




# SERVICE BULLETIN

QUALITY INFORMATION ANALYSIS  
OVERSEAS SERVICE DEPT. MITSUBISHI MOTORS CORPORATION

<b>SERVICE BULLETIN</b>		No.: MSB-99E23-502	
		Date: 1999-07-30	<Model> <M/Y>
<b>Subject:</b> ADDITION OF "VEHICLE SPEED" TO A/T SHIFT PATTERN CHART		(EC)SPACE	99-10
<b>Group:</b> AUTOMATIC TRANSAXLE		WAGON(N60,N80)	
		<b>Draft No.:</b> 99RV011110	
<b>CORRECTION</b>	OVERSEAS SERVICE DEPT	 T.NITTA - VICE GENERAL MANAGER QUALITY INFORMATION ANALYSIS	

**1. Description:**

The "vehicle speed" has been added to the A/T shift pattern chart.

**2. Applicable Manuals:**

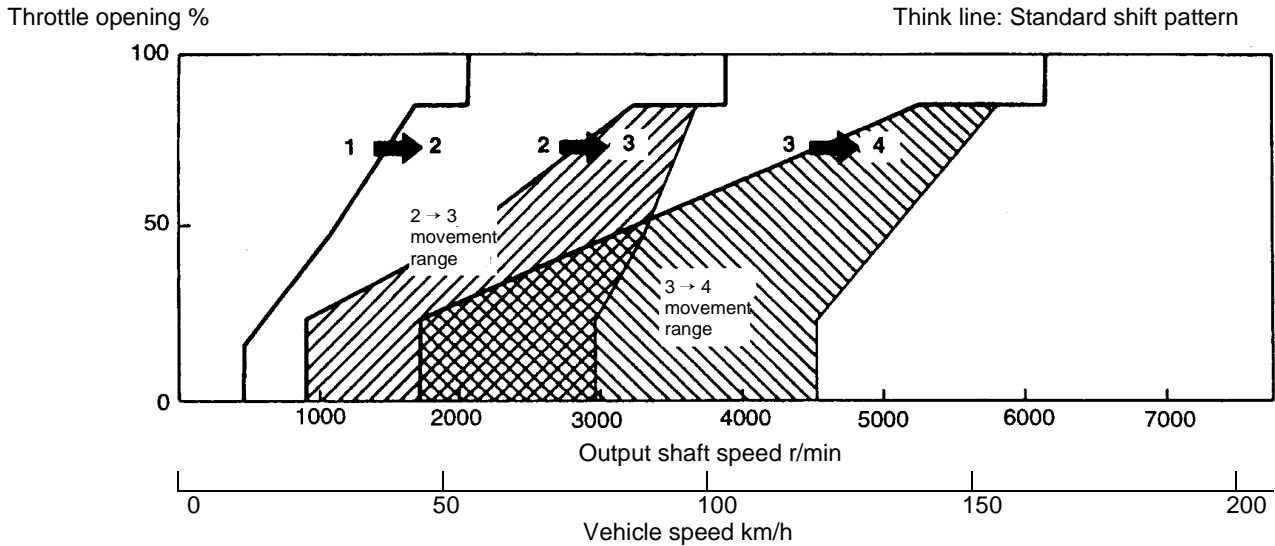
Manual	Pub. No.	Language	Page(s)
'99 SPACE RUNNER/WAGON Workshop Manual Chassis	PWDE9803	(English)	23-10, 11
	PWDS9804	(Spanish)	
	PWDF9805	(French)	
	PWDG9806	(German)	
	PWDD9807	(Dutch)	
	PWDW9808	(Swedish)	

No.	State prior to test and operation	Test and operation	Judgement value	Check item	Diagnosis code No.	Inspection procedure page if there is an abnormality
9	Selector lever position: N (Carry out on a flat and straight road.)	Monitor data list No. 22 and No. 23 with the MUT-II. Move selector lever to R range, drive at constant speed of 10 km/h.	The ratio between data list No.23 should be the same as the gear ratio when reserving.	Does not shift	22	Input shaft speed sensor system (23-14)
					23	Output shaft speed sensor system (23-15)
					46	Reserve gear ratio is not specified (23-22)

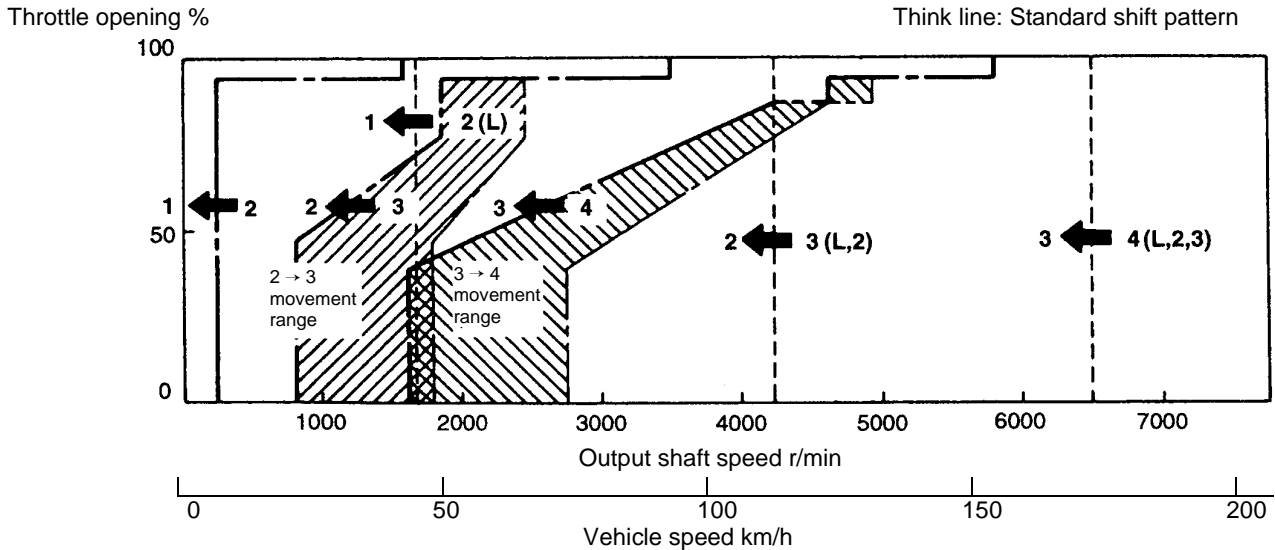
**SHIFT PATTERN**

<4G93>

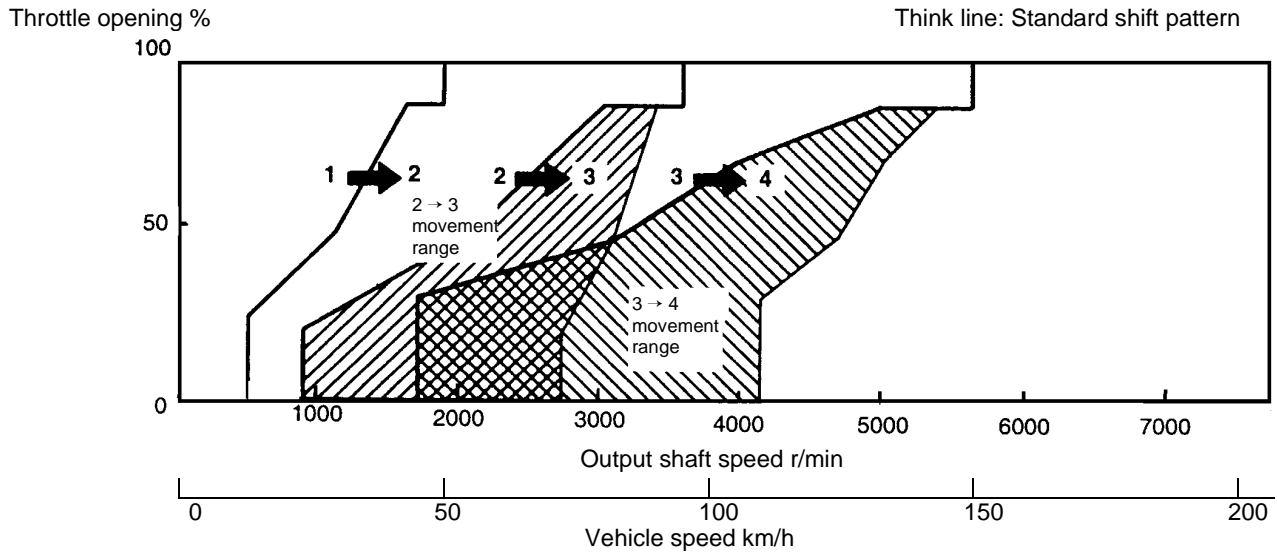
**UPSHIFT PATTERN**



**DOWNSHIFT PATTERN**

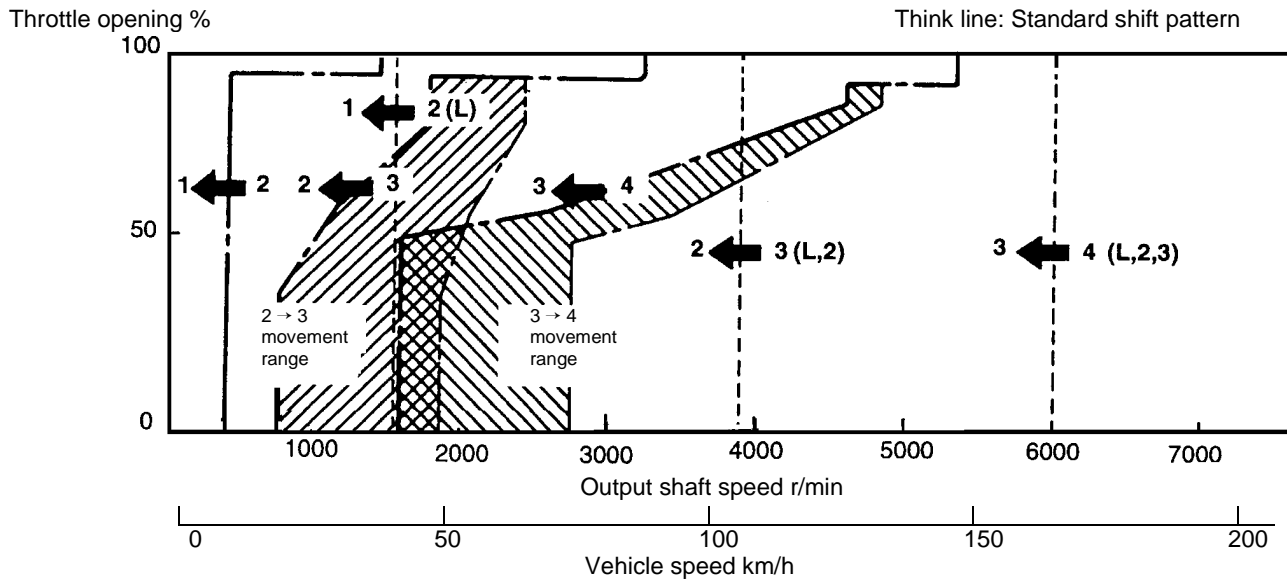


**<4G64>  
UPSHIFT PATTERN**



WO118AE

**DOWNSHIFT PATTERN**



WO119AE