DI3F3–08

# PROBLEM SYMPTOMS TABLE

## FRONT A/C

| Symptom | Suspect Area | See page |
|---|---|---|
| Whole does not operate | 1. IG power source circuit | DI–1588 |
| | 2. A/C amplifier | DI–1525 |
| | 3. EMV | DI–1410 |
| Air Flow Control: No blower operation | 1. Heater main relay | AC–95 |
| | 2. Blower motor circuit | DI–1591 |
| | 3. A/C amplifier | DI–1525 |
| | 4. Blower motor controller | AC–81 |
| Air Flow Control: No blower control | 1. Blower motor circuit | DI–1591 |
| | 2. A/C amplifier | DI–1525 |
| | 3. Solar sensor circuit | DI–1552 |
| | 4. Blower motor controller | AC–81 |
| Air Flow Control: Insufficient air flow | 1. Blower motor circuit | DI–1591 |
| | 2. Blower motor controller | AC–81 |
| Temperature Control: No cool air comes out | 1. Refrigerant volume | AC–22 |
| | 2. Drive belt tension | AC–15 |
| | 3. Refrigeration system inspection with manifold gauge set | AC–3 |
| | 4. Compressor circuit | DI–1594 |
| | 5. Pressure switch circuit | DI–1558 |
| | 6. Front air mix damper position sensor circuit | DI–1564 |
| | 7. Front air mix damper control servomotor circuit | DI–1573 |
| | 8. Front room temp. sensor circuit | DI–1532 |
| | 9. Ambient temp. sensor circuit | DI–1535 |
| | 10. A/C amplifier | DI–1525 |
| | 11. ECM | DI–31 |
| Temperature Control: No warm air comes out | 1. Front air mix damper position sensor circuit | DI–1564 |
| | 2. Front air mix damper control servomotor circuit | DI–1573 |
| | 3. Front room temp. sensor circuit | DI–1532 |
| | 4. Ambient temp. sensor circuit | DI–1535 |
| | 5. Front evaporator temp. sensor circuit | DI–1538 |
| | 6. A/C amplifier | DI–1525 |
| Temperature Control: Output air is warmer or cooler than the set temperature, or response is slow | 1. Refrigerant volume | AC–22 |
| | 2. Drive belt tension | AC–15 |
| | 3. Refrigeration system inspection with manifold gauge set | AC–3 |
| | 4. Solar sensor circuit | DI–1552 |
| | 5. Front room temp. sensor circuit | DI–1532 |
| | 6. Ambient temp. sensor circuit | DI–1535 |
| | 7. Front Evaporator temp. sensor circuit | DI–1538 |
| | 8. Front air mix damper position sensor circuit | DI–1564 |
| | 9. Front air mix damper control servomotor circuit | DI–1573 |
| | 10. Front air inlet damper position sensor circuit | DI–1567 |
| | 11. Front air inlet damper control servomotor circuit | DI–1576 |
| | 12. Condenser | AC–68 |
| | 13. Evaporator | AC–73 |
| | 14. Heater radiator | AC–42 |
| | 15. Expansion valve | AC–23 |
| | 16. A/C amplifier | DI–1525 |
| | 17. ECM | DI–31 |

| Symptom | Suspect Area | See page |
|---|---|---|
| Temperature Control: No temperature control (only Max. cool or Max. warm) | 1. Front room temp. sensor circuit<br>2. Ambient temp. sensor circuit<br>3. Front air mix damper position sensor circuit<br>4. Front air mix damper control servomotor circuit<br>5. A/C amplifier | DI–1532<br>DI–1535<br>DI–1564<br>DI–1573<br>DI–1525 |
| No air inlet control | 1. Front air inlet damper position sensor circuit<br>2. Front air inlet damper control servomotor circuit<br>3. Exhaust gas sensor<br><br>4. A/C amplifier | DI–1567<br>DI–1576<br>DI–1546<br>DI–1582<br>DI–1525 |
| No air flow control | 1. Air outlet damper position sensor circuit<br>2. Air outlet damper control servomotor circuit<br>3. A/C amplifier | AC–85<br>AC–85<br>DI–1525 |
| Engine idle up does not occur, or is continuous | 1. Compressor circuit<br>2. ECM | DI–1594<br>DI–31 |

## REAR A/C

| Symptom | Suspect Area | See page |
|---|---|---|
| Whole functions does not operate | 1. Rear A/C amplifier<br>2. IG power source circuit | IN–36<br>DI–1588 |
| Air Flow Control: No blower operation | 1. IG power source circuit<br>2. Rear heater main relay<br>3. Rear blower motor<br>3. Rear blower resister<br>4. Rear A/C amplifier | DI–1588<br>AC–96<br>AC–45<br>–<br>IN–36 |
| Air Flow Control: No blower control | 1. Rear heater main relay<br>2. Rear blower motor<br>3. Rear blower resister<br>4. Rear A/C amplifier<br>5.Solar sensor circuit | AC–96<br>AC–45<br>–<br>IN–36<br>DI–1552 |
| Air Flow Control: Insufficient air flow | 1. Rear blower motor<br>2. Rear blower resister | AC–45<br>– |
| Temperature Control: No cool air comes out | 1. Refrigerant volume<br>2. Drive belt tension<br>3. Refrigeration system inspection with manifold gauge set<br>4. Compressor circuit<br>5. Pressure switch circuit<br>6. Rear air mix damper position sensor circuit<br>7. Rear air mix damper control servomotor circuit<br>8. Rear room temp. sensor circuit<br>9. Ambient temp. sensor circuit<br>10. Rear A/C amplifier | AC–22<br>AC–15<br>AC–3<br>DI–1594<br>DI–1558<br>DI–1570<br>DI–1579<br>DI–1549<br>DI–1535<br>IN–36 |
| Temperature Control: No warm air comes out | 1. Rear air mix damper position sensor circuit<br>2. Rear air mix damper control servomotor circuit<br>3. Rear room temp. sensor circuit<br>4. Ambient temp. sensor circuit<br>5. Rear evaporator temp. sensor circuit<br>6. Rear A/C amplifier | DI–1570<br>DI–1579<br>DI–1549<br>DI–1535<br>DI–1543<br>IN–36 |
| Temperature Control: Output air is warmer or cooler than the set temperature or response is slow | 1. Refrigerant volume<br>2. Drive belt tension<br>3. Refrigeration system inspection with manifold gauge set<br>4. Solar sensor circuit<br>5. Rear room temp. sensor circuit<br>6. Ambient temp. sensor circuit<br>7. Rear evaporator temp. sensor circuit<br>8. Rear air mix damper position sensor circuit<br>9. Rear air mix damper control servomotor circuit<br>10. Condenser<br>11. Evaporator<br>12. Heater radiator<br>13. Expansion valve<br>14. Rear A/C amplifier | AC–22<br>AC–15<br>AC–3<br>DI–1552<br>DI–1549<br>DI–1535<br>DI–1543<br>DI–1570<br>DI–1579<br>AC–68<br>AC–29<br>AC–45<br>AC–29<br>IN–36 |
| Temperature Control: No temperature control (only Max. cool or Max. warm) | 1. Rear room temp. sensor circuit<br>2. Ambient temp. sensor circuit<br>3. Rear air mix damper position sensor circuit<br>4. Rear air mix damper control servomotor circuit<br>5. Rear A/C amplifier | DI–1549<br>DI–1535<br>DI–1570<br>DI–1579<br>IN–36 |