



## WORKSHEET 2-1 Clutch Inspection

Vehicle:	Year/Prod. Date:	Engine	Transmission:
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### Worksheet Objectives

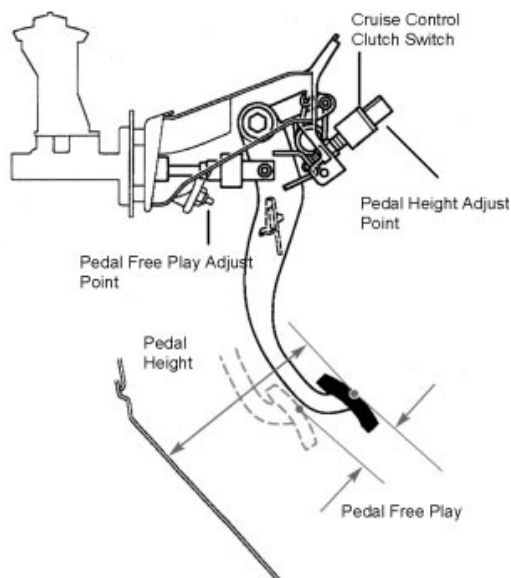
With this worksheet, you will learn where to measure and adjust clutch pedal height, pedal free play, and reserve distance from the clutch release point to the full stroke end position using the repair manual for service information.

### Tools and Equipment

- Vehicle Repair Manual

### Section 1: Clutch Pedal Height and Free Play

Pedal height is the first measurement and establishes the starting point for clutch pedal inspection. From the pedal height position, pedal free play and full stroke end position are determined.



1. With the clutch pedal in the full at-rest position, pedal height is the distance from the top of the clutch pedal pad to the asphalt sheet (under the carpet). What is the pedal height specification?

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2. Where is the adjustment for changing clutch pedal height?

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3. The distance from the full at-rest position, while pressing the clutch pedal down by hand, until clutch resistance is felt is pedal free play. What is the recommended clutch pedal free play?

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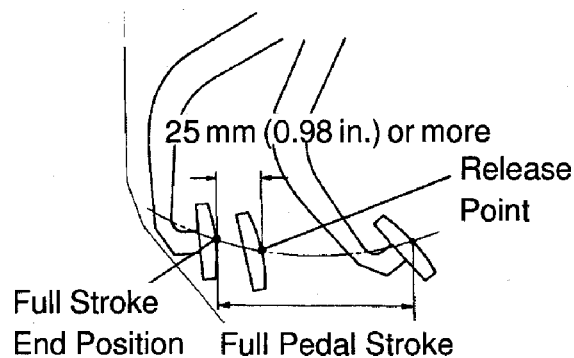
4. What affect might too little clutch pedal free play have on the clutch system operation?

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## Section 2: Clutch Pedal Reserve Distance Measurement



1. Inspect the clutch pedal release point by blocking the drive wheels, placing the transmission in 4th gear and slowly releasing the clutch pedal until the clutch just begins to engage; this is the release point. The reserve distance is the distance between the release point and the full stroke end position. What is the specified distance recommended by the repair manual?

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2. What affect would too much clutch pedal free play have on the release point?

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### Section 3: Effect of Clutch Disc Wear

1. When the clutch disc wears in a mechanical clutch system, what affect will it have on clutch pedal free play?

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2. When the clutch disc wears in a hydraulic clutch system, what affect will it have on clutch pedal free play?

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## Notes

# Clutch Inspection

Name: \_\_\_\_\_ Date: \_\_\_\_\_

Review this sheet as you are doing the Clutch Inspection worksheet. Check each category after viewing the instructor's presentation and completing the worksheet. Ask the instructor if you have questions regarding the topics provided below. Additional space is provided under Topic for you to list any other concerns that you would like your instructor to address. The comments section is provided for your personal comments,

I have questions

I know I can

## Topic

## Comment

Locate the clutch pedal height specification and adjustment.			
Locate the clutch pedal free play specification and adjustment.			
Locate clutch pedal reserve distance specification.			
Explain the effect of clutch disc wear on clutch pedal free play.			



## Notes