

SERVICE BULLETIN

AFTERSALES SERVICE OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE: INFORMATION	URPOSE: INFORMATION ISSUE NO.: MSB-09E23-001		
SUBJECT : REDUCTION GE	<model></model>	<m y=""></m>	
GROUP : AUTOMATIC TRANSMISSION		(EUR/RUSSIA) See following 2. Applicable Manuals to	able.

1. Description:

For the F/W1CJA transmission, the standard value of the reduction gear preload and the setting of adjusting shims are changed. This Service Bulletin contains the changed descriptions.

2. Applicable Manuals:

See Attached sheets 1 and 2.

There may be some attached sheets not included in this Service Bulletin because they are not applicable to your market. Their sheet numbers are not listed in the above table.

1

3. Interchangeability:

Interchangeable

4. Effective Date:

From June 8, 2008

5. Details:

- Standard value of reduction gear preload
 <Current> 0.13 0.19 mm → <New> 0.11 0.17 mm
- Adjusting shims
 Deleted
 2.04 2.24 mm (6 pieces)
 Added
 0.56 0.60 mm (2 pieces)

Attached sheet 1

<EUR>

Manual/Model	<m y=""></m>	Pub. No.	Title (Info-ID)	Attached Sheet	
2008 OUTLANDER Workshop Manual	08	CGXE08E2-CD (English)	Service Specifications (M233-20-200-23500-01)	Attached sheet 11, 12	
(4HN information added) (GS45X)(CW0W)		CGXS08E2-CD (Spanish) CGXF08E2-CD (French)	Snap Ring, Spacer and Thrust Washer Adjustment (M233-20-400-24200-01)		
		CGXG08E2-CD (German)	Transmission Disassembly and Reassembly (M233-20-800-37400-01)	Attached sheet 13	
2008 LANCER Workshop Manual	08	CG1E08E2-CD (English)	Service Specifications (M233-20-200-27900-01)	Attached sheet 14, 15, 16	
(GS41)(ĆY0A)		CG1S08E2-CD (Spanish) CG1F08E2-CD (French)	Snap Ring, Spacer and Thrust Washer Adjustment (M233-20-400-29700-01)		
		CG1G08E2-CD (German)	Transmission Disassembly and Reassembly (M233-20-800-41500-01)	Attached sheet 17	
2009 LANCER SPORTBACK Workshop Manual	09	CG4E09E1-CD (English)	Service Specifications (M233-20-200-17200-01)	Attached sheet 8, 9	
(GS44S)(CX0A)		CG4S09E1-CD (Spanish) CG4F09E1-CD (French)	Snap Ring, Spacer and Thrust Washer Adjustment (M233-20-400-32700-01)		
		CG4G09E1-CD (German) CG4I09E1-CD (Italian)	Transmission Disassembly and Reassembly (M233-20-800-60800-01)	Attached sheet 10	
2009 OUTLANDER Workshop Manual	09	CGXE09E1-CD (English)	Service Specifications (M233-20-200-28000-01)	Attached sheet 11, 12	
(GS45X)(CW0W)		CGXS09E1-CD (Spanish) CGXF09E1-CD (French)	Snap Ring, Spacer and Thrust Washer Adjustment (M233-20-400-30500-01)		
		CGXG09E1-CD (German) CGXI09E1-CD (Italian)	Transmission Disassembly and Reassembly (M233-20-800-58900-01)	Attached sheet 13	
2009 LANCER Workshop Manual	09	CG1E09E1-CD (English)	Service Specifications (M233-20-200-27900-01)	Attached sheet 8, 9	
(GS41)(ĆY0A)	(Spanish) CG1F09E1-CD (French)		(Spanish) Snap Ring, Spacer and CG1F09E1-CD Thrust Washer Adjustm	Thrust Washer Adjustment (M233-20-400-29700-01)	
		CG1G09E1-CD (German) CG1I09E1-CD (Italian)	Transmission Disassembly and Reassembly (M233-20-800-59000-01)	Attached sheet 10	

<RUSSIA>

Underneath Manual/Model	<m y=""></m>	Underneath Pub. No.	Title (Info-ID)	Attached Sheet			
2008 OUTLANDER Workshop Manual	08	08 N/A	Service Specifications (M233-20-200-23500-01)	Attached sheet 11, 12			
(4HN information added) (GS45X)(CW0W)			Snap Ring, Spacer and Thrust Washer Adjustment (M233-20-400-24200-01)				
			Transmission Disassembly and Reassembly (M233-20-800-37400-01)	Attached sheet 13			
2008 LANCER Workshop Manual	08	N/A	Service Specifications (M233-20-200-27900-01)	Attached sheet 14, 15, 16			
(GS41)(CY0A)			Snap Ring, Spacer and Thrust Washer Adjustment (M233-20-400-29700-01)				
			Transmission Disassembly and Reassembly (M233-20-800-41500-01)	Attached sheet 17			
			Service Specifications (M233-20-200-17200-01)	Attached sheet 8, 9			
		Snap Ring, Spacer and Thrust Washer Adjustment (M233-20-400-22000-01)					
			Transmission Disassembly and Reassembly (M233-20-800-32900-01)	Attached sheet 10			
2009 LANCER SPORTBACK Workshop Manual	09	N/A	Service Specifications (M233-20-200-17200-01)	Attached sheet 8, 9			
(GS44S)(CX0A)						Snap Ring, Spacer and Thrust Washer Adjustment (M233-20-400-32700-01)	
			Transmission Disassembly and Reassembly (M233-20-800-60800-01)	Attached sheet 10			
2009 OUTLANDER Workshop Manual	09	09 N/A	Service Specifications (M233-20-200-28000-01)	Attached sheet 11, 12			
(GS45X)(CW0W)			Snap Ring, Spacer and Thrust Washer Adjustment (M233-20-400-30500-01)				
			Transmission Disassembly and Reassembly (M233-20-800-58900-01)	Attached sheet 13			
2009 LANCER Workshop Manual	09	09 N/A	Service Specifications (M233-20-200-27900-01)	Attached sheet 8, 9			
(GS41)(ĊY0A)			Snap Ring, Spacer and Thrust Washer Adjustment (M233-20-400-29700-01)				
			Transmission Disassembly and Reassembly (M233-20-800-59000-01)	Attached sheet 10			

CONTINUOUSLY VARIABLE TRANSMISSION OVERHAUL SERVICE SPECIFICATIONS

Item		Specifications	
Transmission type		Forward automatic continuously variable (steel belt-driven), reverse 1 speed	
Gear ratio Forward		2.349 – 0.394	
	Reverse	1.750	
Final gear ratio		6.120	

SERVICE SPECIFICATIONS

<New>

0.11 - 0.17

Item		Standard value mm
Reverse brake clearance		1.2 – 1.5
Total end play		0.25 - 0.55
Differential preload		0.17 – 0.29
Reduction gear preload	<previous></previous>	0.13-0.19
Oil pump drive sprocket to converter housing	clearance	0.10 - 0.23
Mounting bore diameter of reduction gear	Converter housing side	φ61.949 – 61.979
bearing outer race	Transmission case side	
Mounting bore diameter of differential side	Converter housing side	φ67.949 – 67.979
bearing outer race	Transmission case side	
Mounting bore diameter of reduction gear	Converter housing side	ф30.008 – 30.029
bearing inner race	Transmission case side	
Mounting bore diameter of differential side	Converter housing side	φ40.026 – 40.051
bearing inner race	Transmission case side	1

SNAP RING, SPACER AND THRUST WASHER FOR ADJUSTMENT

Snap rings (For adjustment of reverse brake)

Thickness mm	Identification	Thickness mm	Identification
2.2	_	2.8	_
2.4	_	3.0	_
2.6	_		

Needle bearings (For adjustment of total end play)

Thickness mm	Identification	Thickness mm	Identification
3.58	_	4.26	_
3.75	_	4.43	_
3.92	_	4.60	_
4.09	_	4.77	_

CONTINUOUSLY VARIABLE TRANSMISSION OVERHAUL SNAP RING, SPACER AND THRUST WASHER FOR ADJUSTMENT

Adjusting shims (For adjustment of differential preload)

Thickness mm	Identification	Thickness mm	Identification
0.40	_	0.88	_
0.44	_	0.92	-
0.48	_	0.96	_
0.52	_	1.00	_
0.56	_	1.04	-
0.60	_	1.08	-
0.64	_	1.12	-
0.68	_	1.16	_
0.72	_	1.20	_
0.78	_	1.24	_
0.80	_	1.28	-
0.84	_	1.32	-

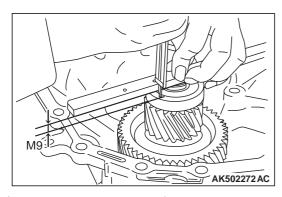
Adjusting shims (For adjustment of reduction gear preload)

0.64 - 1.48 - 0.68 - 1.52 - 0.72 - 1.56 - 0.76 - 1.60 - 0.80 - 1.64 - 0.84 - 1.68 - 0.88 - 1.72 - 0.92 - 1.76 - 0.96 - 1.80 - 1.00 - 1.84 - 1.04 - 1.88 - 1.08 - 1.92 - 1.12 - 1.96 - 1.20 - 2.00 - 1.24 - 2.08 - 1.28 - 2.12 - 1.36 - 2.20 - 1.40 - 2.24 -	Thickness mm	Identification	Thickness mm	Identification
0.72 - 1.56 - 0.76 - 1.60 - 0.80 - 1.64 - 0.84 - 1.68 - 0.88 - 1.72 - 0.92 - 1.76 - 0.96 - 1.80 - 1.00 - 1.84 - 1.04 - 1.88 - 1.08 - 1.92 - 1.12 - 1.96 - 1.16 - 2.00 - 1.20 - 2.94 - 1.24 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -		_	1.48	_
0.76 - 1.60 - 0.80 - 1.64 - 0.84 - 1.68 - 0.88 - 1.72 - 0.92 - 1.76 - 0.96 - 1.80 - 1.00 - 1.84 - 1.04 - 1.88 - 1.08 - 1.92 - 1.12 - 1.96 - 1.16 - 2.00 - 1.20 - 2.94 - 1.24 - 2.08 - 1.32 - 2.12 - 1.36 - 2.20 - 1.40 - 2.24 -	0.68	_	1.52	_
0.80 - 1.64 - 0.84 - 1.68 - 0.88 - 1.72 - 0.92 - 1.76 - 0.96 - 1.80 - 1.00 - 1.84 - 1.04 - 1.88 - 1.08 - 1.92 - 1.12 - 1.96 - 1.16 - 2.00 - 1.20 - 2.94 - 1.24 - 2.08 - 1.28 - 2.12 - 1.36 - 2.20 - 1.40 - 2.24 -	0.72	_	1.56	_
0.84 - 1.68 - 0.88 - 1.72 - 0.92 - 1.76 - 0.96 - 1.80 - 1.00 - 1.84 - 1.04 - 1.88 - 1.08 - 1.92 - 1.12 - 1.96 - 1.16 - 2.00 - 1.20 - 2.94 - 1.24 - 2.08 - 1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	0.76	_	1.60	_
0.88 - 1.72 - 0.92 - 1.76 - 0.96 - 1.80 - 1.00 - 1.84 - 1.04 - 1.88 - 1.08 - 1.92 - 1.12 - 1.96 - 1.16 - 2.00 - 1.20 - 2.04 - 1.24 - 2.08 - 1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	0.80	_	1.64	_
0.92 - 1.76 - 0.96 - 1.80 - 1.00 - 1.84 - 1.04 - 1.88 - 1.08 - 1.92 - 1.12 - 1.96 - 1.16 - 2.00 - 1.20 - 2.94 - 1.24 - 2.08 - 1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	0.84	_	1.68	_
0.96 - 1.80 - 1.00 - 1.84 - 1.04 - 1.88 - 1.08 - 1.92 - 1.12 - 1.96 - 1.16 - 2.00 - 1.20 - 2.94 - 1.24 - 2.08 - 1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	0.88	_	1.72	_
1.00 - 1.84 - 1.04 - 1.88 - 1.08 - 1.92 - 1.12 - 1.96 - 1.16 - 2.00 - 1.20 - 2.94 - 1.24 - 2.08 - 1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	0.92	_	1.76	_
1.04 - 1.88 - 1.08 - 1.92 - 1.12 - 1.96 - 1.16 - 2.00 - 1.20 - 2.94 - 1.24 - 2.08 - 1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	0.96	_	1.80	_
1.08 - 1.92 - 1.12 - 1.96 - 1.16 - 2.00 - 1.20 - 2.94 - 1.24 - 2.08 - 1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	1.00	_	1.84	_
1.12 - 1.96 - 1.16 - 2.00 - 1.20 - 2.94 - 1.24 - 2.08 - 1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	1.04	_	1.88	_
1.16 - 2.00 - 1.20 - 2.94 - 1.24 - 2.08 - 1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	1.08	_	1.92	_
1.20 - 2.94 - 1.24 - 2.08 - 1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	1.12	_	1.96	_
1.24 - 2.08 - 1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	1.16	_	2.00	_
1.28 - 2.12 - 1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	1.20	_	2:04	-
1.32 - 2.16 - 1.36 - 2.20 - 1.40 - 2.24 -	1.24	_	2.08	-
1.36 - 2.20 - 1.40 - 2.24 -	1.28	_	2.12	
1.40 _ 2.24 _	1.32	_	2.16	
	1.36	_	2.20	-
1.44 - < Delete>	1.40	_	2.24	-
	1.44	_		<delete></delete>

<Add>

0.56	-	
0.60 visb-09E23-001 (08AT501)	-	5

CONTINUOUSLY VARIABLE TRANSMISSION OVERHAUL TRANSMISSION



- (3) Install the outer race of reduction gear side bearing on the bearing, and measure the distance M9 from the edge of reduction gear assembly to the outer race of reduction gear bearing.
- (4) Using the following expression, calculate the difference M10 from the outer race of reduction gear bearing to the edge of converter housing.

M10 = M8 - M9

(5) Using the following expression, calculate the thickness of adjusting shim.

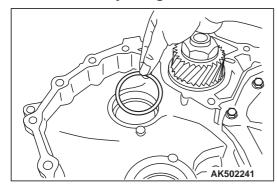
Thickness of adjusting shim = M7 - M10 + preload <Previous> <New>

Standard value: 0.13 0.49 mm < 0.11 - 0.17 mm

(For reduction gear preload)

↑ CAUTION

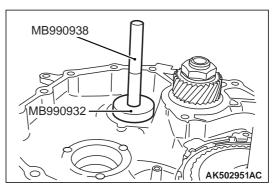
Do not re-use the adjusting shim.



27.Install the selected adjusting shim on the transmission case. For selection of the adjusting shim, refer to "SERVICE SPECIFICATIONS".

↑ CAUTION

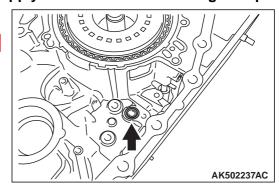
- Do not re-use the outer race.
- Replace the outer race together with the inner race.



- 28. Using the special tools, install the outer race of reduction gear bearing on the transmission case.
 - Installer adapter (MB990932)
 - Installer bar (MB990938)

⚠ CAUTION

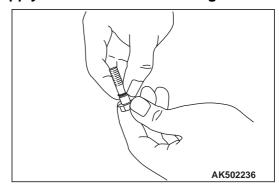
- Do not re-use the lip seal.
- Apply CVT fluid when installing the lip seal.



29.Install the lip seal on the transmission case.

⚠ CAUTION

- Do not re-use the O-rings.
- . Apply CVT fluid when installing the O-rings.



30.Install the O-rings on the oil pump fastening bolts.

CONTINUOUSLY VARIABLE TRANSMISSION OVERHAUL SERVICE SPECIFICATIONS

SERVICE SPECIFICATIONS

<<u>New></u> 0.11 - 0.17

Item	Standard value mm	
Reverse brake clearance		1.2 – 1.5
Total end play		0.25 – 0.55
Efferential preload		0.17 – 0.29
Reduction gear preload	<previous:< td=""><td>0.13-0.19</td></previous:<>	0.13-0.19
Oil pump drive sprocket to converter housing	clearance	0.10 – 0.23
Mounting bore diameter of reduction gear	Converter housing side	φ 6 .949 - 6 .979
bearing outer race	Transmission case side	
Mounting bore diameter of differential side	Converter housing side	ф84.941 – 84.976
bearing outer race	Transmission case side	фб.949 — б.979
Mounting bore diameter of reduction gear	Converter housing side	ф30.008 – 30.029
bearing inner race	Transmission case side	
Mounting bore diameter of differential side	Converter housing side	φθ.032 - θ.078
bearing inner race	Transmission case side	ф40.026- 40.051

SNAP RING, NEEDLE BEARING AND SHIM FOR ADJUSTMENT

Snap rings (For adjustment of reverse brake)

Thickness mm	Identification	Thickness mm	Identification
2.2	_	2.8	-
2.4	-	3.0	-
2.6	_		

Needle bearings (For adjustment of total end play)

Thickness mm	Identification	Thickness mm	Identification
3.58	_	4.26	_
3.75	_	4.43	_
3.92	_	4.6	_
4.09	_	4.77	_

Adjusting shims (For adjustment of differential preload)

Thickness mm	Identification	Thickness mm	Identification
0.24	_	0.80	_
0.28	_	0.84	_
0.32	_	0.88	_
0.36	_	0.92	_
0.40	_	0.96	_
0.44	_	1.00	_

CONTINUOUSLY VARIABLE TRANSMISSION OVERHAUL SNAP RING, NEEDLE BEARING AND SHIM FOR ADJUSTMENT

Thickness mm	Identification	Thickness mm	Identification
0.48	_	1.04	_
0.52	_	1.08	_
0.56	_	1.12	_
0.0	_	1.16	-
0.6	_	1.20	_
0.8	_	1.24	_
0.72	_	1.28	_
0.76	_	1.32	_

Adjusting shims (For adjustment of reduction gear preload)

Thickness mm	Identification	Thickness mm	Identification
0.6	_	1.48	-
0.6	_	1.52	_
0.72	_	1.56	-
0.76	_	1.0	-
0.80	_	1.6	_
0.84	_	1.8	_
0.88	_	1.72	_
0.92	_	1.76	_
0.96	_	1.80	_
1.00	_	1.84	_
1.04	_	1.88	_
1.08	_	1.92	_
1.12	_	1.96	_
1.16	_	2.00	_
1.20	_	2:04	-
1.24	_	2.08	-
1.28	_	2.12	
1.32	_	2.16	/ -
1.36	_	2.20	-
1.40	_	2.24	-
1.44	_		<delete></delete>

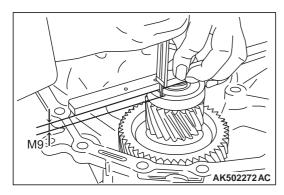
Adjusting shims (For adjustment of oil pump drive sprocket / converter housing clearance)

Thickness mm	Identification	Thickness mm	Identification
0.6	_	0.92	_
0.6	_	0.96	_
0.72	_	1.00	_
0.76	_	1.04	_

<Add>

0.56 MSB-09E23-001 (08AT501)	- 8	_
0.60	-	

CONTINUOUSLY VARIABLE TRANSMISSION OVERHAUL TRANSMISSION



- (3) Install the outer race of reduction gear side bearing on the bearing, and measure the distance M9 from the edge of reduction gear assembly to the outer race of reduction gear bearing.
- (4) Using the following expression, calculate the difference M10 from the outer race of reduction gear bearing to the edge of converter housing.

M10 = M8 - M9

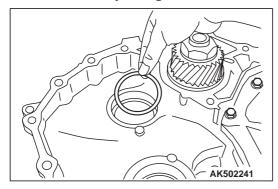
(5) Using the following expression, calculate the thickness of adjusting shim.

Thickness of adjusting shim = M7 - M10 + preload <Previous> <New>
Standard value: 0.13 > 0.49 mm < 0.11 - 0.17 mm

(For reduction gear preload)

⚠ CAUTION

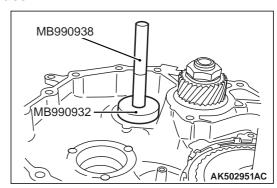
Do not re-use the adjusting shim.



27.Install the selected adjusting shim on the transmission case. For selection of the adjusting shim, refer to "SERVICE SPECIFICATIONS".

↑ CAUTION

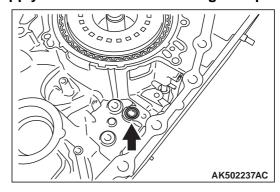
- Do not re-use the outer race.
- Replace the outer race together with the inner race.



- 28. Using the special tools, install the outer race of reduction gear bearing on the transmission case.
 - Installer adapter (MB990932)
 - Installer bar (MB990938)

⚠ CAUTION

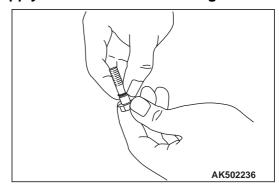
- Do not re-use the lip seal.
- Apply CVT fluid when installing the lip seal.



29.Install the lip seal on the transmission case.

⚠ CAUTION

- Do not re-use the O-rings.
- . Apply CVT fluid when installing the O-rings.



30.Install the O-rings on the oil pump fastening bolts.

CONTINUOUSLY VARIABLE TRANSMISSION OVERHAUL SERVICE SPECIFICATIONS

SERVICE SPECIFICATIONS

<New>

Item		Standard value mm
Rverse brake clearance	1.2 – 1.5	
₫tal end play		0.25 – 0.55
fferential preload		0.17 – 0.29
Rduction gear preload	<previous></previous>	0.13 0.19
Dpump drive sprocket to converter housing	sclearance	0.10 – 0.23
Mounting bore diameter of reduction gear	Onverter housing side	ф61.949 – 61.979
bearing outer race	ransmission case side	
Mounting bore diameter of differential side	Onverter housing side #A>	ф67.949 — 67.979
bearing outer race	Onverter housing side *******>	ф84.941 — 84.976
	ransmission case side	ф67.949 — 67.979
Mounting bore diameter of reduction gear	Onverter housing side	ф30.008 – 30.029
bearing inner race	Tansmission case side	
Mounting bore diameter of differential side	Onverter housing side #A>	ф40.026 – 40.051
bearing inner race	Onverter housing side *********	ф60.032 — 60.078
	ransmission case side	ф40.026 – 40.051

SNAP RING SPACER AND THRUST WASHER FOR ADJUSTMENT

Snap rings (For adjustment of reverse brake)

Thickness mm	Identification	Thickness mm	Identification
2.2	_	2.8	_
2.4	_	3.0	_
2.6	_		

Needle bearings (For adjustment of total end play)

Thickness mm	Identification	Thickness mm	Identification
3.58	_	4.26	-
3.75	_	4.43	_
3.92	-	4.60	-
4.09	_	4.77	-

Adjusting shims (For adjustment of differential preload) <F1CJA>

Thickness mm	Identification	Thickness mm	Identification
0.40	_	0.96	_
0.44	_	1.00	_
0.48	_	1.04	_
0.52	_	1.08	_

CONTINUOUSLY VARIABLE TRANSMISSION OVERHAUL SNAP RING SPACER AND THRUST WASHER FOR ADJUSTMENT

Thickness mm	Identification	Thickness mm	Identification
0.56	_	1.12	_
0.60	_	1.16	_
0.64	_	1.20	_
0.68	_	1.24	_
0.72	_	1.28	_
0.76	_	1.32	_

Adjusting shims (For adjustment of differential preload) <W1CJA>

Thickness mm	Identification	Thickness mm	Identification
0.24	_	0.80	_
0.28	_	0.84	_
0.32	_	0.88	_
0.36	_	0.92	_
0.40	_	0.96	_
0.44	_	1.00	_
0.48	_	1.04	_
0.52	_	1.08	_
0.56	_	1.12	_
0.60	_	1.16	-
0.64	_	1.20	-
0.68	_	1.24	_
0.72	_	1.28	_
0.76	_	1.32	-

Adjusting shims (For adjustment of reduction gear preload)

Thickness mm	Identification	Thickness mm	Identification
0.64	_	1.48	_
0.68	_	1.52	_
0.72	_	1.56	_
0.76	_	1.60	_
0.80	_	1.64	_
0.84	_	1.68	_
0.88	_	1.72	_
0.92	_	1.76	_
0.96	_	1.80	_
1.00	_	1.84	_
1.04	_	1.88	_
1.08	_	1.92	_
1.12	_	1.96	_

<Add>

0.56 - 09E23-001 (08AT501)	-	11
0.60	-	

CONTINUOUSLY VARIABLE TRANSMISSION OVERHAUL TORQUE SPECIFICATIONS

Thickness mm	Identification	Thickness mm	Identification	
1.16	_	2.00	_	
1.20	_	2.04	-	
1.24	_	2.08	-	
1.28	_	2.12		
1.32	_	2.16	-	
1.36	_	2.20	-	
1.40	_	2.24	-	
1.44	_		<delete></delete>	

Adjusting shims (For adjustment of oil pump drive sprocket / converter housing clearance)

Thickness mm	Identification	Thickness mm	Identification
0.64	_	0.92	_
0.68	_	0.96	_
0.72	_	1.00	_
0.76	_	1.04	_
0.80	_	1.08	_
0.84	_	1.12	_
0.88	_		I

TORQUE SPECIFICATIONS

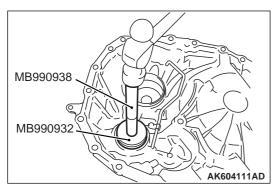
Transmission

Item	N·m
Detent spring	6.9
₽g	7.5
Φ	6.9
Фритр	19
Фритр	28
Ontrol valve assembly	7.9
Manual control valve lever	22.1
Bracket	7.9
D strainer	7.9
D pan	7.9
Dain plug	34.3
Baffle plate	5.9
Bracket	26
Baffle plate	26
Dpump cover	26
Baffle plate nut	5.9

CONTINUOUSLY VARIABLE TRANSMISSION OVERHAUL TRANSMISSION

⚠ CAUTION

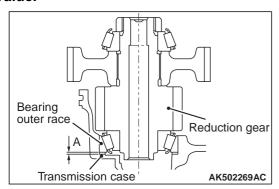
- Do not re-use the outer race.
- Replace the outer race together with the inner race.



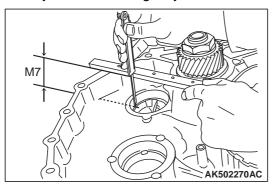
- 25.Using the special tools, install the outer race of reduction gear bearing on the converter housing.
 - Installer adapter (MB990932)
 - Installer bar (MB990938)

⚠ CAUTION

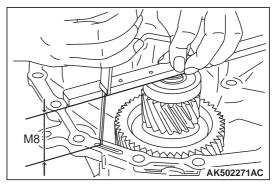
- When adjusting the preload, apply CVT fluid to the bearing to make it roll smoothly.
- When conducting measurements, measure two or more places, and find the average value.



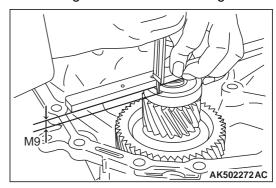
26. Measure the preload A of the reduction gear assembly in the following way.



(1) Measure the distance M7 from the edge of transmission case to the mounting surface of adjusting shim.



(2) Install the reduction gear assembly on the converter housing, and measure the distance M8 from the edge of reduction gear assembly to the edge of converter housing.



- (3) Install the outer race of reduction gear side bearing on the bearing, and measure the distance M9 from the edge of reduction gear assembly to the outer race of reduction gear bearing.
- (4) Using the following expression, calculate the difference M10 from the outer race of reduction gear bearing to the edge of converter housing.

M10 = M8 - M9

(5) Using the following expression, calculate the thickness of adjusting shim.

Thickness of adjusting shim = M7 - M10 + preload <Previous> <New>
Standard value: 0.13 - 0.49 mm < 0.11 - 0.17 mm

(For reduction gear preload)