



# SERVICE BULLETIN

AFTERSALES SERVICE OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CORRECTION	ISSUE NO. : MSB-08E23-504	DATE : 2008-02-05
SUBJECT : TORQUE CONVERTER STALL TORQUE RATIO FOR W6AJA AUTOMATIC TRANSMISSION	<div> <div>&lt;MODEL&gt;</div> <div>(EUR/RUSSIA)</div> <div>OUTLANDER</div> <div>(GS45X)(CW0W)</div> </div> <div> <div>&lt;M/Y&gt;</div> <div>07-</div> </div>	
GROUP : AUTOMATIC TRANSMISSION		

## 1. Description:

The stall torque ratio of the torque converter for the OUTLANDER equipped with W6AJA automatic transmission has been incorrect in the applicable Workshop Manuals. This Service Bulletin contains the modified value.

## 2. Applicable Manuals:

### <EUR>

Manual	Pub. No.	Title (Info-ID)	Attachment
2008 OUTLANDER Workshop Manual CD-ROM	CGXE08E2-CD (English) CGXS08E2-CD (Spanish) CGXF08E2-CD (French) CGXG08E2-CD (German)	GENERAL INFORMATION (M231-00-010-66700-01)	Attachment 1

### <RUSSIA>

Underneath Manual	Underneath Pub. No.	Title (Info-ID)	Attachment
2007 OUTLANDER Workshop Manual CD-ROM	N/A	GENERAL INFORMATION (M123-00-010-62300-01)	Attachment 1
		GENERAL SPECIFICATION (M123-30-002-00831-01)	Attachment 2

## 3. Corrected Specifications:

See Attachments 1 and 2.

**AUTOMATIC TRANSMISSION (FF)  
GENERAL INFORMATION**

## GENERAL INFORMATION

W6AJA models have been established.

Transmission model		W6AJA
Drive type		4WD
Torque converter	Model	3-element, 1-stage, 2-phase
	Stall torque ratio	<del>1.83</del> <Incorrect> ← <span style="border: 1px solid red; padding: 2px;">1.96</span> <Correct>
	Lock-up	Present
Shift position		P-R-N-D + sport mode
Transmission type		Forward 6-speed, reverse 1-stage
Front and rear switching		Single pinion x 2 (front, rear) Double pinion x 1 (reduction) <Based on lepellecier system>
Clutch and brake		Clutch x 3 (low clutch, 3-5 reverse clutch, high clutch) Brake x 2 (2-6 brake, low and reverse brake)
Oil pump		Trochoid type
Maximum hydraulic pressure		2.0 MPa
Torque capacity		320 N·m
Solenoid valve		Linear x 6 pieces ON/OFF x 2 pieces
Transmission ratio	1st	4.199
	2nd	2.405
	3rd	1.583
	4th	1.161
	5th	0.855
	6th	0.685
	Reverse	3.457
Primary reduction ratio: A		1.071
Final reduction ratio: B		3.333
A × B		3.571
Weight (including A/T fluid)		Approximately 103 kg
A/T fluid		DIA QUEEN ATF-J2

## SERVICE SPECIFICATION(S)

Item		Standard value
A/T fluid temperature sensor kΩ	at 10°C	Approx. 6.62
	at 25°C	Approx. 3.51
	at 80°C	Approx. 0.55
	at 110°C	Approx. 0.25

**AUTOMATIC TRANSMISSION OVERHAUL  
GENERAL INFORMATION**

## GENERAL INFORMATION

### AUTOMATIC TRANSMISSION MODEL

Transmission model	Applicable engine	Vehicle model
W6AJA-1-F7ZA	6B31 S4-MIVEC	CW6W

## GENERAL SPECIFICATIONS

Item		Specifications
Model		W6AJA-1-F7ZA
type		Electronically controlled 6-speed full-automatic
Torque converter	type	3-element with torque converter clutch
	Stall torque ratio	<span style="border: 1px solid red; padding: 2px;">1.99</span> <Incorrect> ← <span style="border: 1px solid red; padding: 2px;">1.96</span> <Correct>
Gear ratio	1st	4.199
	2nd	2.405
	3rd	1.583
	4th	1.161
	5th	0.855
	6th	0.685
	Reverse	3.457
Final gear ratio		3.571
Transfer	Type	Center differential type full-time 4WD
	Transfer gear ratio	0.425

## SERVICE SPECIFICATIONS

Item	Standard value mm
Low-reverse brake clearance	1.9 – 2.2
3-5 reverse clutch clearance	1.9 – 2.2
High clutch clearance	1.0 – 1.3
Low clutch clearance	1.0 – 1.3
2-6 brake clearance	1.9 – 2.2
Differential preload	0.19 – 0.25
Reduction gear preload	0.16 – 0.22
Side cover end play	0.7 – 1.05
Drum support end play	0 – 0.35
3-5 reverse clutch end play	0.55 – 0.85