

BRAKES

Brake System (Inspection) - Sienna

BRAKE SYSTEM

PRECAUTION

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NOTE:

- The vehicle is equipped with an SRS (Supplemental Restraint System). Failure to carry out service operations in the correct sequence could cause the SRS to unexpectedly deploy during servicing. This may cause a serious accident. Before servicing (including inspection, replacement, removal, and installation of parts), be sure to read the precautionary notices for the Supplemental Restraint System. Refer to PRECAUTION .
- Care must be taken to replace each part properly as it could affect the performance of the brake system and result in a driving hazard. Replace the parts with those having the same part number or equivalent.
- It is very important to keep parts and the area clean when repairing the brake system.
- If the vehicle is equipped with a mobile communication system, refer to the precautions in the INTRODUCTION information. Refer to PRECAUTION .

PROBLEM SYMPTOMS TABLE

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HINT:

Use the table below to help determine the cause of problem symptoms. If multiple suspected areas are listed, the potential causes of the symptoms are listed in order of probability in the "Suspected Area" column of the table. Check each symptom by checking the suspected areas in the order they are listed. Replace parts as necessary.

BRAKE SYSTEM

Symptom	Suspected Area	See
Low or spongy pedal	Fluid leaks in brake system	-
	Air in brake system	Refer to <u>BLEEDING</u>
	Piston seals (Worn or damaged) (Front)	Refer to <u>DISASSEMBLY</u>
	Piston seals (Worn or damaged) (Rear)	Refer to <u>DISASSEMBLY</u>
	Master cylinder (Faulty)	Refer to <u>REMOVAL</u>
	Booster push rod (Adjustment)	

	necessary)	Refer to <u>INSPECTION</u>
Brake drag	Brake pedal free play (Insufficient)	Refer to <u>ADJUSTMENT</u>
	Parking brake pedal travel (Out of adjustment)	Refer to <u>ADJUSTMENT</u>
	Parking brake cable (Sticking)	Refer to <u>REMOVAL</u>
	Parking brake shoe clearance (Out of adjustment)	Refer to <u>ADJUSTMENT</u>
	Pad (Cracked or distorted) (Front)	Refer to <u>INSPECTION</u>
	Pad (Cracked or distorted) (Rear)	Refer to <u>INSPECTION</u>
	Piston (Stuck) (Front)	Refer to <u>INSPECTION</u>
	Piston (Stuck) (Rear)	Refer to <u>INSPECTION</u>
	Piston (Seized) (Front)	Refer to <u>INSPECTION</u>
	Piston (Seized) (Rear)	Refer to <u>INSPECTION</u>
	Vacuum leaks in booster system	Refer to <u>ON-VEHICLE INSPECTION</u>
	Master cylinder (Faulty)	Refer to <u>REMOVAL</u>
	Booster push rod (Adjustment necessary)	Refer to <u>INSPECTION</u>
Brake pull	Piston (Stuck) (Front)	Refer to <u>INSPECTION</u>
	Piston (Stuck) (Rear)	Refer to <u>INSPECTION</u>
	Pad (Oily) (Front)	Refer to <u>INSPECTION</u>
	Pad (Oily) (Rear)	Refer to <u>INSPECTION</u>
	Piston (Seized) (Front)	Refer to <u>INSPECTION</u>
	Piston (Seized) (Rear)	Refer to <u>INSPECTION</u>
	Disc (Scored) (Front)	Refer to <u>INSPECTION</u>
	Disc (Scored) (Rear)	Refer to <u>INSPECTION</u>
	Pad (Cracked or distorted) (Front)	Refer to <u>INSPECTION</u>
	Pad (Cracked or distorted) (Rear)	Refer to <u>INSPECTION</u>
Hard pedal but brake inefficient	Fluid leaks in brake system	-
	Air in brake system	Refer to <u>BLEEDING</u>
	Pad (Worn) (Front)	Refer to <u>INSPECTION</u>
	Pad (Worn) (Rear)	Refer to <u>INSPECTION</u>
	Pad (Cracked or distorted) (Front)	Refer to <u>INSPECTION</u>
	Pad (Cracked or distorted) (Rear)	Refer to <u>INSPECTION</u>
	Pad (Oily) (Front)	Refer to <u>INSPECTION</u>
	Pad (Oily) (Rear)	Refer to <u>INSPECTION</u>
	Pad (Glazed) (Front)	Refer to <u>INSPECTION</u>

	Pad (Glazed) (Rear)	Refer to <u>INSPECTION</u>
	Disc (Scored) (Front)	Refer to <u>INSPECTION</u>
	Disc (Scored) (Rear)	Refer to <u>INSPECTION</u>
	Vacuum leaks in booster system	Refer to <u>ON-VEHICLE INSPECTION</u>
	Ejector tube	Refer to <u>INSPECTION</u>
	No. 1 vacuum switching valve assembly	Refer to <u>INSPECTION</u>
Noise from brakes	Pad (Cracked or distorted) (Front)	Refer to <u>INSPECTION</u>
	Pad (Cracked or distorted) (Rear)	Refer to <u>INSPECTION</u>
	Cylinder mounting bolt (Loose) (Front)	Refer to <u>INSTALLATION</u>
	Cylinder mounting bolt (Loose) (Rear)	Refer to <u>INSTALLATION</u>
	Disc (Scored) (Front)	Refer to <u>INSPECTION</u>
	Disc (Scored) (Rear)	Refer to <u>INSPECTION</u>
	Pad support plate (Loose) (Front)	Refer to <u>INSPECTION</u>
	Pad support plate (Loose) (Rear)	Refer to <u>INSPECTION</u>
	Sliding pin (Worn) (Front)	Refer to <u>REMOVAL</u>
	Sliding pin (Worn) (Rear)	Refer to <u>REMOVAL</u>
	Pad (Dirty) (Front)	Refer to <u>INSPECTION</u>
	Pad (Dirty) (Rear)	Refer to <u>INSPECTION</u>
	Pad (Glazed) (Front)	Refer to <u>INSPECTION</u>
	Pad (Glazed) (Rear)	Refer to <u>INSPECTION</u>
	Anti-squeal shim (Damaged) (Front)	Refer to <u>REMOVAL</u>
	Anti-squeal shim (Damaged) (Rear)	Refer to <u>REMOVAL</u>