperati ve	..... A	(2) Requi re repl acement.
I nsul ati on damaged, conductors exposed	..... A	Requi re repai r or repl acement.
I nsul ati on damaged, conductors not exposed	..... 1	Suggest repai r or repl acement.
Mi ssi ng	..... C	Requi re repl acement.
Routed i ncorrectly	..... B	Requi re repai r.

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Secured incorrectly .....	B .....	Require repair.
Terminal broken .....	A ..	Require repair or replacement.
Terminal burned, affecting performance .....	A .....	(1) Require repair or replacement.
Terminal burned, not affecting performance ..	2 ..	Suggest repair or replacement.
Terminal corroded, affecting performance ..	A ..	Require repair or replacement.
Terminal corroded, not affecting performance ..	2 ..	Suggest repair or replacement.
Terminal loose, affecting performance .....	B ..	Require repair or replacement.
Terminal loose, not affecting performance ..	1 ..	Suggest repair or replacement.

(1) - Determine cause and correct prior to replacement of part.

(2) - Inoperative includes intermittent operation.

AA

**FUSIBLE LINKS**

See FUSES, FUSIBLE LINKS AND CIRCUIT BREAKERS.

**GASKETS**

GASKET INSPECTION

AA

Condition	Code	Procedure
Leaking .....	A .....	(1) Require repair or replacement.

(1) - Require inspection of mating and sealing surface and repair or replace as necessary.

AA

**HEATER CASES**

See PLENUMS.

**HEATER CONTROL VALVES**

HEATER CONTROL VALVE INSPECTION

AA

Condition	Code	Procedure
Application incorrect ...	B .....	Require replacement.
Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of

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hardware.

Attaching hardware not functioning .....	A .....	Require repair or replacement of hardware.
Binding .....	2 ..	Suggest repair or replacement.
Coolant Leak .....	A ..	Require repair or replacement.
Disconnected .....	A ..	Require repair or replacement.
Malfunctioning .....	A .....	(1) Require repair or replacement.
Missing .....	C .....	Require replacement.
Restricted .....	A ..	Require repair or replacement.
Seized .....	A ..	Require repair or replacement.
Vacuum Leak .....	A ..	Require repair or replacement.

(1) - Includes inoperative, intermittent operation, or failure to perform all functions.

AA

**HEATER CORES**

HEATER CORE INSPECTION

AA

Condition	Code	Procedure
Air flow obstruction .....	A ..	Require repair or replacement.
Attaching hardware broken .....	A .....	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ..	Require repair or replacement of hardware.
Connection Leaking .....	A ..	Require repair or replacement.
Corroded .....	1 ..	Suggest repair or replacement.
Disconnected .....	A ..	Require repair or replacement.
Fins damaged, affecting performance .....	A ..	Require repair or replacement.
Fins damaged, not affecting performance .. ..	.....	No service suggested or required.
Internal restrictions, affecting performance ..	A ..	Require repair or replacement.
Leaking .....	A ..	Require repair or replacement.
Missing .....	C .....	Require replacement.

AA

**HEATER HOSES**

HEATER HOSE INSPECTION

AA

Condition	Code	Procedure
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Application incorrect ...	B	.....	Require replacement.
Connected incorrectly ...	A	.....	Require repair.
Corroded, not reusable ..	1	.....	Suggest replacement.
Cracked .....	A	..	Require repair or replacement.
Hard (brittle) .....	1	..	Suggest repair or replacement.
Inner fabric (webbing) damaged .....	A	.....	Require replacement.
Insufficient clamping force, allowing hose to leak .....	A	..	Require repair or replacement.
Leaking .....	A	..	Require repair or replacement.
Maintenance intervals ...	3	.....	Suggest replacement.
Melted .....	1	..	Suggest repair or replacement.
Missing .....	C	.....	Require replacement.
Outer covering damaged ..	1	.....	Suggest replacement.
Outer covering damaged to the extent that the inner fabric is visible .....	A	.....	Require replacement.
Protective sleeves damaged .....	2	..	Suggest replacement of sleeves.
Protective sleeves missing .....	2	..	Suggest replacement of sleeves.
Restricted, affecting performance .....	A	..	Require repair or replacement.
Restricted, not affecting performance .....	2	..	Suggest repair or replacement.
Routed incorrectly .....	2	.....	Suggest repair.
Safety clip missing .....	C	.....	Require replacement.
Spongy .....	1	..	Suggest repair or replacement.
Stripped .....	A	.....	Require replacement.
Surface cracks (dry- rotted) .....	1	..	Suggest repair or replacement.
Swollen .....	B	.....	Require replacement.
Threads damaged .....	A	..	Require repair or replacement.
Threads stripped (threads missing) .....	A	.....	Require replacement.
Type incorrect .....	1	..	Suggest repair or replacement.

**HIGH PRESSURE RELIEF VALVES (HPRV)**

**HIGH PRESSURE RELIEF VALVE (HPRV) INSPECTION**

AA

Condi ti on	Code	Procedure
Inoperati ve .....	A	..... (1) Require repair or replacement.
Leaki ng .....	A	.. Require repair or replacement.
Mi ssi ng .....	C	..... Require replacement.
Threads damaged .....	A	.. Require repair or replacement.
Threads stripped (threads mi ssi ng) .....	A	..... Require replacement.

(1) - Inoperati ve i ncl udes i ntermi t tent operati on or out of

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OEM specification.  
AA

**IDLERS**

See TENSIONERS.

**IN-LINE FILTERS**

IN-LINE FILTER INSPECTION  
AA

Condition	Code	Procedure
Connection leaking .....	B ..	Require repair or replacement.
Leaking .....	A ..	Require repair or replacement.
Restricted .....	A ..	Require replacement.
Threads damaged .....	A ..	Require repair or replacement.
Threads stripped (threads missing) .....	A ..	Require replacement.

AA

**METAL FITTINGS**

See  
AIR CONDITIONING METAL LINES, HOSES AND FITTING ASSEMBLIES.

**METAL LINES**

See  
AIR CONDITIONING METAL LINES, HOSES AND FITTING ASSEMBLIES.

**MIX AND AIR CONTROL DOORS (BLEND DOORS)**

See PLENUMS.

**O-RINGS**

O-RING INSPECTION  
AA

Condition	Code	Procedure
Leaking .....	A ..	(1) Require repair or replacement.

(1) - Require inspection of mating and sealing surface and repair or replace as necessary.  
AA

**ORIFICE TUBES**

ORIFICE TUBE INSPECTION  
AA

Condition	Code	Procedure
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**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

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Application incorrect . . . . . B . . . . . Require replacement.  
 Bypassing internally . . . . . A . . . . . Require repair or replacement.  
 Filter screen torn . . . . . A . . . . . Require replacement.  
 Installation incorrect . . . . . B . . . . . Require repair.  
 Restricted . . . . . A . . . . . Require repair or replacement.  
 AA

**PILOT-OPERATED ABSOLUTES (POAS)**

PILOT-OPERATED ABSOLUTE (POA) INSPECTION  
 AA

Condi ti on	Code	Procedure
Connecti on damaged . . . . .	B . . . . .	Require repair or replacement.
Fitti ng damaged . . . . .	B . . . . .	Require repair or replacement.
Inoperati ve . . . . .	A . . . . .	(1) Require repair or replacement.
Leaki ng . . . . .	A . . . . .	Require repair or replacement.
Threads damaged . . . . .	A . . . . .	Require repair or replacement.
Threads stripped (threads mi ssi ng) . . . . .	A . . . . .	Require repl acement.

(1) - Inoperati ve includes i ntermi ttent operati on or out of  
 OEM speci fi cati on.

AAA

**PLENUMS**

PLENUM I NSPECTI ON  
 AA

Condi ti on	Code	Procedure
Ai r control door bi ndi ng . . . . .	A . . . . .	Require repair or repl acement
Ai r control door broken . . . . .	A . . . . .	Require repair or repl acement.
Ai r control door leaki ng . . . . .	A . . . . .	Require repair or repl acement.
Ai r control door sei zed . . . . .	A . . . . .	Require repair or repl acement.
Attachi ng hardware broken . . . . .	A . . . . .	Require repair or repl acement of hardware.
Attachi ng hardware mi ssi ng . . . . .	C . . . . .	Require repl acement of hardware.
Attachi ng hardware not functi oni ng . . . . .	A . . . . .	Require repair or repl acement of hardware.
Cracked . . . . .	2 . . . . .	Suggest repair or repl acement.
Drai n hole restri cted . . . . .	A . . . . .	Require repair.
Drai n pl ugged . . . . .	A . . . . .	Require repair.
Duct di sconnecte d . . . . .	A . . . . .	Require repair or repl acement.
Duct leaki ng . . . . .	A . . . . .	Require repair or repl acement.

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**Entire Article**  
2000 Chevrolet Camaro

Duct missing .....	C .....	Require replacement.
Duct restricted .....	A ..	Require repair or replacement.
Leaking .....	A ..	Require repair or replacement.
Noisy .....	2 .....	Suggest cleaning or repair.
Odor .....	2 .....	Suggest cleaning or repair.
Restricted .....	A .....	Require cleaning, repair, or replacement.

AA

**PRESSURE CONTROL VALVES**

See:

- \* EVAPORATOR PRESSURE REGULATORS (EPRS)
- \* HIGH PRESSURE RELIEF VALVES (HPRV)
- \* PILOT-OPERATED ABSOLUTES (POAS)
- \* SUCTION THROTTLING VALVES (STVS)
- \* VALVES IN RECEIVER (VIRS)

**PRESSURE SENSORS**

See THERMISTORS AND PRESSURE SENSORS.

**PULLEYS**

**PULLEY INSPECTION**

AA

Condition	Code	Procedure
Alignment incorrect .....	B ..	Require repair or replacement.
Application incorrect ...	B .....	Require replacement.
Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.
Bearing noisy .....	2 .....	Suggest replacement.
Bearing seized .....	A ..	Require repair or replacement.
Bearing worn .....	1 .....	Suggest replacement.
Cracked .....	A .....	Require replacement.
Loose .....	A ..	Require repair or replacement.
Missing .....	C .....	Require replacement.
Pulley damaged, affecting belt life .....	A .....	Require replacement.

AA

**RADIATORS**

**RADIATOR INSPECTION**

AA

**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

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**Entire Article**  
2000 Chevrolet Camaro

Condi ti on	Code	Procedure
Air flow obstruction . . . . .	A . . . . .	Requi re repai r.
Appli cati on i ncorrect . . . . .	B . . . . .	Requi re repl acement.
Attachi ng hardware broken . . . . .	A . . . . .	Requi re repai r or repl acement of hardware.
Attachi ng hardware mi ssi ng . . . . .	C . . . . .	Requi re repl acement of hardware.
Attachi ng hardware not functi oni ng . . . . .	A . . . . .	Requi re repai r or repl acement of hardware.
Connecti on l eaki ng . . . . .	A . . . . .	Requi re repai r or repl acement.
Corroded . . . . .	1 . . . . .	Suggest repai r or repl acement.
Drai n i noperati ve . . . . .	A . . . . .	Requi re repai r or repl acement.
Fi ns damaged, affecti ng performance . . . . .	A . . . . .	Requi re repai r or repl acement.
Fi ns damaged, not affecti ng performance . . . . .	. . . . .	No servi ce suggeste d or requi red.
Internal oil cooler l eaki ng . . . . .	A . . . . .	Requi re repai r or repl acement.
Internal restri cti ons . . . . .	B . . . . .	Requi re repai r or repl acement.
L eaki ng . . . . .	A . . . . .	Requi re repai r or repl acement.
Thre ads damaged . . . . .	A . . . . .	Requi re repai r or repl acement.
Thre ads stri pped (thre ads mi ssi ng) . . . . .	A . . . . .	Requi re repai r or repl acement.
Tubes damaged, affecti ng performance . . . . .	A . . . . .	Requi re repai r or repl acement.
Tubes damaged, not affecti ng performance . . . . .	. . . . .	No servi ce suggeste d or requi red.

AA

**RECEIVER-DRIERS**

NOTE: For VIRs, see VALVES IN RECEIVER (VIRS).

**RECEI VER-DRI ER I NSPECTI ON**

AA

Condi ti on	Code	Procedure
Attachi ng hardware broken . . . . .	A . . . . .	Requi re repai r or repl acement of hardware.
Attachi ng hardware mi ssi ng . . . . .	C . . . . .	Requi re repl acement of hardware.
Attachi ng hardware not functi oni ng . . . . .	A . . . . .	Requi re repai r or repl acement of hardware.
Contami nated, affecti ng performance . . . . .	A . . . . .	Requi re repl acement.

**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

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Dessicant bag  
deteriorated ..... A ..... (1) Require replacement.  
Further inspection required.

Dessicant at the end of  
its useful life (saturated  
with moisture) ..... 1 .. Suggest repair or replacement.

Fusible plug leaking .... A .... Require replacement of plug.

Leaking ..... A ..... Require replacement.

Pressure relief device  
leaking ..... A .. Require replacement of pressure  
relief device.

Restricted ..... A .. Require repair or replacement.

Sight glass no longer  
transparent ..... 2 ... Suggest replacement of drier.

Threads damaged ..... A .. Require repair or replacement.

Threads stripped (threads  
missing) ..... A ..... Require replacement.

Tubing connection  
leaking ..... A .. Require repair or replacement.

(1) - Inspect system to determine effects of dessicant bag  
deterioration.

AA

**REFRIGERANT**

NOTE: Refrigerants include any SNAP (Significant New Alternative  
Policy)-approved blends.

**REFRIGERANT INSPECTION**

AA

Condi ti on	Code	Procedure
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Contami nated (other than refrigerant blends) ....	B .....	Require service to remove contami nati on.
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Different types of refrigerants in the same system (other than refrigerant blends) ....	B .....	Require repair.
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Overcharged .....	B .....	Require repair.
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Refrigerant type does not match fittings and label .....	B .....	Require repair.
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Undercharged .....	B .....	Require repair.
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AA

**REFRIGERANT OIL**

**REFRIGERANT OIL INSPECTION**

AA

Condi ti on	Code	Procedure
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**ABC123**

**Entire Article**  
2000 Chevrolet Camaro

Contami nated ..... 1 .. Requi re repai r or repl acement.  
 Overfi lled ..... B ..... Requi re repai r.  
 Underfi lled ..... B ..... Requi re repai r.  
 AA

**RELAYS**

RELAY I NSPECTI ON

AA

Condi ti on	Code	Procedure
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Attachi ng hardware broken .....	A ...	Requi re repai r or repl acement of hardware.
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Attachi ng hardware mi ssi ng .....	C .....	Requi re repl acement of hardware.
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Attachi ng hardware not functi oni ng .....	A ...	Requi re repai r or repl acement of hardware.
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Housi ng broken .....	A .....	Requi re repl acement.
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Housi ng cracked .....	2 .....	Suggest repl acement.
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I noperati ve .....	A .....	(1) Requi re repl acement.
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Mel ted, affecti ng performance .....	A .....	(2) Requi re repai r or repl acement.
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Mel ted, not affecti ng performance .....	2 .....	(2) Suggest repai r or repl acement.
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Mi ssi ng .....	C .....	Requi re repl acement.
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Termi nal broken .....	A ..	Requi re repai r or repl acement.
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Termi nal burned, affecti ng performance .....	A .....	(2) Requi re repai r or repl acement.
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Termi nal burned, not affecti ng performance ..	2 ..	Suggest repai r or repl acement.
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Termi nal corroded, affecti ng performance ..	A ..	Requi re repai r or repl acement.
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Termi nal corroded, not affecti ng performance ..	2 ..	Suggest repai r or repl acement.
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Termi nal loose, affecti ng performance .....	B ..	Requi re repai r or repl acement.
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Termi nal loose, not affecti ng performance ..	1 ..	Suggest repai r or repl acement.
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- (1) - I noperati ve i ncludes i ntermi ttent operati on or out of  
OEM speci fi cati on.
  - (2) - Determine cause and correct pri or to repai r or  
repl acement of part.
- AA

**SEALS**

SEAL I NSPECTI ON

**ABC123**

**Entire Article**  
2000 Chevrolet Camaro

AA  
 Condition Code Procedure

Leaking ..... A ..... (1) Require repair or replacement.

(1) - Require inspection of mating and sealing surface and repair or replace as necessary.

AA

**SERVICE PORTS**

**SERVICE PORT INSPECTION**

AA  
 Condition Code Procedure

Application does not match refrigerant type ..... B ..... Require replacement.  
 Leaking ..... A .. Require repair or replacement.  
 Threads damaged ..... A .. Require repair or replacement.  
 Threads stripped (threads missing) ..... A ..... Require replacement.  
 Valve cap leaking ..... A ... Require repair or replacement of cap.  
 Valve cap missing ..... C .... Require replacement of valve cap.  
 Valve core sticking ..... B .. Require repair or replacement.  
 AAA

**SPRING LOCK COUPLINGS**

**SPRING LOCK COUPLING INSPECTION**

AA  
 Condition Code Procedure

Leaking ..... A ..... (1) Require repair or replacement.

(1) - Require inspection of mating and sealing surface and repair or replace as necessary.

AA

**SUCTION THROTTLING VALVES (STVS)**

**SUCTION THROTTLING VALVE (STV) INSPECTION**

AA  
 Condition Code Procedure

Connection damaged ..... B .. Require repair or replacement.  
 Fitting damaged ..... B .. Require repair or replacement.  
 Inoperative ..... A ..... (1) Require repair or replacement.  
 Leaking ..... A .. Require repair or replacement.

**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

**ABC123**

**Entire Article**  
2000 Chevrolet Camaro

Threads damaged ..... A .. Require repair or replacement.  
 Threads stripped (threads  
 missing) ..... A ..... Require replacement.

(1) - Inoperative includes intermittent operation or out of  
 OEM specification.

AA

**SWITCHES (ELECTRICAL)**

SWITCH (ELECTRICAL) INSPECTION

AA

Condition	Code	Procedure
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Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
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Attaching hardware missing .....	C .....	Require replacement of hardware.
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Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.
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Binding, affecting performance .....	A ..	Require repair or replacement.
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Binding, not affecting performance .....	2 ..	Suggest repair or replacement.
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Broken .....	A ..	Require repair or replacement.
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Burned, affecting performance .....	A .....	(1) Require repair or replacement.
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Burned, not affecting performance .....	2 .....	(1) Suggest repair or replacement.
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Cracked, affecting performance .....	A ..	Require repair or replacement.
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Cracked, not affecting performance .....	1 ..	Suggest repair or replacement.
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Malfunctioning .....	A .....	(2) Require repair or replacement.
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Melted, affecting performance .....	A .....	(1) Require repair or replacement.
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Melted, not affecting performance .....	2 .....	(1) Suggest repair or replacement.
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Missing .....	C .....	(3) Require replacement.
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Out of adjustment .....	B ..	Require repair or replacement.
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Pressure switch leaking ..	A ..	Require repair or replacement.
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Terminal broken .....	A ..	Require repair or replacement.
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Terminal burned, affecting performance .....	A .....	(1) Require repair or replacement.
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Terminal burned, not

**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

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**Entire Article**  
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affecting performance ..	2 ..	Suggest repair or replacement.
Terminal corroded, affecting performance ..	A ..	Require repair or replacement.
Terminal corroded, not affecting performance ..	2 ..	Suggest repair or replacement.
Terminal loose, affecting performance ..	B ..	Require repair or replacement.
Terminal loose, not affecting performance ..	1 ..	Suggest repair or replacement.
Threads damaged ..	A ..	Require repair or replacement.
Threads stripped (threads missing) ..	A ..	Require replacement.
Won't return ..	A ..	Require repair or replacement.
Worn ..	1 ..	Suggest replacement.

- (1) - Determine cause and correct prior to repair or replacement of part.
- (2) - Includes inoperative, intermittent operation, or failure to perform all functions.
- (3) - Missing includes high pressure cut-off switches not installed during a retrofit from R12 to R134a.

AA

**TENSIONERS**

TENSIONER INSPECTION

AA

Condition	Code	Procedure
Alignment incorrect .....	B ..	Require repair or replacement.
Application incorrect ...	B ..	Require replacement.
Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.
Bearing worn .....	1 .....	Suggest replacement.
Belt tension incorrect ..	B ...	Require adjustment or repair.
Bracket cracked .....	A ..	Require repair or replacement.
Housing cracked .....	A ..	Require repair or replacement.
Missing .....	C .....	Require replacement.
Noisy .....	2 .....	Suggest replacement.
Pulley damaged, affecting belt life .....	A .....	Require replacement.
Seized .....	A ..	Require repair or replacement.

AA

**THERMISTORS AND PRESSURE SENSORS**

NOTE: Includes, but not limited to, In-Car Temperature, Ambient



**ABC123**

**Entire Article**  
2000 Chevrolet Camaro

Air Temperature, Sun Load Sensor, etc.

**THERMISTOR AND PRESSURE SENSOR INSPECTION**

AA

Condi ti on	Code	Procedure
Attachi ng hardware broken .....	A	... Requi re repair or replacem of hardware.
Attachi ng hardware mi ssi ng .....	C	... Requi re replacem of hardware.
Attachi ng hardware not functi oni ng .....	A	... Requi re repair or replacem of hardware.
Cal i brati on i ncorrect ...	B	.. Requi re repair or replacem.
Connector broken .....	A	.. Requi re repair or replacem.
Connector (Weatherpack type) leaki ng .....	A	.. Requi re repair or replacem.
Connector mel ted, affecti ng performance ..	A	..... (1) Requi re repair or replacem.
Connector mel ted, not affecti ng performance ..	2	..... (1) Suggest repair or replacem.
Connector mi ssi ng .....	C	..... Requi re replacem.
Inoperati ve .....	A	..... (2) Requi re repair or replacem.
Mi ssi ng .....	C	..... Requi re replacem.
Termi nal burned, affecti ng performance .....	A	..... (1) Requi re repair or replacem.
Termi nal burned, not affecti ng performance ...	2	.. Suggest repair or replacem.
Termi nal corroded, affecti ng performance ..	A	.. Requi re repair or replacem.
Termi nal corroded, not affecti ng performance ..	2	.. Suggest repair or replacem.
Termi nal loose, affecti ng performance .....	B	.. Requi re repair or replacem.
Termi nal loose, not affecti ng performance ..	1	.. Suggest repair or replacem.
Wi re lead burned .....	A	.. Requi re repair or replacem.
Wi re lead conductors exposed .....	B	.. Requi re repair or replacem.
Wi re lead open .....	A	.. Requi re repair or replacem.
Wi re lead shorted .....	A	.. Requi re repair or replacem.

- (1) - Determine cause and correct prior to repair or replacement of part.
- (2) - Inoperati ve i ncludes i ntermi ttent operati on or out of OEM speci fi cati on.

AA

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**Entire Article**  
2000 Chevrolet Camaro

**THERMOSTATS AND HOUSINGS**

THERMOSTAT AND HOUSING INSPECTION

AA

Condi ti on	Code	Procedure
Appli cation incorrec t . . .	B . . . . .	Requi re repl acement.
Attachi ng hardware broken . . . . .	A . . . . .	Requi re repai r or repl acement of hardware.
Attachi ng hardware corroded . . . . .	A . . . . .	Requi re repai r or repl acement of hardware.
Attachi ng hardware mi ssi ng . . . . .	C . . . . .	Requi re repl acement of hardware.
Attachi ng hardware not functi oni ng . . . . .	A . . . . .	Requi re repai r or repl acement of hardware.
Cracked . . . . .	A . . . . .	Requi re repl acement.
Housi ng corroded . . . . .	1 . . . . .	Suggest repl acement of housi ng.
Inoperati ve . . . . .	A . . . . .	(1) Requi re repl acement.
Instal lati on incorrec t . .	B . . . . .	Requi re repai r or repl acement.
Leaki ng . . . . .	A . . . . .	Requi re repai r or repl acement.
Thermostat mi ssi ng . . . . .	C . . . . .	Requi re repl acement of thermostat.
Threads damaged . . . . .	A . . . . .	Requi re repai r or repl acement.
Threads stripped (threads mi ssi ng) . . . . .	A . . . . .	Requi re repai r or repl acement.

(1) - Inoperati ve includes intermi ttent operati on or out of  
OEM speci fi cation.

AA

**VACUUM HOSES AND TUBES**

VACUUM HOSE AND TUBE INSPECTION

AA

Condi ti on	Code	Procedure
Di sconnecte d . . . . .	A . . . . .	Requi re repai r.
Leaki ng . . . . .	A . . . . .	Requi re repai r or repl acement.
Mel ted . . . . .	A . . . . .	Requi re repai r repl acement.
Mi ssi ng . . . . .	C . . . . .	Requi re repl acement.
Oi l -soaked (spongy) . . . . .	1 . . . . .	Suggest repl acement.
Restri cted . . . . .	A . . . . .	Requi re repai r or repl acement.
Routi ng incorrec t . . . . .	B . . . . .	Requi re repai r.
Surfac e cracks (dry- rotted) . . . . .	1 . . . . .	Suggest repl acement.

AA

**VACUUM RESERVOIRS**

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2000 Chevrolet Camaro

**VACUUM RESERVOIR INSPECTION**

AA		
Condition	Code	Procedure
Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.
Check valve leaking internally .....	A .....	Require replacement.
Leaking .....	A ..	Require repair or replacement.
Missing .....	C .....	Require replacement.
Restricted .....	A ..	Require repair or replacement.
AA		

**VACUUM TUBES**

See VACUUM HOSES AND TUBES.

**VALVES IN RECEIVER (VIRS)**

**VALVE IN RECEIVER (VIR) INSPECTION**

AA		
Condition	Code	Procedure
Application incorrect ...	B .....	Require replacement.
Attaching hardware broken .....	A ...	Require repair or replacement of hardware.
Attaching hardware missing .....	C .....	Require replacement of hardware.
Attaching hardware not functioning .....	A ...	Require repair or replacement of hardware.
Bracket bent, affecting performance .....	A ..	Require repair or replacement.
Bracket bent, not affecting performance .. ..	.....	No service suggested or required.
Bracket broken, affecting performance .....	A .....	Require replacement.
Bracket broken, not affecting performance .. ..	.....	No service suggested or required.
Bracket corroded, affecting performance ..	A ..	Require repair or replacement.
Bracket corroded, not affecting performance ..	2 ..	Suggest repair or replacement.

**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

**ABC123**

**Entire Article**  
2000 Chevrolet Camaro

Bracket cracked, affecting performance .....	A ..	Require repair or replacement.
Bracket cracked, not affecting performance ..	1 ..	Suggest repair or replacement.
Bracket holes elongated, affecting performance ..	A ..	Require repair or replacement.
Bracket holes elongated, not affecting performance .....	.....	No service suggested or required.
Bracket loose, affecting performance .....	A ..	Require repair or replacement.
Bracket loose, not affecting performance ..	1 ..	Suggest repair or replacement.
Bracket missing .....	C .....	Require replacement.
Connection damaged .....	B ..	Require repair or replacement.
Contaminated, affecting performance .....	A .....	Require replacement.
Corroded internally .....	1 .....	Suggest replacement.
Dessicant bag deteriorated .....	A .....	(1) Require replacement. Further inspection required.
Dessicant at the end of its useful life (saturated with moisture) .....	1 ..	Suggest repair or replacement.
Filter screen torn .....	A ..	Require replacement of screen.
Fitting damaged .....	B ..	Require repair or replacement.
Fusible plug leaking .....	A .....	Require replacement of plug.
Inoperative .....	A .....	(2) Require repair or replacement.
Leaking .....	A ..	Require repair or replacement.
Pressure relief device leaking .....	A ..	Require replacement of pressure relief device.
Restricted .....	A ..	Require repair or replacement.
Sight glass no longer transparent .....	2 ...	Suggest replacement of drier.
Threads damaged .....	A ..	Require repair or replacement.
Threads stripped (threads missing) .....	A .....	Require replacement.
Tubing connection leaking .....	A ..	Require repair or replacement.

- (1) - Inspect system to determine effects of dessicant bag deterioration.
- (2) - Inoperative includes intermittent operation or out of OEM specification.

AA

**WATER PUMPS (ELECTRIC AUXILIARY)**

WATER PUMP (ELECTRIC AUXILIARY) INSPECTION

AA

**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

**ABC123**

**Entire Article**  
2000 Chevrolet Camaro

Condi ti on	Code	Procedure
Attachi ng hardware broken .....	A ...	Requi re repai r or repl acement of hardware.
Attachi ng hardware mi ssi ng .....	C .....	Requi re repl acement of hardware.
Attachi ng hardware not functi oni ng .....	A ...	Requi re repai r or repl acement of hardware.
Connector broken .....	A ..	Requi re repai r or repl acement.
Connector (Weatherpack type) leaki ng .....	A ..	Requi re repai r or repl acement.
Connector mel ted, affecti ng performance ..	A .....	(1) Requi re repai r or repl acement.
Connector mel ted, not affecti ng performance ..	2 .....	(1) Suggest repai r or repl acement.
Connector mi ssi ng .....	C .....	Requi re repl acement.
Inoperati ve .....	A .....	(2) Requi re repl acement.
Leaki ng .....	A ..	Requi re repai r or repl acement.
Mi ssi ng .....	C .....	Requi re repl acement.
Noi sy .....	2 .....	Suggest repl acement.
Termi nal broken .....	A ..	Requi re repai r or repl acement.
Termi nal burned, affecti ng performance .....	A .....	(1) Requi re repai r or repl acement.
Termi nal burned, not affecti ng performance ..	2 ..	Suggest repai r or repl acement.
Termi nal corroded, affecti ng performance ..	A ..	Requi re repai r or repl acement.
Termi nal corroded, not affecti ng performance ..	2 ..	Suggest repai r or repl acement.
Termi nal loose, affecti ng performance .....	B ..	Requi re repai r or repl acement.
Termi nal loose, not affecti ng performance ..	1 ..	Suggest repai r or repl acement.
Vi brati on .....	1 ..	Suggest repl acement.
Wi re lead conductors exposed .....	B ..	Requi re repai r or repl acement.
Wi re lead corroded .....	A ..	Requi re repai r or repl acement.
Wi re lead open .....	A ..	Requi re repai r or repl acement.
Wi re lead shorted .....	A ..	Requi re repai r or repl acement.

(1) - Determine cause and correct prior to repair or replacement of part.

(2) - Inoperati ve includes i ntermi tte nt operati on or out of OEM speci fi cati on.

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**WIRING HARNESSES AND CONNECTORS**

**\* A/C-HEATER SYSTEM UNIFORM INSPECTION GUIDELINES \***

**ABC123**

**Entire Article**  
2000 Chevrolet Camaro

WI R I N G H A R N E S S A N D C O N N E C T O R I N S P E C T I O N

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Condi ti on	Code	Procedure
Appli cation incorrec t Attachi ng hardware	... B ..	Requi re repai r or repl acement.
broken .....	A ...	Requi re repai r or repl acement of hardware.
Attachi ng hardware mi ssi ng .....	C .....	Requi re repl acement of hardware.
Attachi ng hardware not functi oni ng .....	A ...	Requi re repai r or repl acement of hardware.
Connector broken .....	A ..	Requi re repai r or repl acement.
Connector (Weatherpack type) leaki ng .....	A ..	Requi re repai r or repl acement.
Ci rcui t open .....	A ..	Requi re repai r or repl acement.
Ci rcui t resi stance (vol tage drop) out of speci fi cation .....	A ..	Requi re repai r or repl acement.
Ci rcui t shorted .....	A ..	Requi re repai r or repl acement.
Connector mel ted, affecti ng performance ..	A .....	(1) Requi re repai r or repl acement.
Connector mel ted, not affecti ng performance ..	2 .....	(1) Suggest repai r or repl acement.
Connector mi ssi ng .....	C .....	Requi re repl acement.
Di ode open .....	A ..	Requi re repai r or repl acement.
Di ode shorted .....	A ..	Requi re repai r or repl acement.
I nsul ati on damaged, conductor s exposed .....	A ..	Requi re repai r or repl acement.
I nsul ati on damaged, conductor s not exposed ..	1 .....	Suggest repl acement.
Protecti ve shi el d (condui t) mel ted .....	B .....	(1) Requi re repl acement.
Protecti ve shi el d (condui t) mi ssi ng .....	C .....	Requi re repl acement.
Routed incorrec tly .....	B .....	Requi re repai r.
Secured incorrec tly .....	B .....	Requi re repai r.
Termi nal broken .....	A ..	Requi re repai r or repl acement.
Termi nal burned, affecti ng performance .....	A .....	(1) Requi re repai r or repl acement.
Termi nal burned, not affecti ng performance ..	2 ..	Suggest repai r or repl acement.
Termi nal corroded, affecti ng performance ..	A ..	Requi re repai r or repl acement.
Termi nal corroded, not affecti ng performance ..	2 ..	Suggest repai r or repl acement.
Termi nal loose, affecti ng performance .....	B ..	Requi re repai r or repl acement.
Termi nal loose, not		

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affecting performance ... 1 ... Suggest repair or replacement.  
Voltage drop out of  
specification ..... A ... Require repair or replacement.

(1) - Determine cause and correct prior to repair or  
replacement of part.

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**END OF ARTICLE**