TOYOTA

REPAIR MANUAL

6FGCU33-45

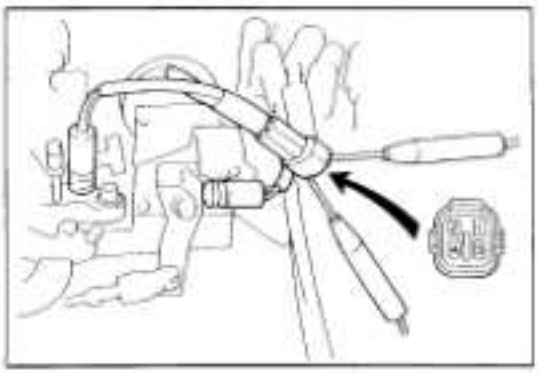
CU021

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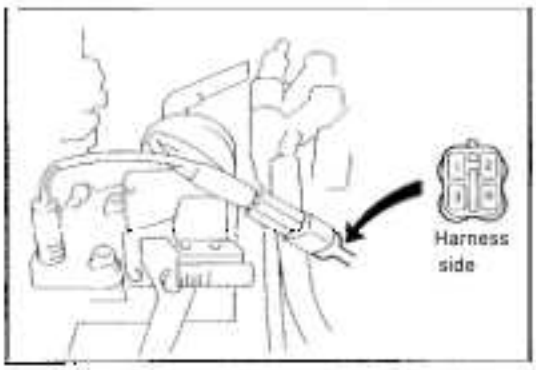


Throttle Switch

1. Inspect the throttle switch.
   (1) Disconnect the connector and inspect continuity of full open (between 3 and 4) and full close (between 1 and 2) switches for ON and OFF.

Standard:

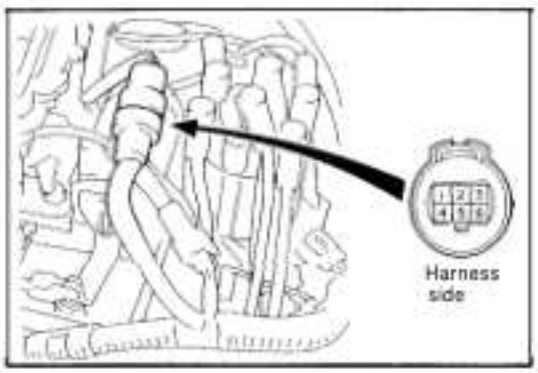
ON	**Continuity**
OFF	**No continuity**



2. Inspect the vehicle side harness.
   (1) Disconnect the connector and inspect the wire harness side connector.

Standard:

1 - Body ground	**4.5 ~ 5.25 V**
2 - Body ground	**Continuity**
3 - Body ground	**4.5 ~ 5.25 V**
4 - Body ground	**Continuity**

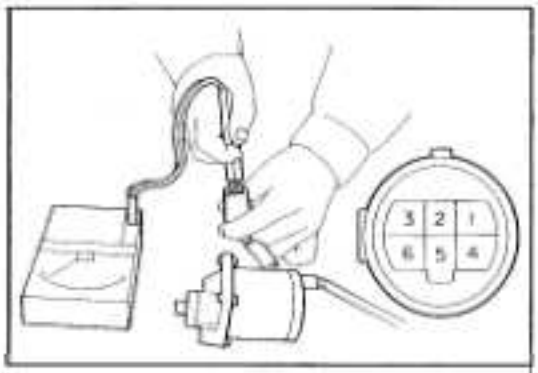


Stepping Motor

1. Inspect the signal voltage on the vehicle.
   (1) Measure the stepping motor operating voltage with the engine switch in the ON position.

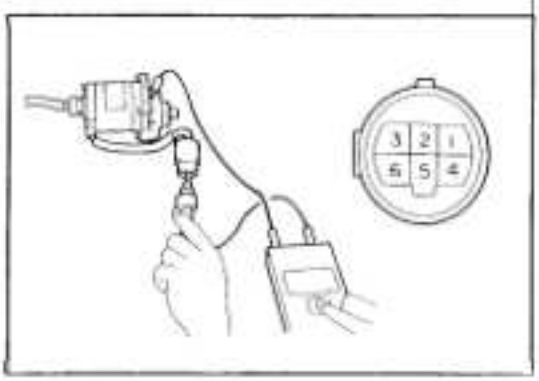
Standard:

Between 3 and ground:	**Battery voltage**



2. Inspect continuity individually.
   (1) Manually rotate the stepping motor shaft and check that it is rotated smoothly.
   (2) Measure the resistance between 1 and 3, 2 and 3, 4 and 3, and 5 and 3.

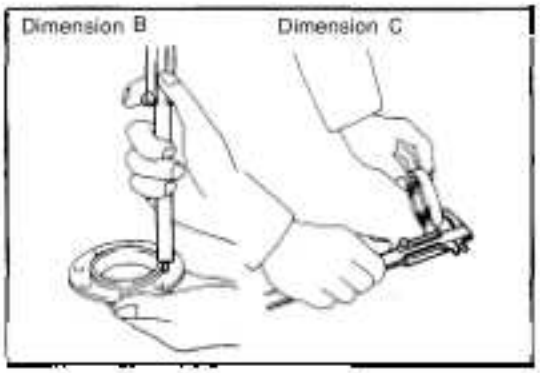
Standard: 2.97 to 3.63 Ω (at 25°C)



(3) Measure the insulation resistance between the stepping motor and each of terminals 1, 2, 3, 4 and 5.

Standard: 100 MΩ or more (with a 500 V DC megger)

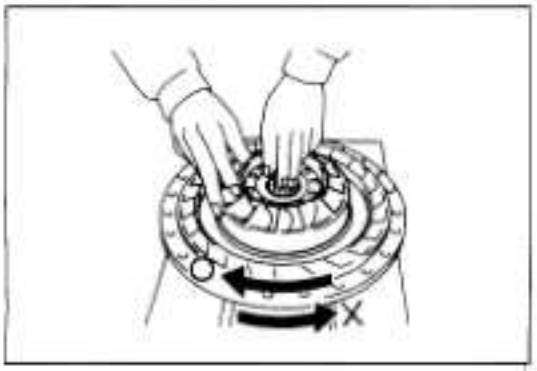
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2. Measure pilot boss dimension B and bearing thickness C.

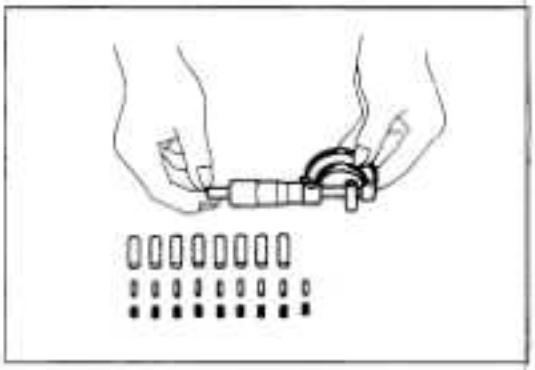
3. Select the turbine runner spacer so as to satisfy the following equation:
   A − (B + C + spacer thickness)
   − 0.2 to 0.8 mm (0.008 to 0.031 in)
   Types of spacer thickness:
   2.5, 2.7 and 3.0 mm (0.098, 0.106 and 0.118 in)

4. Remove the drive cover, and install the pump impeller O-ring and the spacer selected above.



[Point 31

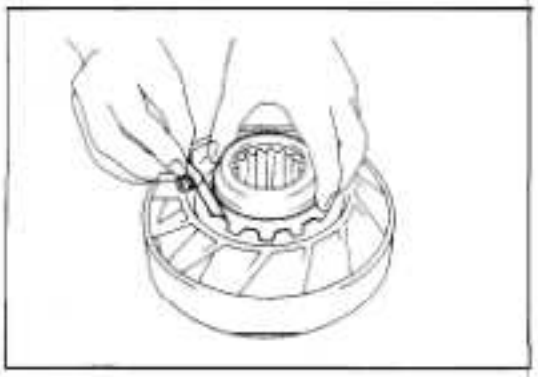
Inspection: Check the one-way clutch function before removing the stator.



Disassembly: Slowly remove the stator hub because rollers, springs and spring caps come off at a time.

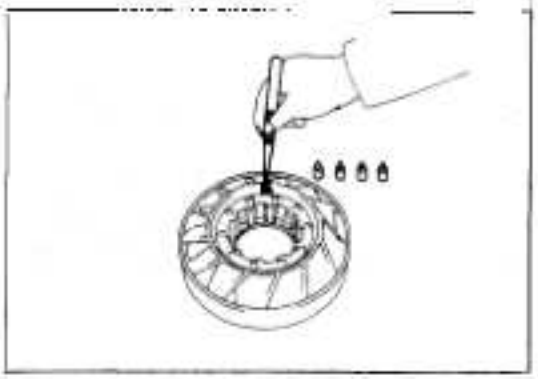
Inspection: Measure the roller outside diameter.

Standard: 8.30 mm (0.327 in)
Limit: 8.17 mm (0.322 in)



Inspection: Measure the clearance between the stator hub and stator cam.

Standard: 0.08 to 0.119 mm (0.003 to 0.005 in)
Limit: 0.15 mm (0.006 in)



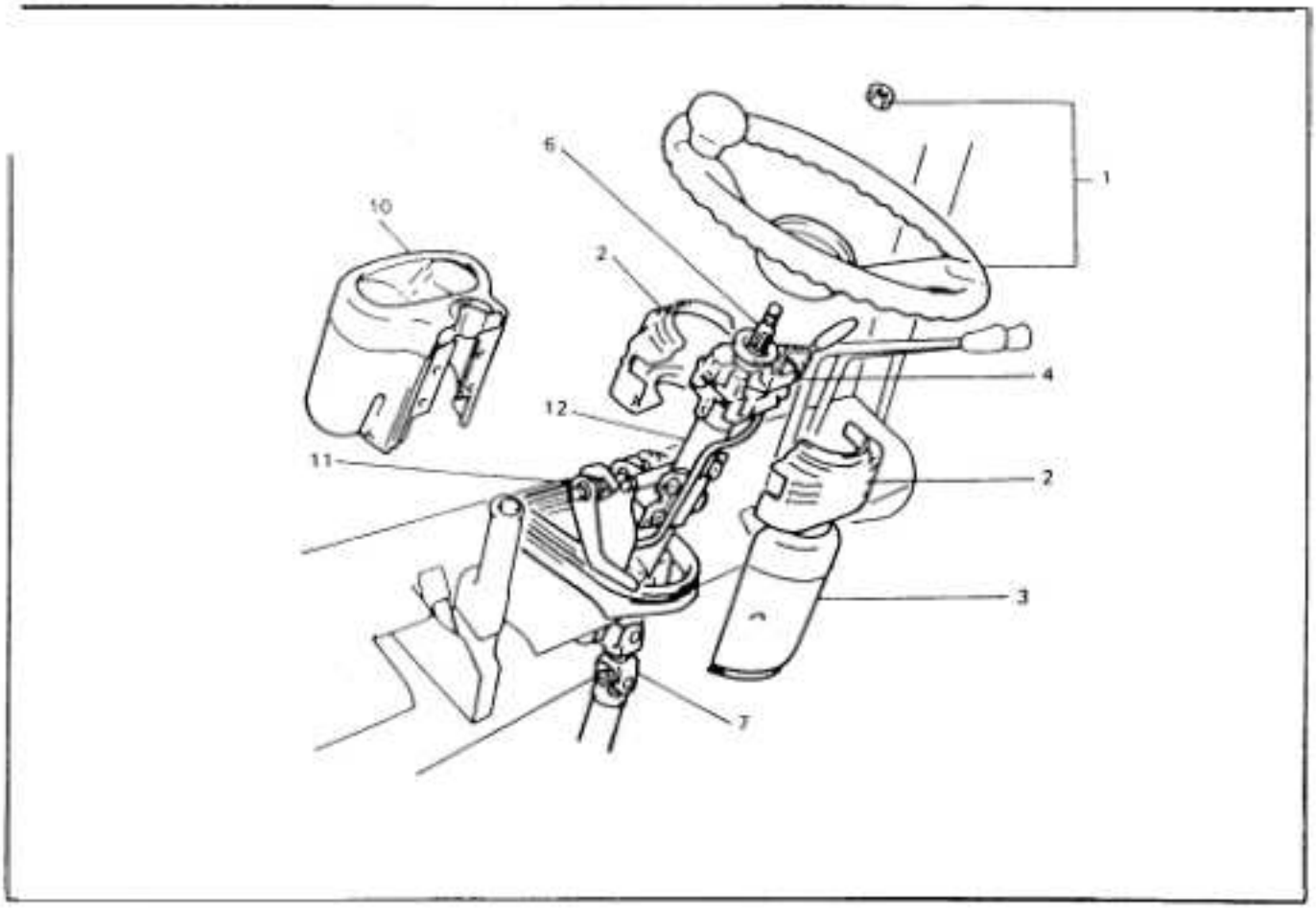
Reassembly: Stator installation

1. Apply grease on the springs and spring caps, and install them with tweezers or a similar tool.

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STEERING WHEEL·MAST JACKET

REMOVAL·INSTALLATION



Removal Procedure

1 Remove the steering wheel. [Point **1**]

2 Remove the turn signal switch cover.

3 Remove the combination meter cover.

4 Remove the turn signal switch.

5 Remove the steering universal joint set bolts. [Point 21

6 Extract the tilt steering shaft upward.

7 Remove the steering universal joint.

8 Remove the combination meter **ASSY** set bolts.

9 Disconnect the combination meter wiring.

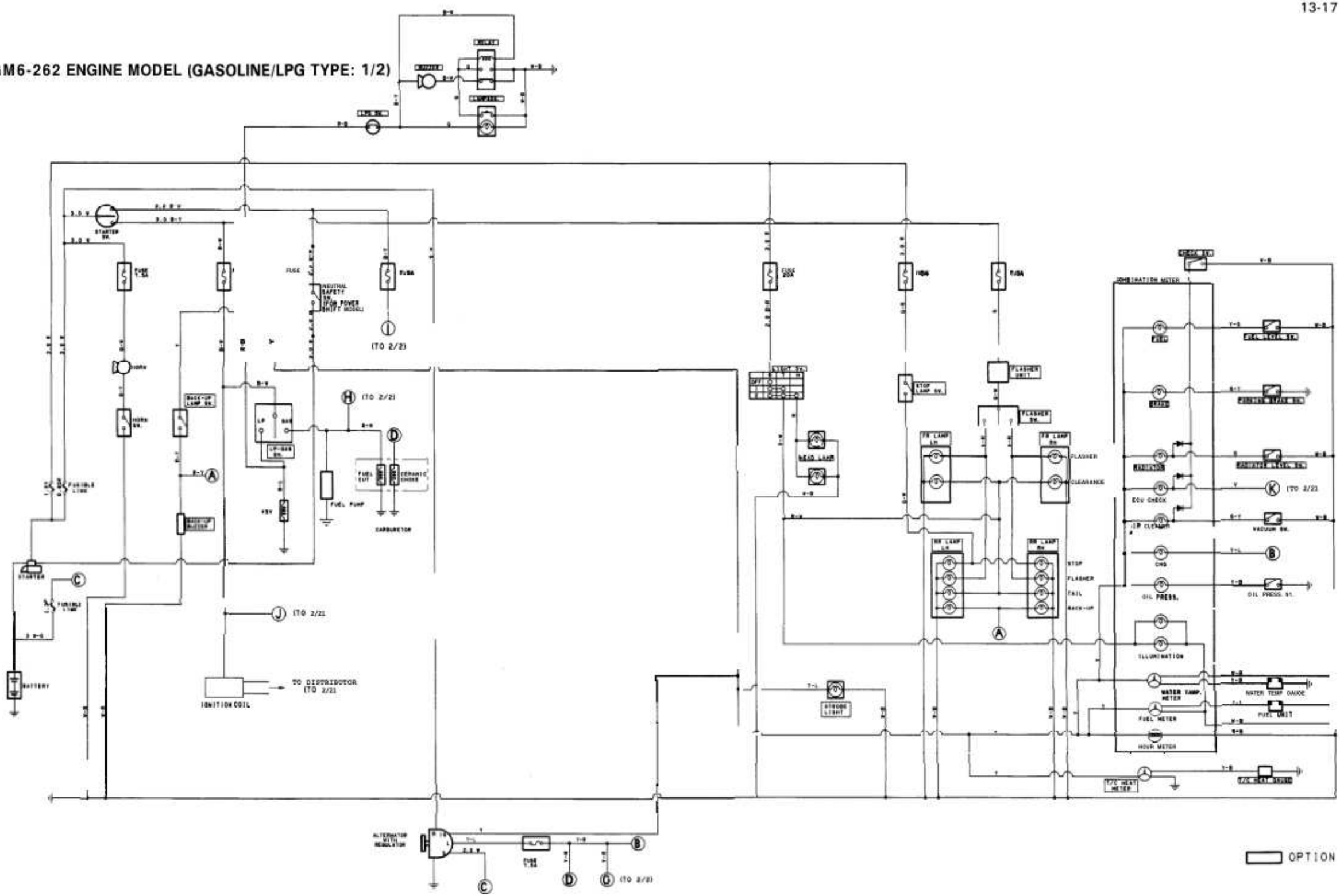
10 Remove the combination meter **ASSY.**

11 Remove the tilt lock device. [Point **3**]

12 Remove the mast jacket.

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GM6-262 ENGINE MODEL (GASOLINE/LPG TYPE: 1/2)



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