

PINPOINT TEST B : THE HIGH BEAMS ARE INOPERATIVE

TEST CONDITIONS	DETAILS/RESULTS/ACTIONS
B1: DETERMINE THE FAULT CONDITION	
	1 Ignition ON.
	2 CHECK the high beam headlamps after every step.
	3 OPERATE headlamp flasher.
	4 TURN ON the high beam.
	Do the high beam headlamps only work in one switch position? Yes GO to B8. No GO to B2.
B2: CHECK FUSE F9 (15 A) (CJB).	
	1 Ignition OFF.
	2 Disconnect Fuse F9 (15 A) (CJB).
	3 CHECK Fuse F9 (15 A) (CJB).
	Is the fuse OK.? Yes GO to B3. No

	RENEW fuse F9 (15 A) (CJB). CHECK system operates correctly If the fuse blows again, LOCATE and RECTIFY the short to ground using the Wiring Diagrams. CHECK system operates correctly
B3: CHECK THE VOLTAGE SUPPLY TO FUSE F9 (15 A) (CJB) FOR OPEN CIRCUIT	
	1 Connect Fuse F9 (15 A) (CJB).
	2 Ignition ON.
	3 Measure the voltage between fuse F9 (15 A) (CJB) and ground.
	Does the meter display battery voltage? Yes GO to B4. No LOCATE AND RECTIFY the break in the voltage supply of fuse F9 (15 A) (CJB) using the Wiring Diagrams. CHECK system operates correctly
B4: CHECK FUSE F7 (7.5 A) (CJB).	
	1 Ignition OFF.
	2 Disconnect Fuse F7 (7.5 A) (CJB).
	3 CHECK Fuse F7 (7.5 A) (CJB).
	Is the fuse OK.? Yes GO to B5. No RENEW fuse F7 (7.5 A) (CJB). CHECK system operates correctly If the fuse blows again, LOCATE and RECTIFY the short to ground using the Wiring Diagrams. CHECK system operates correctly
B5: CHECK THE VOLTAGE SUPPLY TO FUSE F7 (7.5 A) (CJB) FOR OPEN	

CIRCUIT	
	1 Connect Fuse F7 (7.5 A) (CJB).
	2 Ignition ON.
	3 Measure the voltage between fuse F7 (7.5 A) (CJB) and ground.
	Does meter display battery voltage? Yes GO to B6. No LOCATE AND RECTIFY the break in the voltage supply of fuse F7 (7.5 A) (CJB) using the Wiring Diagrams. CHECK system operates correctly
B6: CHECK THE VOLTAGE SUPPLY TO THE STEERING WHEEL/STEERING COLUMN MODULE FOR OPEN CIRCUIT	
	1 Ignition OFF.
	2 Disconnect Steering wheel/steering column module from connector C2LS41.
	3 Measure the resistance between the CJB, connector C1BP02C, pin 70, circuit SBP07A (WH/RD), wiring harness side and the steering wheel/steering column module, connector C2LS41, pin 1, circuit SBP07A (WH/RD), wiring harness side.
	Is a resistance of less than 2 Ohms registered? Yes GO to B7. No LOCATE and RECTIFY the break in the circuits between the steering wheel/steering column module and fuse F7 (7.5 A) (CJB) with the aid of the Wiring Diagrams. CHECK system operates correctly

B7: CHECK THE GROUND CONNECTION OF THE STEERING WHEEL/STEERING COLUMN MODULE FOR OPEN CIRCUIT

	1 Ignition OFF.
	2 Measure the resistance between the steering wheel/steering column module, connector C2LS41, pin 14, circuit GD138AY (BK/WH), wiring harness side and ground.
	Is a resistance of less than 2 Ohms registered? Yes GO to B8. No LOCATE and RECTIFY the break in the circuits between the steering wheel/steering column module and ground connection G6D139 with the aid of the Wiring Diagrams. CHECK system operates correctly

B8: RULE OUT THE HIGH BEAM HEADLAMP SWITCH AS THE CAUSE OF THE FAULT

	1 CHECK the high beam headlamp switch according to the component tests at the end of this subsection:
	Is the high beam headlamp switch OK? ? Yes CHECK the CJB and the steering wheel/steering column module with the aid of WDS and RENEW if necessary. CHECK system operates correctly If the concern persists: REFER to: Communications Network (418-00 Module Communications Network, Diagnosis and Testing). No RENEW the high beam headlamp switch. CHECK system operates correctly