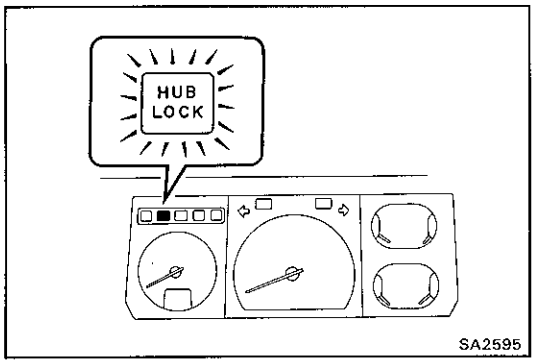
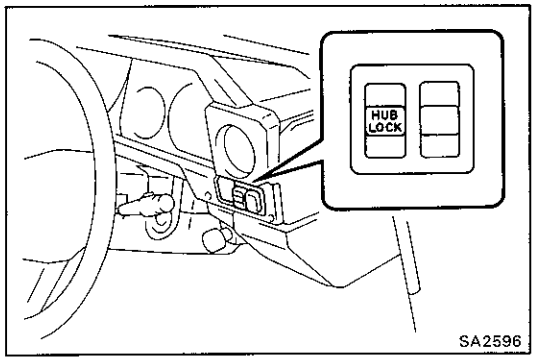




Troubleshooting

INSPECTION OF TROUBLES IN SYSTEM

1. INSPECT HUB LOCK INDICATOR LIGHT

(a) Turn the ignition switch on.

(b) Turn the hub lock switch on.

(c) Check that the hub lock indicator light lights on.

(d) Turn the hub lock switch off.

(e) Check that the hub lock indicator light lights off.

2. INSPECT HUB LOCK OPERATION

(a) Jack up the front of the vehicle.

(b) Turn the ignition switch on.

(c) Turn the hub lock control switch on.

(d) Inspect the condition of the hub lock indicator light and hub.

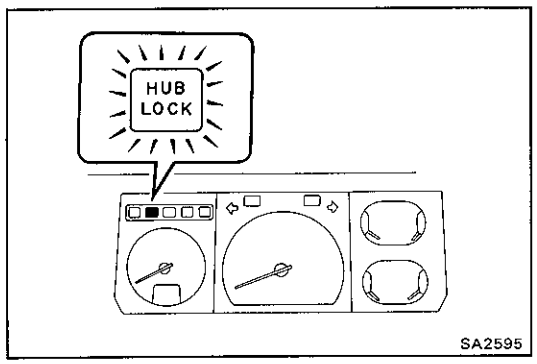
HINT:

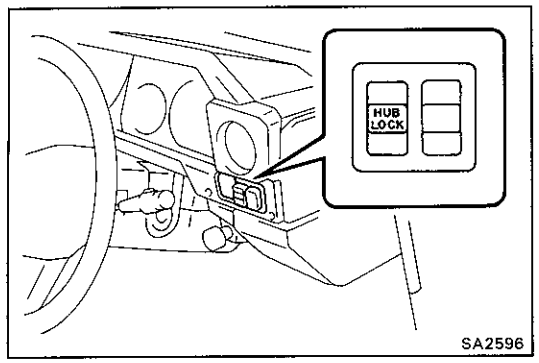
- When turn the hub lock control switch on, slowly the front wheels by hand to lock the hub.
- When check that the hub is in lock condition, set the transfer to 2WD condition and turn the front propeller shaft then confirm that the left and right wheels turn.

Hub Lock Control Switch	Indicator Light	Hub
OFF	Light Off	Free
ON	Light On	Lock

(e) Turn the ignition switch off.

(f) Jack down vehicle.





3. INSPECT SYSTEM OPERATION

(a) Jack up the vehicle, and start the engine.

(b) Keep the vehicle speed at 8 km/h (7.0 mph) or more until the step (e) is completed, and turn the hub lock control switch on.

(c) Check that the hub lock indicator light blinks.

(d) (w/ One-touch 2-4 selector switch)
Turn the H4 switch on.

(e) (w/o One-touch 2-4 selector switch)
Change the selector lever to the H4 mode.

(f) Check that the hub lock indicator light lights up, then turn the H4 switch off.

(g) Keep the vehicle speed at 5km/ h (3.1 mph) or less.

(h) Check that the hub lock indicator light lights up.

(i) Stop the engine, and jack down the vehicle.

SYSTEM TROUBLESHOOTING

TROUBLESHOOT SYSTEM WITH TABLE BELOW

HINT: Before troubleshoot the system, confirm the troubles by the "INSPECTION OF TROUBLES IN SYSTEM" (See page SA-18), then inspect the trouble according to the following table.

You will find the cause of trouble more easily using the table shown below. In this table, the numbers indicate the order priority of the causes in troubles. Check each part in the order shown. If necessary, replace the parts.

See page / Parts name / Trouble	SA-21									SA-21	SA-21	SA-20	SA-21	SA-23	—
	Power Locking Hub ECU														
	Terminal and terminal No.														
	1	3	4	5	6	7	8	9	10						
	SPD	M1	M2	4WD	PLH	GND	PLP	4LP	IG	Indicator Light	4WD Detection Switch	4wd Control Switch (Hub Lock Switch)	Speed Sensor	Power Locking Hub Actuator	Wire Harness
Hub lock indicator light dose not turn on					2		3		1	5		4			6
Hub does not become "FREE" to "LOCK" condition		4	4		3	2			1			5		6	7
Hub does not become "LOCK" to "FREE" condition		4	4		3	2			1			5		6	7
System operates abnormally	1			3				4		7	6	5	2		8