(after diagnosing accelerometer) Recalibrate vehicle ON

	POTENTIAL CAUSE	DIAGNOSIS / SOLUTION
ISSUE	POTENTIAL CAUSE	DIAGNOSIS / SOLUTION
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1550E	POTENTIAL CAUSE	DIAGNOSIS / SOLUTION

	H.L. LED not working	(1) ensure panel connector is locked, (2) ensure ECU connector is locked, (3) (if still not working) replace switch panel.
	Push-button not working	Replace switch panel
ISSUE	POTENTIAL CAUSE	DIAGNOSIS / SOLUTION
Coach has developed a lean after ignition off and sitting overnight (not in horizon leveling)	Air harness / Air spring leak	With engine on to supply air, set vehicle at ride height. Turn off ignition, measure vehicle height at each corner. After sufficient time to see lean, measure vehicle heights. Correct leak at the appropriate corner.
ISSUE	POTENTIAL CAUSE	DIAGNOSIS / SOLUTION
Coach operation sporatic; Will not maintain a height but system is operating (lights on switch panel function).	Height sensor damage	Inspect each height sensor to ensure that rotating arm is not broken and that linkage is attached to the rotating arm and the bracket on the suspension control arm.
	Water in ECU	Check ECU for watermarks on outside of case, water dripping from inside case, or rust marks on screws or serial cable connector. Replace ECU if watermarks are found.
	Water in height sensors	Inspect each height sensor connector to ensure the (3) cable seals are in place and (3) plugs are in place / not damaged. Remove sensor and inspect connector cavity for water marks. If water is detected, replace sensor and repair harness connector. Recalibrate vehicle ON LEVEL SURFACE.
	Air harness / Air spring leak	With engine on to supply air, set vehicle at ride height. Turn off ignition, measure vehicle height at each corner. After sufficient time to see lean, measure vehicle heights. Correct leak at the appropriate corner.
	Insufficient air pressure	Make sure engine is running and pressure gauge shows over 100 psig while system is attempting to achieve heights.
	Suspect wire harness	Check VIN for first three production units. If vehicle is one of three first production units, replace wire harness.
	Valves won't open	Using diagnostic tool, start by diagnosing 'height sensors'. Using tool, inflate / deflate each corner to ensure valves are working. If not, replace manifold.
	RR valve won't open	Using diagnostic tool, direct air into RR valve. If valve will not open, replace ECU and recalibrate system ON LEVEL SURFACE.
	Debris in ECU	Shake ECU lightly. If a rattle is apparent, replace ECU and recalibrate system ON LEVEL SURFACE.
ISSUE	POTENTIAL CAUSE	DIAGNOSIS / SOLUTION
Coach can not achieve Raised or Kneel heights (lights start flashing during height change, but coach comes back to Ride height); OR coach achieves Raised and Kneel, but vehicle is not level. Coach is level at Ride height	Insufficient air pressure	Make sure engine is running and pressure gauge shows over 100 psig while system is attempting to achieve heights (up movements).
	Sensors modified	Check height sensor / link locations (see pictures). If linkage is in incorrect position, move linkage to correct hole.
	Sensors damaged	Inspect each height sensor for bent brackets or links, broken rotating arm, links in wrong hole on arm. If appear OK, connect diagnostic tool, diagnose height sensors.

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