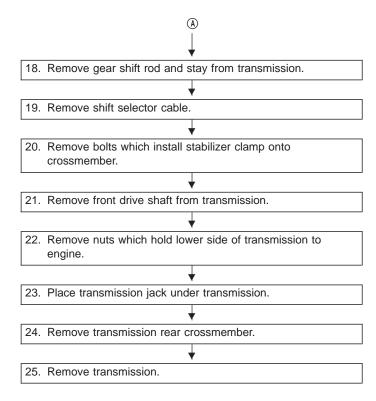
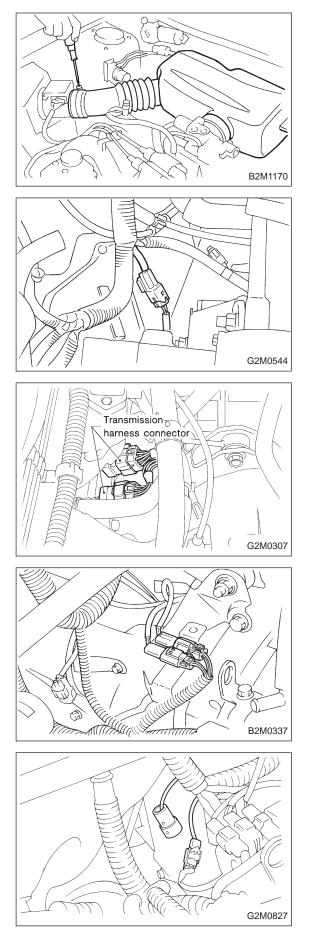
3. TransmissionA: REMOVAL

1. Open front hood fully, and support it with stay.
2. Disconnect battery ground terminal.
3. Remove air intake duct and chamber.
<u>↓</u>
4. Disconnect connectors and cables.
↓
5. Remove starter.
L
6. Remove pitching stopper.
AT model
7. Separate torque converter from drive plate.
8. Remove ATF level gauge.
9. Remove transmission connector bracket.
Hydraulic clutch model
10. Remove operating cylinder.
L
11. Set special tools.
└
12. Remove bolt which holds right upper side of transmission to
engine.
Hydraulic clutch model
13. Remove clutch damper.
↓
14. Remove exhaust system.
Front exhaust pipe
Center exhaust pipe
Rear exhaust pipe [AWD]
AT model
15. Drain ATF to remove ATF drain plug.
16. Disconnect ATF cooler hose from pipe on transmission side, and remove ATF level gauge guide.
AWD model
17. Remove propeller shaft.
└───── <u>↓</u>
(Â)





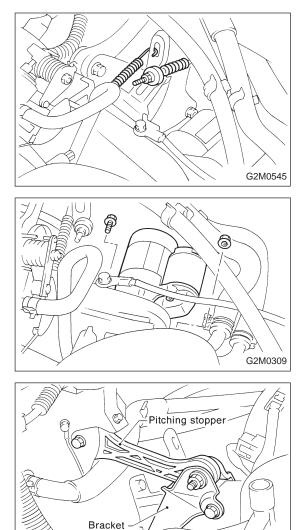
- 1) Open front hood fully, and support with stay.
- 2) Disconnect battery ground terminal.
- 3) Remove air intake duct and chamber.

- 4) Disconnect connectors and cables.
 - (1) Disconnect the following connectors.Front oxygen sensor connector

- Transmission harness connector
- Transmission ground terminal

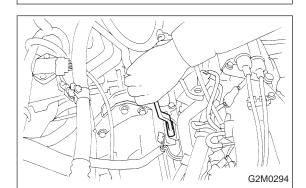
- Neutral position switch connector (MT model)
- Back-up light switch connector (MT model)

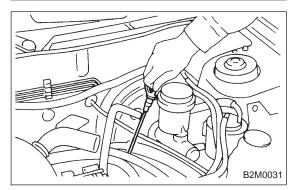
• Vehicle speed sensor 2



- (2) Disconnect the following cables.
 - Clutch release spring (MT model)
 - Clutch cable (MT mechanical clutch model)

- 5) Remove starter.
 - (1) Disconnect connectors and terminal from starter.
 - (2) Remove bolt which installs upper side of starter.
 - (3) Remove nut which installs lower side of starter, and remove starter from transmission.
- 6) Remove pitching stopper.





- 7) Separate torque converter from drive plate. (AT model)(1) Remove service hole plug.
 - (2) Remove bolts which hold torque converter to drive plate.
 - (3) While rotating the engine, remove other bolts using ST.
- ST 499977000 CRANK PULLEY WRENCH CAUTION:

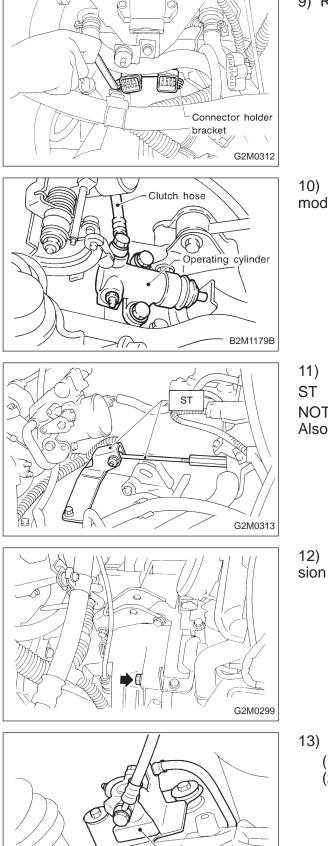
Be careful not to drop bolts into torque converter housing.

8) Remove ATF level gauge. (AT model)

CAUTION:

G2M0295

Plug opening to prevent entry of foreign particles into transmission fluid.



Clutch damper

. B2M1300A 9) Remove transmission connector holder bracket.

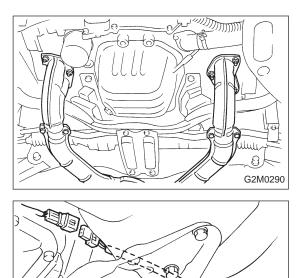
10) Remove operating cylinder. (MT hydraulic clutch model)

11) Set ST. ST 41099AA020 ENGINE SUPPORT ASSY NOTE: Also is available Part No. 927670000.

12) Remove bolt which holds right upper side of transmission to engine.

- 13) Remove clutch damper. (MT hydraulic clutch model)
 - (1) Lift-up the vehicle.
 - (2) Remove tightening bolts.

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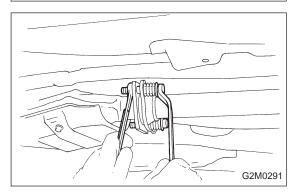


14) Remove exhaust system.

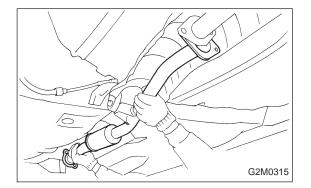
(1) Remove nuts which install front exhaust pipe onto engine.

(2) Disconnect connector from rear oxygen sensor.

(3) Separate center exhaust pipe from rear exhaust pipe.



B2M0335

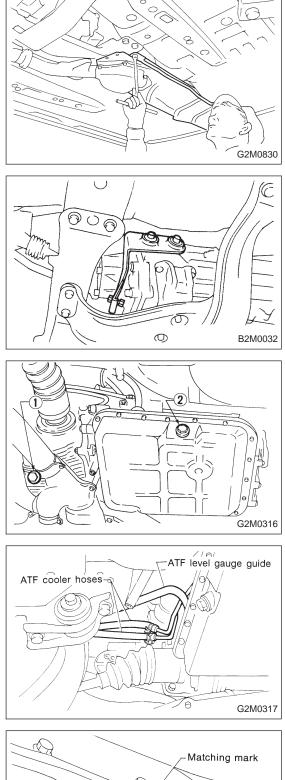


(4) Remove bolt which installs center exhaust pipe to hanger bracket.

(5) Take off front and center exhaust pipes.

(6) Remove rear exhaust pipe. (AWD model) **CAUTION:**

When removing exhaust pipes, be careful each exhaust pipe does not drop out.



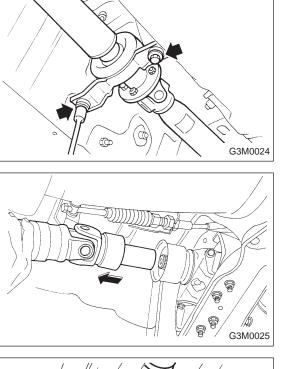
(7) Remove heat shield cover of rear exhaust pipe. (AWD model)

(8) Remove hanger bracket from right side of transmission. (AWD model)

- 15) Drain ATF to remove ATF drain plug. (AT model)
- ① Front differential oil drain plug
- (2) ATF drain plug

16) Disconnect ATF cooler hoses from pipes of transmission side, and remove ATF level gauge guide. (AT model)

- Matching mark Matching mark G3M0023
- 17) Remove propeller shaft. (AWD model)
 - (1) Remove front cover of rear differential mount.
 - (2) Separate propeller shaft from rear differential.

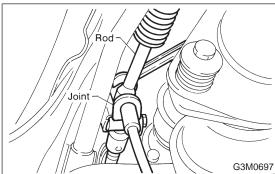


(3) Remove bolts which hold center bearing onto body. **CAUTION:**

Be careful not to drop propeller shaft.

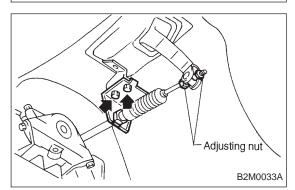
- (4) Remove propeller shaft from transmission.
- CAUTION:
- Be sure to use an empty container to catch oil flowing out when removing propeller shaft.
- Be sure not to damage oil seals and the frictional surface of sleeve yoke.

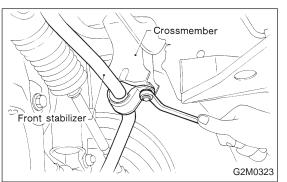
• Be sure to plug the opening in transmission after removal of propeller shaft.



18) Remove gear shift rod and stay from transmission. (MT model)

- (1) Remove spring.
- (2) Disconnect stay from transmission.
- (3) Disconnect rod from transmission.





- 19) Remove shift selector cable. (AT model)(1) Disconnect shift selector cable from selector lever.
 - (2) Remove cable bracket from body.

20) Remove bolts which install stabilizer clamps onto crossmember.



- 21) Remove front drive shafts from transmission.
 - (1) Remove transverse link from housing.
 - (2) Lower transverse link.

(3) Remove spring pins and separate front drive shafts from each side of the transmission.

CAUTION: Discard removing spring pin. Replace with a new one.

22) Remove nuts which hold lower side of transmission to engine.

G2M0326

23) Place transmission jack under transmission.

CAUTION:

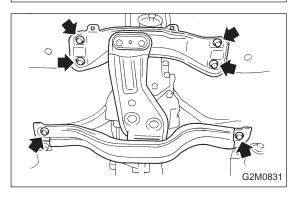
G2M0292

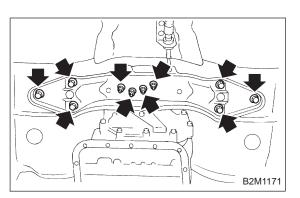
• Always support transmission case with a transmission jack.

• On AT model, make sure that the support plates of transmission jack don't touch the oil pan.

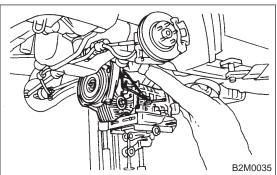
24) Remove transmission rear crossmember.

• MT model





• AT model



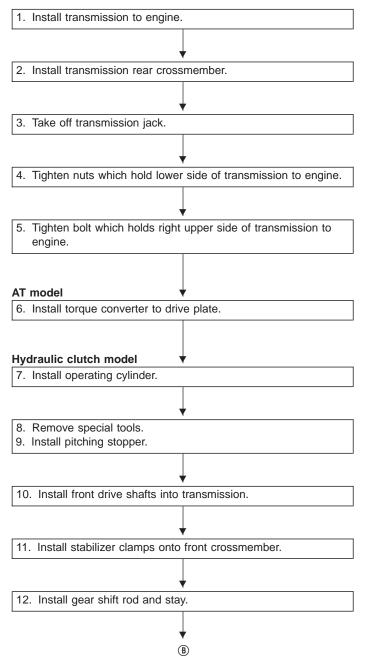
25) Remove transmission.

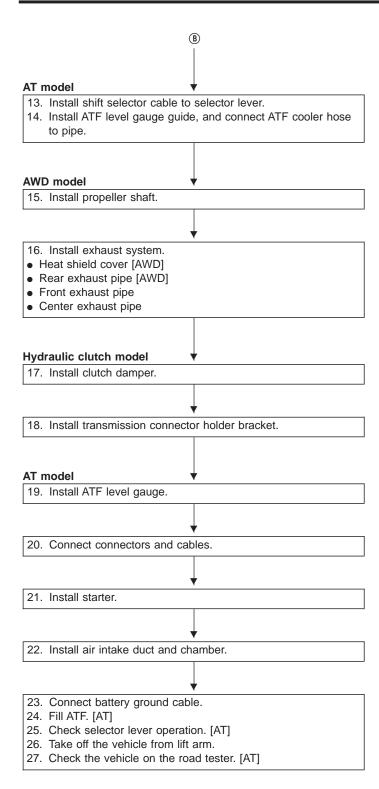
CAUTION:

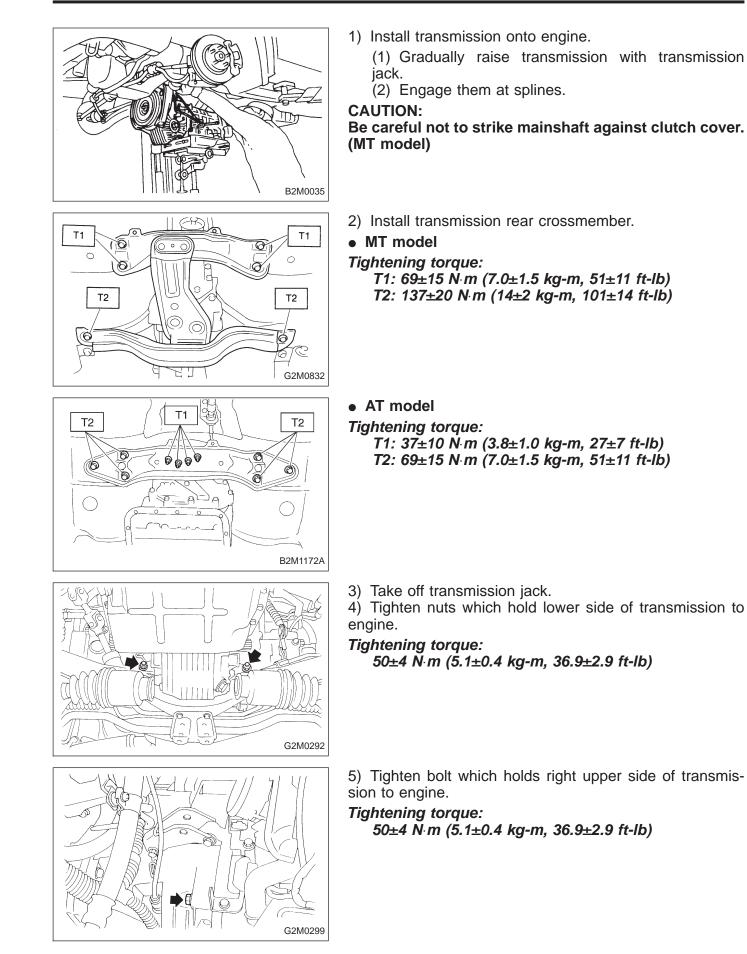
Move transmission jack toward rear until mainshaft is withdrawn from clutch cover. (MT model)
Move transmission and torque converter as a unit

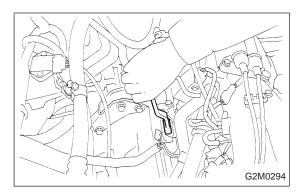
away from engine. (AT model)

B: INSTALLATION









- 6) Install torque converter to drive plate. (AT model)
 - (1) Tighten bolts which hold torque converter to drive plate.

(2) Tighten other bolts while rotating the engine by using ST.

ST 499977000 CRANK PULLEY WRENCH

CAUTION:

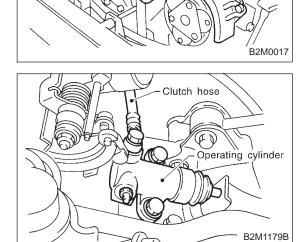
Be careful not to drop bolts into torque converter housing.

Tightening torque:

25±2 N m (2.5±0.2 kg-m, 18.1±1.4 ft-lb)

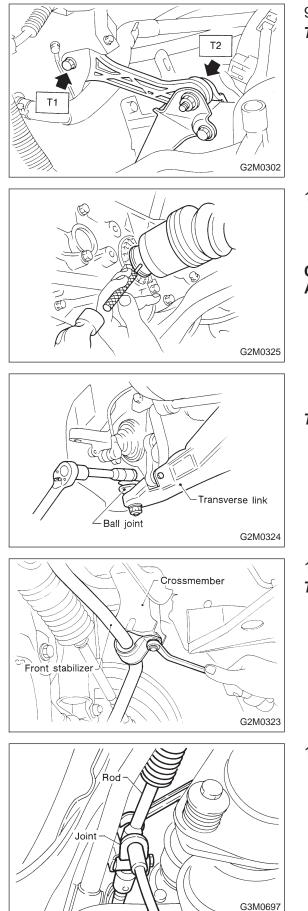
(3) Clog plug onto service hole.

(4) Install V-belt cover.



 7) Install operating cylinder. (Hydraulic clutch model)
 Tightening torque: 37±3 №m (3.8±0.3 kg-m, 27.5±2.2 ft-lb)

- 8) Remove special tools.



9) Install pitching stopper.

Tightening torque:

T1: 49±5 N m (5.0±0.5 kg-m, 36.2±3.6 ft-lb) T2: 57±10 N m (5.8±1.0 kg-m, 42±7 ft-lb)

- 10) Install front drive shafts into transmission.
 - (1) Lift-up the vehicle.
 - (2) Install front drive shaft into transmission.
 - (3) Drive spring pin into chamfered hole of drive shaft.

CAUTION:

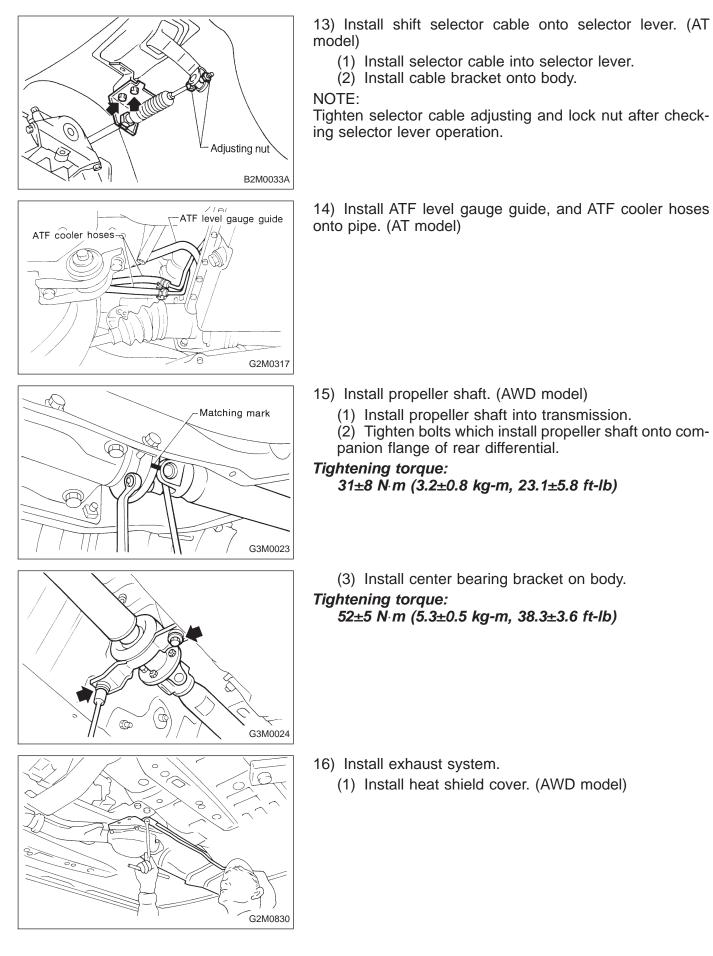
Always use a new spring pin.

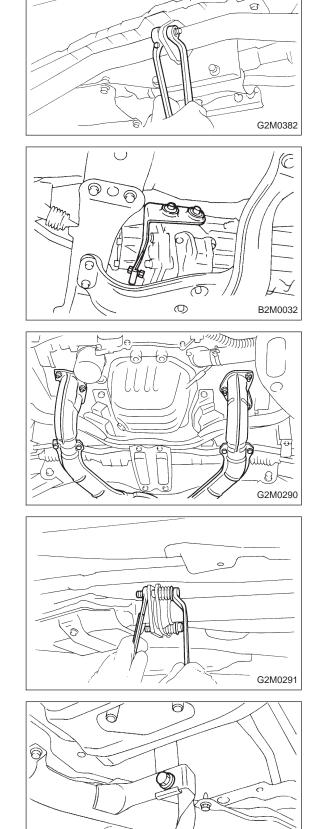
(4) Install ball joints of lower arm into knuckle arm of housing, and tighten installing bolts.

Tightening torque: 49±10 №m (5.0±1.0 kg-m, 36±7 ft-lb)

 11) Install stabilizer clamps onto front crossmember.
 Tightening torque: 25±4 N·m (2.5±0.4 kg-m, 18.1±2.9 ft-lb)

- 12) Install gear shift rod and stay. (MT model)
 - (1) Install gear shift rod onto transmission.
 - (2) Install stay onto transmission.
 - (3) Install spring.





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 (2) Install rear exhaust pipe to muffler. (AWD model)
 Tightening torque: 48±9 N·m (4.9±0.9 kg-m, 35.4±6.5 ft-lb)

(3) Install hanger bracket on right side of transmission. (AWD model)

(4) Install front exhaust pipe onto engine.

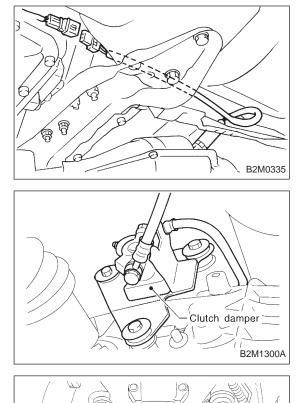
Tightening torque: 30±5 №m (3.1±0.5 kg-m, 22.4±3.6 ft-lb)

 (5) Install center exhaust pipe to rear exhaust pipe.
 Tightening torque: 18±5 № m (1.8±0.5 kg-m, 13.0±3.6 ft-lb)

(6) Tighten bolt which installs center exhaust pipe to hanger bracket.

Tightening torque: 30±5 N·m (3.1±0.5 kg-m, 22.4±3.6 ft-lb)

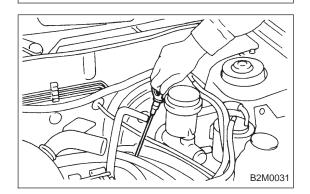
B2M0313



(7) Connect connector to rear oxygen sensor.

 17) Install clutch damper. (Hydraulic clutch model)
 Tightening torque: 25±7 № m (2.5±0.7 kg-m, 18.1±5.1 ft-lb)

18) Install transmission connector holder bracket.

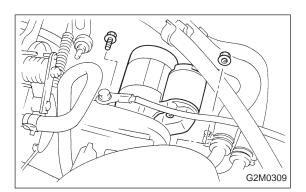


Connector holder bracket

G2M0312

19) Install ATF level gauge. (AT model)

- 20) Connect connectors and cables.
 - (1) Connect the following connectors.
 - Transmission harness connectors
 - Transmission ground terminal
 - Front oxygen sensor connector
 - Vehicle speed sensor 2
 - Neutral position switch connector (MT model)
 - Back-up light switch connector (MT model)
 - (2) Connect the following cables.
 - Cruise control cable
 - (With cruise control model)
 - Clutch cable



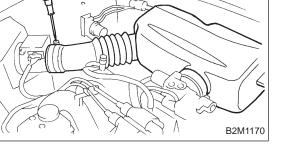
21) Install starter.

(1) Install starter onto transmission case, and connect connectors and terminals.

(2) Tighten bolt and nut which install starter onto transmission.

Tightening torque: 40±4 N·m (4.1±0.4 kg-m, 29.7±2.9 ft-lb)

22) Install air intake duct and chamber.



- 23) Connect battery ground cable.
- 24) Fill ATF. (AT model)
- <Ref. to 3-2 [W2A1].>

25) Check selector lever operation. (AT model)

- <Ref. to 3-3 [W2E0].>
- 26) Take off vehicle from lift arms.
- 27) Check the vehicle on road tester. (AT model)

<Ref. to 3-2 [W3E0].>