

14. General Diagnostics Table

A: INSPECTION

Symptom		Probable faulty units/parts
Vehicle becomes unstable during braking	Vehicle pulls to either side.	<ul style="list-style-type: none"> • ABSCM & H/U (solenoid valve) • ABS sensor • Brake (caliper & piston, pads) • Wheel alignment • Tire specifications, tire wear and air pressures • Incorrect wiring or piping connections • Road surface (uneven, camber)
	Vehicle spins out.	<ul style="list-style-type: none"> • ABSCM & H/U (solenoid valve) • ABS sensor • Brake (pads) • Tire specifications, tire wear and air pressures • Incorrect wiring or piping connections
Poor braking	Long braking/stopping distance	<ul style="list-style-type: none"> • ABSCM & H/U (solenoid valve) • Brake (pads) • Air in brake lines • Tire specifications, tire wear and air pressures • Incorrect wiring or piping connections
	Wheels lock.	<ul style="list-style-type: none"> • ABSCM & H/U (solenoid valve, motor) • ABS sensor • Incorrect wiring or piping connections
	Brake dragging	<ul style="list-style-type: none"> • ABSCM & H/U (solenoid valve) • ABS sensor • Master cylinder • Brake (caliper & piston) • Parking brake • Axle & wheels • Brake pedal play
	Long brake pedal stroke	<ul style="list-style-type: none"> • Air in brake lines • Brake pedal play
	Vehicle pitching	<ul style="list-style-type: none"> • Suspension play or fatigue (reduced damping) • Incorrect wiring or piping connections • Road surface (uneven)
	Unstable or uneven braking	<ul style="list-style-type: none"> • ABSCM & H/U (solenoid valve) • ABS sensor • Brake (caliper & piston, pads) • Tire specifications, tire wear and air pressures • Incorrect wiring or piping connections • Road surface (uneven)
Vibration and/or noise (while driving on slippery roads)	Excessive pedal vibration	<ul style="list-style-type: none"> • Incorrect wiring or piping connections • Road surface (uneven)
	Noise from ABSCM & H/U	<ul style="list-style-type: none"> • ABSCM & H/U (mount bushing) • ABS sensor • Brake piping
	Noise from front of vehicle	<ul style="list-style-type: none"> • ABSCM & H/U (mount bushing) • ABS sensor • Master cylinder • Brake (caliper & piston, pads, rotor) • Brake piping • Brake booster & check valve • Suspension play or fatigue
	Noise from rear of vehicle	<ul style="list-style-type: none"> • ABS sensor • Brake (caliper & piston, pads, rotor) • Parking brake • Brake piping • Suspension play or fatigue

GENERAL DIAGNOSTICS TABLE

ABS (DIAGNOSTICS)
