

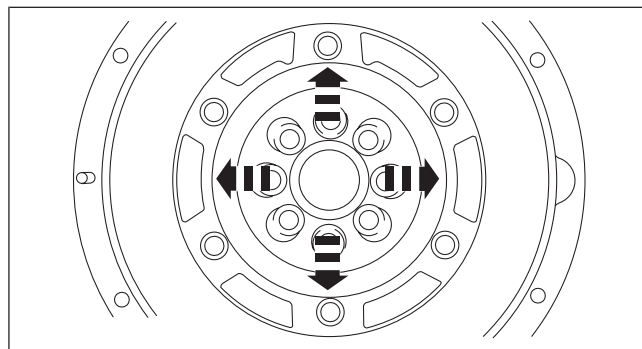
## DUAL-MASS FLYWHEEL INSPECTION [D66M-R, D66MX-R]

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### Caution

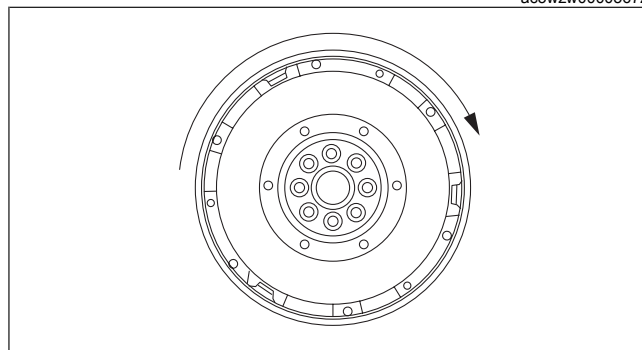
- Do not rework the dual-mass flywheel if it is distorted.
- Do not clean the dual-mass flywheel with any kind of fluid. Clean the dual-mass flywheel with a dry cloth only.
- Do not clean the gap between the primary and secondary mass. Only clean the bolt connection surface and the clutch surface.

1. Remove the manual transaxle. (See MANUAL TRANSAXLE REMOVAL/INSTALLATION [D66M-R].) (See MANUAL TRANSAXLE REMOVAL/INSTALLATION [D66MX-R].)
2. Remove the clutch cover and clutch disc. (See CLUTCH UNIT REMOVAL/INSTALLATION [D66M-R, D66MX-R].)
3. Rotate the dual-mass flywheel or attempt to move it up and down, and left and right to verify that the center of the dual-mass flywheel does not move.
  - If there is any movement as indicated by the arrows in the figure, replace the dual-mass flywheel.



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4. Verify that the secondary mass does not rotate by 15 teeth or more.
  - If it rotates by 15 teeth or more, replace the dual-mass flywheel.

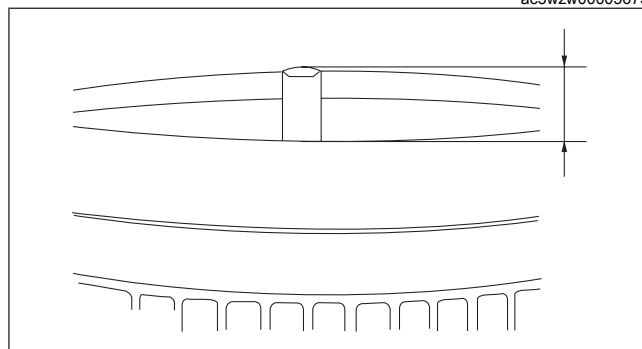


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5. Measure the amount of guide pin projection of the dual-mass flywheel.
  - If it exceeds the maximum amount, replace the dual-mass flywheel.

### Dual-mass flywheel guide pin projection maximum amount

11.0—12.0 mm {0.434—0.472 in}



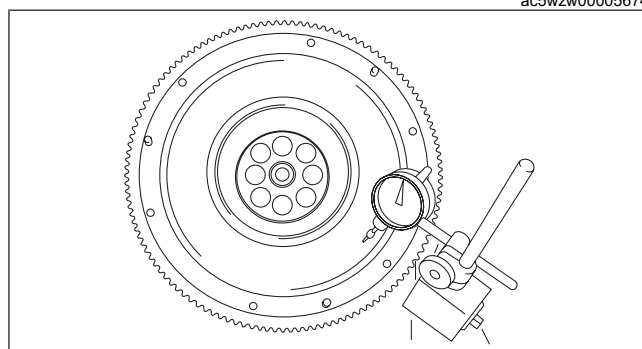
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6. Using a dial indicator, measure the dual-mass flywheel runout.
  - If it exceeds the maximum runout, replace the dual-mass flywheel.

### Dual-mass flywheel maximum runout

1.5 mm {0.059 in}

7. Remove the dual-mass flywheel. (See CLUTCH UNIT REMOVAL/INSTALLATION [D66M-R, D66MX-R].)
8. Visually inspect the dual-mass flywheel for crack.
  - If there is any crack, replace the dual-mass flywheel.

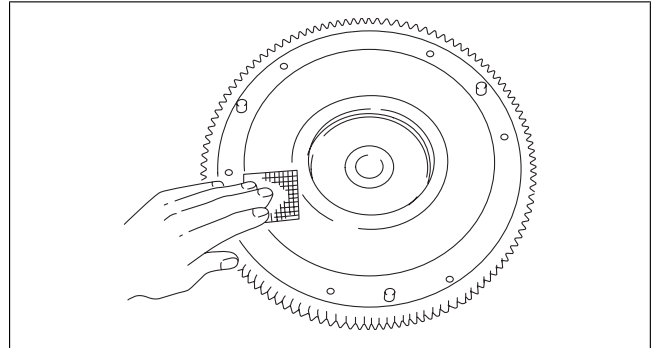


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9. Visually inspect the ring gear on the dual-mass flywheel for damage.
    - If there is any damage, replace the dual-mass flywheel.
  10. Visually inspect the surface that contacts the clutch disc for scratches, nicks, and discoloration.
    - If there is any malfunction, replace the the dual-mass flywheel.

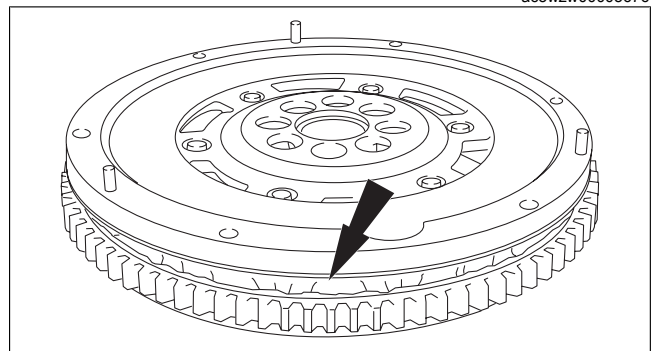
**Note**

- Correct slight scratches and discoloration using sandpaper.



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11. Visually inspect for grease leakage between the primary mass and secondary mass.
  - If there is grease leakage, replace the dual-mass flywheel.



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