

# MITSUBISHI

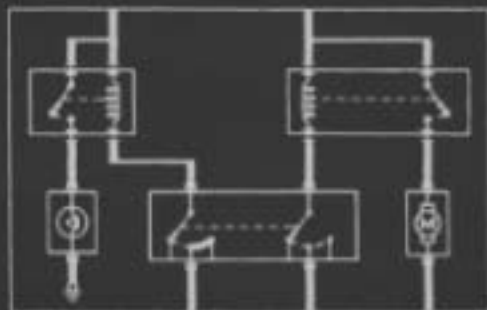
## LANCER

### *Evolution VIII*

### **MR**

## SERVICE MANUAL

# ELECTRICAL WIRING DIAGRAMS



Supplement

'04-2

No. 1036K80

GH-CT9A

# LANCER EVOLUTION VIII MR

## FOREWARD

This manual contains information about the main changes in the 2004 Lancer Evolution VIII MR. It only covers those points that are different from the previous model. Therefore, when inspecting or repairing electrical parts, this manual should be used in conjunction with the related documents listed on the following pages, if necessary.

This manual contains various different types of wiring diagrams and circuit diagrams, but it should be remembered that these may not always coincide with the exact specifications of each individual vehicle.

This manual is based on the vehicle specifications as of February 2004.

Please note that future vehicles may not match the contents of this manual completely, due to changes in specifications, or the like.

The units shown in this manual are the standard international SI units. Conventional units are not included.

Any opinions, requests, or questions concerning this manual, should be written on the 'Servicing Comments Form' at the end, and sent to us by fax.

February 2004

 MITSUBISHI MOTOR CORPORATION

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General

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Wiring Diagrams

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## Related documentation

Title of Document	No.	Date of Issue	Title of Document	No.	Date of Issue
<b>New Vehicle Manuals</b> • Mirage, Lancer • Mirage, Lancer • Mirage, Lancer • Mirage, Lancer • Mirage • Mirage, Lancer • Lancer • Lancer • Lancer Cedia • Lancer Cedia • Lancer Evolution VII • Lancer Cedia • Lancer Evolution VII • Lancer Cedia • Lancer Evolution VIII • Lancer • Lancer • Lancer Evolution VIII MR	1036F30 1036F31 1036F32 1036F33 1036F34 1036F35 1036F36 1036F37 1036K30 1036K31 1036K32 1036K33 1036K34 1036K35 1036K36 1036K37 1036K38 1036K39 1036K40	Oct 1995 Jan 1996 Aug 1996 Jul 1997 Jan 1998 Oct 1998 Jan 1999 Dec 1999 May 2000 July 2000 Jan 2001 May 2001 Oct 2001 Jan 2002 May 2002 Jan 2003 Feb 2003 Dec 2003 Feb 2004	<b>Body Manuals (Service Manual)</b> • Mirage, Lancer (supplement) • Lancer Cedia • Lancer Cedia (supplement) • Lancer Evolution VII (supplement) • Lancer Cedia (supplement) • Lancer (supplement) • Lancer Evolution VIII MR (supplement)	1036F52 1036K50 1036K51 1036K52 1036K53 1036K54 1036K55	Aug 1996 May 2000 July 2000 May 2001 Oct 2001 Feb 2003 Feb 2004
			<b>Electrical Wiring Diagrams Service Manual</b> • Lancer Evolution VIII	1036K77	Jan 2003
			<b>Engine Service Manual</b> • 4G6 Engine • 4G6 Engine (supplement)	1039G46 1039G63	Jan 2001 Jan 2003
<b>Service Manuals</b> • Lancer Cedia • Lancer Cedia (supplement) • Lancer Evolution VII (supplement) • Lancer Cedia (supplement) • Lancer Cedia (supplement) • Lancer Evolution VII (supplement) • Lancer Cedia (supplement) • Lancer Evolution VIII (supplement) • Lancer (supplement) • Lancer (supplement) • Lancer Evolution VIII MR (supplement)	1036K00 1036K01 1036K02 1036K03 1036K04 1036K05 1036K06 1036K07 1036K08 1036K09 1036K10	May 2000 July 2000 Jan 2001 May 2001 Oct 2001 Jan 2002 May 2002 Jan 2003 Feb 2003 Dec 2003 Feb 2004	<b>Transmission Service Manual</b> • W5M51 Manual Transmission • W5M51 Manual Transmission (supplement) • W6MAA Manual Transmission	1039M17 1039M22 1039M23	Jan 2001 Jan 2003 Jan 2003

### Cautionary Note regarding servicing of vehicles fitted with SRS airbags and/or seatbelts with pre-tensioner systems.

#### Warnings:

1. Incorrect inspection or servicing of a component part of the SRS airbag system or seatbelt pre-tensioner system, or a part relating to these systems, may cause accidental operation (deployment) of the SRS airbag or seatbelt pre-tensioners, or may cause these systems to be disabled, leading in either case the risk of serious injury.
2. If parts may be affected by heat during painting operations, then those parts must be removed in advance. This applies to the SRS-ECU, airbag modules (driver's seat and front passenger's seat), clock springs, front impact sensors, side impact sensors, and pre-tensioner seatbelts.
  - 93°C or above : SRS-ECU, airbag modules (driver's seat and front passenger's seat), clock springs, front impact sensors, side impact sensors
  - 90°C or above : Pre-tensioner seatbelts
3. The component parts of the SRS airbag system or seatbelt pre-tensioner system, and parts relating to these systems, must always be inspected and serviced by a Mitsubishi dealer.
4. Service personnel must read the relevant service manuals (particularly, Section 52B – SRS Airbags) carefully and thoroughly, before inspecting or servicing the component parts of the SRS airbag system or seatbelt pre-tensioner system, and parts relating to these systems.

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SECTION 0

# GENERAL INFORMATION

CONTENTS

<b>Vehicle Identification .....</b>	<b>0-2</b>	<b>Details of Changes .....</b>	<b>0-2</b>
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## VEHICLE IDENTIFICATION

M3000000100845

Model code	Class code	2004 code	Grade	Engine model	Transmission model	Fuel supply system
GH-CT9A	SNDFZ	○	RS	4G63 (2000 DOHC 16-valve intercooler turbo)	W5M51 (4WD, 5M/T)	MPI
	SJDFZ	○	RS		W6MAA (4WD, 6M/T)	
	SJGFZ	○	GSR			

Note: ○ denotes a continued model

## IMPLEMENTATION CODE

M3000001000584

GH-CT9A ; CT9A-0300001 ~

## DETAILS OF CHANGES

## Wiring diagrams

M3000003000159

Connector Code	Name	Page	Details of Change
B	Engine transmission	p.1-2	<ul style="list-style-type: none"> <li>• Due to changes in the engine control system, the name of the wastegate solenoid valve (B-30) has been changed to "wastegate solenoid valve 1", and an additional wastegate solenoid valve 2 (B-32) has been added.</li> </ul>
C	Instrument panel	p.1-4	<ul style="list-style-type: none"> <li>• The 4WD-ECU (C-37, 38) has been moved from the instrument panel harness to the control harness.</li> <li>• With the removal of the DVD-MMCS, the following connectors have been removed. <ul style="list-style-type: none"> <li>• Multi-centre display (C-11, 12)</li> <li>• Navigation unit (C-47)</li> </ul> </li> <li>The immobiliser ECU (C-54) has also been removed, due to changes in the engine immobiliser system.</li> <li>• With the removal of the DVD-MMCS, the following connectors have been removed. <ul style="list-style-type: none"> <li>• Audio unit (C-102)</li> <li>• Hazard switch (C-105)</li> </ul> </li> </ul>
F	Boot interior	p.1-6	<ul style="list-style-type: none"> <li>• Spare connector (F-28) added.</li> </ul>

## Component installation positions

M3000004000141

Changed part	Page	Details of change
ECU	p.2-2	<ul style="list-style-type: none"> <li>• With changes in the engine immobiliser system, the installation position of the immobiliser ECU has been changed.</li> </ul>
Solenoid valve	p.2-2	<ul style="list-style-type: none"> <li>• With the addition of the wastegate solenoid valve 2, a new installation point has been provided.</li> </ul>

## Circuit diagrams

M3000004500157

Main circuit	Name of circuit	Page	Details of change
J/C	-	p.3-2	<ul style="list-style-type: none"> <li>Partial changes to circuit and destination system names in J/C(1) — (6)</li> </ul>
	-		<ul style="list-style-type: none"> <li>With the introduction of manual air conditioning, the circuit used by the fusible link No.2 has been changed.</li> <li>Wastegate solenoid valve 2 added to load of special fuse No.3.</li> <li>Rating of special fuse No.10 changed from 15A to 20A.</li> </ul>
Power supply	-	p.3-10	<ul style="list-style-type: none"> <li>Partial changes to destination system names.</li> <li>Earth No.13 added.</li> <li>Rating of special fuse No.10 changed from 15A to 20A.</li> <li>Partial changes to circuit details, due to removal of sunroof.</li> </ul>
Engine control	-	p.3-16	<ul style="list-style-type: none"> <li>Rating of special fuse No.10 changed from 15A to 20A.</li> <li>Earth No.13 added.</li> <li>Some changes to circuit, due to addition of wastegate solenoid valve 2 (B-32).</li> <li>Partial changes, due to removal of DVD-MMCS</li> </ul>
Lighting	Interior lights, boot interior light, ignition key cylinder illumination light, door not closed indicator light	-	<ul style="list-style-type: none"> <li>Change to terminal number in J/C(2) (C-119) on line linking ETACS and diagnosis connector. (No.1 → No.5)</li> </ul>
Signal	Reversing lights	-	<ul style="list-style-type: none"> <li>Change to terminal number in J/C(2) (C-119) on line linking reversing light and rear combination light (LH). (No.18 → No.19)</li> </ul>
	Stop lights	p.3-24	<ul style="list-style-type: none"> <li>Spare connector (F-28) added, and circuit partially changed.</li> </ul>
Meters	Meters / Gauges	-	<ul style="list-style-type: none"> <li>Change to terminal number in J/C(1) (C-07) on line inking J/B (general fuse No.18) and combination meter. (No.4 → No.8)</li> <li>Change to terminal number in J/C(4) (C-110) on line linking combination meter and fuel gauge unit (sub). (No.20 → No.21)</li> </ul>
	Remaining fuel warning light, oil pressure warning light, brake warning light, seatbelt warning light	-	
Door opening control	Electric windows	-	<ul style="list-style-type: none"> <li>Change to terminal number in J/C(2) (C-119) on line linking power window main switch and diagnosis connector. (No.12 → No.14)</li> </ul>
Air conditioning	Fully automatic air conditioning	-	<ul style="list-style-type: none"> <li>Change to terminal number in J/C(1) (C-07) on line linking J/B (general fuse No. 18) and A/C-ECU. (No.6 → No.4)</li> <li>Change to terminal number in J/C(5) (C-06) on line linking A/C-ECU and diagnosis connector. (No.8 → No.9)</li> </ul>
	Manual air conditioning	p.3-26	<ul style="list-style-type: none"> <li>With the adoption of manual air conditioning, a new circuit has been installed.</li> </ul>
Safety and visibility	Windscreen wipers and washers	-	<ul style="list-style-type: none"> <li>Change to terminal number in J/C(2) (C-119) on line linking ETACS and diagnosis connector. (No.1 → No.5)</li> </ul>
	Electric retractable remote control door mirrors	-	

Main circuit	Name of circuit	Page	Details of change
Accessories	Spare Audio connectors	-	<ul style="list-style-type: none"> <li>Change to terminal number in J/C(1) (C-07) on line inking J/B (general fuse No.18) and spare audio connector. (No.3 → No.7)</li> </ul>
	Clock	-	<ul style="list-style-type: none"> <li>Change to terminal number in J/C(1) (C-07) on line inking J/B (general fuse No.18) and clock. (No.2 → No.6)</li> </ul>
Special Equipment	ABS	p.3-32	<ul style="list-style-type: none"> <li>Circuit changed due to change in branching point of connector for 4WD-ECU (C-37) (C-38) (from instrument panel harness to control harness).</li> <li>J/C(6) (C-23) added between ABS-ECU and 7<sup>th</sup> terminal of junction connector (C-20) between instrument panel harness and control harness.</li> <li>J/C(6) (C-23) added between ABS-ECU and 22<sup>nd</sup> terminal of junction connector (C-22) between instrument panel harness and control harness.</li> </ul>
	ACD (Vehicles not fitted with AYC)	p.3-40	
	ACD, AYC	p.3-48	<ul style="list-style-type: none"> <li>Circuit changed due to change in branching point of connector for 4WD-ECU (C-37) (C-38) (from instrument panel harness to control harness).</li> <li>Earth No.13 added</li> <li>J/C(6) (C-23) added between 4WD-ECU and 7<sup>th</sup> terminal of junction connector (C-20) between instrument panel harness and control harness.</li> <li>J/C(6) (C-23) added between 4WD-ECU and 22<sup>nd</sup> terminal of junction connector (C-22) between instrument panel harness and control harness.</li> </ul>
	Intercooler water spray	-	<ul style="list-style-type: none"> <li>Change to terminal number in J/C(1) (C-07). (No.12 → No.21).</li> </ul>
	Engine immobiliser system	p.3-58	<ul style="list-style-type: none"> <li>Partial changes due to removal of DVD-MMCS.</li> <li>Partial changes to circuit, due to change in installation point of immobiliser ECU.</li> </ul>
	Spare general connectors	-	<ul style="list-style-type: none"> <li>Change to terminal numbers in J/C(1) (C-07) on line linking J/B (general fuse No.18) / special fuse No.15, and general spare connectors. (No.7 → No.5), (No.21 → No.12).</li> </ul>