

# REAR AXLE & REAR SUSPENSION

## SECTION RA

### SERVICE DATA AND SPECIFICATIONS

Item	Europe				Australia			
	Hardtop		Wagon		Hardtop		Wagon	
	L28	SD33 SD33T	L28	SD33 SD33T	L28	SD33 SD33T	L28	SD33 SD33T
Destination	Europe				Australia			
Vehicle model	Hardtop		Wagon		Hardtop		Wagon	
Engine	L28	SD33 SD33T	L28	SD33 SD33T	L28	SD33 SD33T	L28	SD33 SD33T
Pick-up							L28	P
Suspension type	Semi-elliptic leaf spring							
Leaf spring	1,420 x 60 x 8 (55.91 x 2.36 x 0.31) x 11 (55.91 x 2.36 x 0.31) - 2 1,420 x 60 x 7 (55.91 x 2.36 x 0.28) x 0.43 - 3							
Length x width x thickness - Number of leaves mm (in) Main	1,420 x 60 x 7 (55.91 x 2.36 x 0.28) - 4 1,420 x 60 x 8 (55.91 x 2.36 x 0.31) - 1		1,420 x 60 x 7 (55.91 x 2.36 x 0.28) - 4 1,420 x 60 x 8 (55.91 x 2.36 x 0.31) - 1		1,420 x 60 x 7 (55.91 x 2.36 x 0.28) - 4 1,420 x 60 x 8 (55.91 x 2.36 x 0.31) - 1		1,420 x 60 x 7 (55.91 x 2.36 x 0.28) - 4 1,420 x 60 x 8 (55.91 x 2.36 x 0.31) - 1	
Helper mm (in) Thickness - Number of leaves	11 (0.43) - 2		11 (0.43) - 2		11 (0.43) - 2		11 (0.43) - 1 12 (0.47) - 1	
Spring constant N/mm (kg/mm, lb/in)	44.1 - 58.8 (4.5 - 6.0, 252 - 336)		44.1 - 58.8 (4.5 - 6.0, 252 - 336)		44.1 - 58.8 (4.5 - 6.0, 252 - 336)		44.1 - 78.5 (4.5 - 8.0, 252 - 448)	
Free camber mm (in)	191 (7.52)		191 (7.52)		191 (7.52)		199 (7.83)	
Shock absorber								
Maximum length mm (in)	539 (21.22)		539 (21.22)		539 (21.22)		519 (20.43)	
Stroke mm (in)	217 (8.54)		217 (8.54)		217 (8.54)		207 (8.15)	
Damping force [0.3 m (1.0 ft)/sec.] Expansion N (kg, lb)	1,059 (108, 238)		1,059 (108, 238)		1,059 (108, 238)		1,059 (108, 238)	
Compression	451 (46, 101)		451 (46, 101)		451 (46, 101)		451 (46, 101)	

**SERVICE DATA AND SPECIFICATIONS**

Destination	Middle East						Except for Europe, Australia and Middle East											
	Hardtop		Wagon		Van	Pick-up	Wagon		Hardtop	Wagon	Van	Pick-up	Fire					
	L28	P	L28	P	P	P	L28	SD33 SD33T P	L28	SD33 SD33T P	SD33 P	SD33 L28 P	P					
Vehicle model	4-wheel drive						2-wheel drive						4-wheel drive					
Engine	L28	P	L28	P	P	P	L28	SD33 SD33T P	L28	SD33 SD33T P	SD33 P	SD33 L28 P	P					
Item	Semi-elliptic leaf spring																	
Suspension type	Semi-elliptic leaf spring																	
Leaf spring	1,420 x 60 x 10 (55.91 x 2.36 x 0.39)																	
Length x width x thickness	1,420 x 60 x 7 (55.91 x 2.36 x 0.28) - 4																	
- Number of leaves mm (in)	1,420 x 60 x 8 (55.91 x 2.36 x 0.31) - 1																	
Main	1,420 x 60 x 7 (55.91 x 2.36 x 0.28) - 4																	
	1,420 x 60 x 8 (55.91 x 2.36 x 0.31) - 1																	
	1,420 x 60 x 7 (55.91 x 2.36 x 0.28) - 4																	
	1,420 x 60 x 8 (55.91 x 2.36 x 0.31) - 1																	
	1,420 x 60 x 7 (55.91 x 2.36 x 0.28) - 4																	
	1,420 x 60 x 8 (55.91 x 2.36 x 0.31) - 1																	
Helper	11 (0.43)																	
Thickness - Number of leaves	7 (0.28) - 4																	
Spring constant	44.1 - 58.8 (4.5 - 6.0, 252 - 336)																	
N/mm (kg/mm, lb/in)	44.1 - 58.8 (4.5 - 6.0, 252 - 336)																	
Free camber	191 (7.52)																	
Shock absorber	187 (7.36)																	
Maximum length	489 (19.25)																	
Stroke	182 (7.17)																	
Damping force [0.3 m (1.0 ft)/sec.]	539 (21.22)																	
Expansion	217 (8.54)																	
Compression	207 (8.15) 217 (8.54)																	
	1,059 (108, 238)																	
	451 (46, 101)																	