SERVICE BULLETIN

MITSUBISHI MOTORS

GLOBAL AFTER SALES OFFICE, MITSUBISHI MOTORS CORPORATION

PURPOSE : CHANGE	ISSUE NO. : MSB-14EXML37-001	DATE : 2014-01-10
SUBJECT : ELECTRIC POWER STEERING(EPS)		<DESTINATION/MODEL> As per attached sheet 1 <M/Y> 13-14
GROUP : STEERING(Gr:37)		Outlander/Outlander PHEV(GF0W)

1. Description :

Please refer to the attached document for the information about the change of mention in the applicable service manual.(The maintenance procedure of intermediate shaft assembly of EPS was added)

2. Affected service manuals :

Please refer to the attached document (Attached sheet 1)

3. About the details :

Please refer to the attached document (Attached sheet 4-8)

【For overseas market】 Attached sheet 1

<MMNA>

Applicable manual	Pub. No.	Applicable title (INFO-ID)	Contents
2014 OUTLANDER Service manual	MSCD-007B-2014	STEERING SHAFT DISASSEMBLY AND REASSEMBLY (Added under M372-01-170-77500-01)	Attached sheet 4, 5

<EU/RUSSIA>

Applicable manual	Pub. No.	Applicable title (INFO-ID)	Contents
2013 OUTLANDER WORKSHOP MANUAL	CGFE13E1-CD(ENG) CGFF13E1-CD(FRE) CGFG13E1-CD(GER) CGFS13E1-CD(SPA) CGFI13E1-CD(ITA) RUSSIA:N/A	INSPECTION (Added under M372-01-101-54200-01)	Attached sheet 6 to 8
2014 OUTLANDER/OUTLANDER PHEV WORKSHOP MANUAL	CGFE14E2-CD(ENG) CGFF14E2-CD(FRE) CGFG14E2-CD(GER) CGFS14E2-CD(SPA) CGFI14E2-CD(ITA) RUSSIA:N/A		

<G.EXP/GCC>

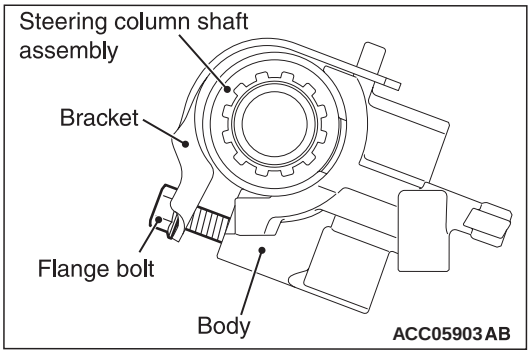
Applicable manual	Pub. No.	Applicable title (INFO-ID)	Contents
2014 OUTLANDER WORKSHOP MANUAL	PWRE1303R(ENG) PWRS1304R(SPA)	INSPECTION (Added under M372-01-101-54200-01)	Attached sheet 6 to 8

<MMAL/NZ/CHINA>

Applicable manual	Pub. No.	Applicable title (INFO-ID)	Contents
2014 OUTLANDER/ OUTLANDER PHEV WORKSHOP MANUAL	MMAL:AU900408 NZ:DRAFT CHINA:DRAFT	INSPECTION (Added under M372-01-101-54200-01)	Attached sheet 6 to 8

Attached sheet 4

REASSEMBLY SERVICE POINT



>>A<< BODY/BRACKET INSTALLATION

1. Insert the housing from the column shaft end, and then engage the protrusion on the housing with the recess on the steering column shaft assembly.
2. Tighten the flange bolt to the specified torque.

Tightening torque: 12 ± 5 N·m (106 ± 44 in-lb)

<Added> Attached sheet 5

<Added>

INTERMEDIATE SHAFT ASSEMBLY

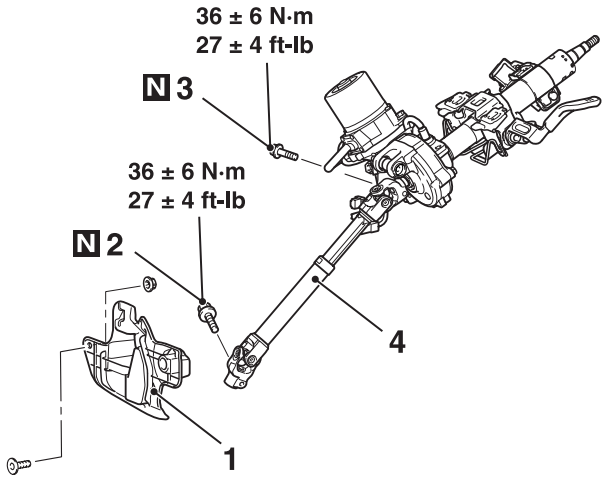
REMOVAL AND INSTALLATION

M1372019800044

⚠ CAUTION

After the installation, perform a calibration for the ASC-ECU to learn the steering wheel sensor neutral point (Refer to GROUP 35C – On-vehicle Service, Steering Wheel Sensor Calibration).

Pre-removal and Post-installation Operation
Steering Wheel Straight-ahead Position Check



Removal steps

1. Steering shaft cover

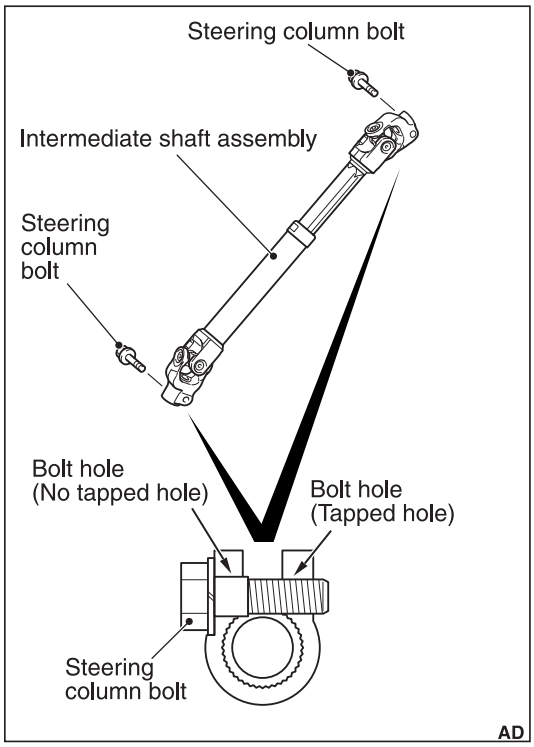
>>A<< 2. Steering column lower bolt (Intermediate shaft assembly and steering gear & linkage connection)

Removal steps (Continued)

>>A<< 3. Steering column upper bolt (column axis and intermediate shaft assembly)

4. Intermediate shaft assembly

Attached sheet 5



INSTALLATION SERVICE POINT

>>A<< STEERING COLUMN UPPER BOLT (COLUMN AXIS AND INTERMEDIATE SHAFT ASSEMBLY)/STEERING COLUMN LOWER BOLT (INTERMEDIATE SHAFT ASSEMBLY AND STEERING GEAR & LINKAGE CONNECTION) INSTALLATION

Insert the steering column bolt into the non-threaded bolt hole, and tighten it to the specified torque.

Tightening torque: 36 ± 6 N·m (27 ± 4 ft-lb)

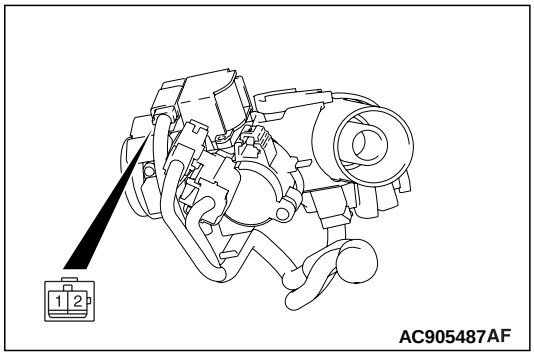
Attached sheet 6

⚠ CAUTION
As for the mechanical steering lock for vehicles with CVT, connect the body side wiring harness connector to the steering lock solenoid connector. Do not connect the harness connector to the steering lock solenoid dummy connector. As for the mechanical steering lock for vehicles with M/T, connect the body side wiring harness connector to the steering lock solenoid dummy connector.

INSPECTION

M1372011001542

STEERING LOCK SOLENOID CONTINUITY CHECK <VEHICLES WITHOUT KOS (VEHICLES WITH CVT)>



Disconnect the steering lock solenoid connector, and then perform the continuity check.

Terminal number	Normal value
1 – 2	Continuity exists (2 Ω or less)

<Added> Attached sheet 7, 8

INTERMEDIATE SHAFT ASSEMBLY REMOVAL AND INSTALLATION

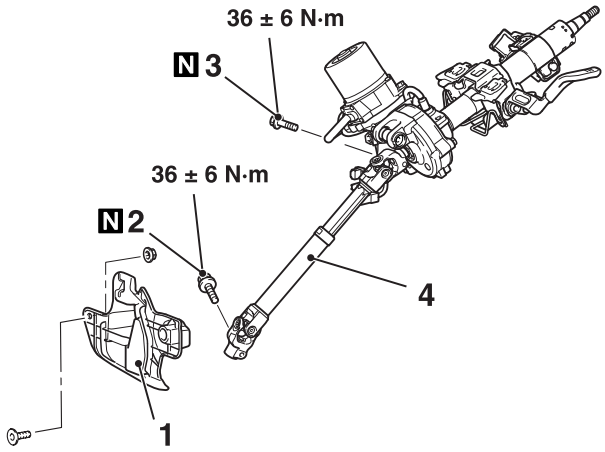
REMOVAL AND INSTALLATION

M1372003100585

⚠ CAUTION

After the installation, perform a calibration for the ASC-ECU to learn the steering wheel sensor neutral point. (Refer to GROUP 35C – On-vehicle Service, Steering Wheel Sensor Calibration) <Vehicles with ASC>.

Pre-removal and Post-installation Operation
Steering Wheel Straight-ahead Position Check



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Removal steps

1. Steering shaft cover
>>A<< 2. Steering column lower bolt (Intermediate shaft assembly and steering gear & linkage connection)

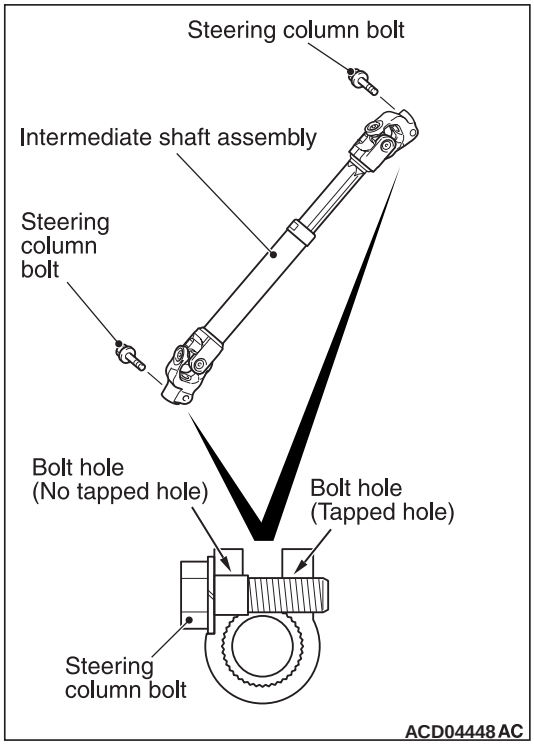
Removal steps (Continued)

>>A<< 3. Steering column upper bolt (column axis and intermediate shaft assembly)
4. Intermediate shaft assembly

Attached sheet 8

INSTALLATION SERVICE POINT

>>A<< STEERING COLUMN UPPER BOLT (COLUMN AXIS AND INTERMEDIATE SHAFT ASSEMBLY)/STEERING COLUMN LOWER BOLT (INTERMEDIATE SHAFT ASSEMBLY AND STEERING GEAR & LINKAGE CONNECTION) INSTALLATION



Insert the steering column bolt into the non-threaded bolt hole, and tighten it to the specified torque.

Tightening torque : 36 ± 6 N·m