SUSPENSION AND AXLE SERVICE DATA

S051-07

	P205/75R15 97S	Front Rear	200 kPa (2.0 kgf/cm ² , 29 psi) 200 kPa (2.0 kgf/cm ² , 29 psi)
			, , ,
	P235/55R16 96T	Front Rear	200 kPa (2.0 kgf/cm ² , 29 psi) 220 kPa (2.2 kgf/cm ² , 32 psi)
	D205/75D45 4020		, , ,
	P225/75R15 102S	Front Rear	180 kPa (1.8 kgf/cm ² , 26 psi) 200 kPa (2.0 kgf/cm ² , 29 psi)
Cold tire inflation	P265/70R16 111S	Front	
pressure	1 203/10/(10 1113	Rear	180 kPa (1.8 kgf/cm ² , 26 psi)
	P265/70R16 111T		
	Except double cab models	Front	180 kPa (1.8 kgf/cm², 26psi)
	·	Rear	
	Double cab models	Front	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
		Rear	180 kPa (1.8 kgf/cm ² , 26psi)
	Vehicle height		
	RZN140L-TRMDKAB	Front: A*1 – B*2	26 mm (1.02 in.)
		Rear: C*3 – D*4	37 mm (1.46 in.)
	RZN140L-TRPDKAB	Front: A*1 – B*2	28 mm (1.10 in.)
		Rear: C*3 – D*4	38 mm (1.50 in.)
	RZN150L-CRMDKAB	Front: A*1 – B*2	25 mm (0.98 in.)
		Rear: C*3 – D*4	46 mm (1.18 in.)
	RZN150L-CRPDKAB	Front: A*1 – B*2 Rear: C*3 – D*4	27 mm (1.06 in.) 46 mm (1.18 in.)
	VZN150L-CRMDKAB	Front: A*1 – B*2	35 mm (1.38 in.)
	VZINTSUL-CRIVIDRAD	Rear: C*3 – D*4	57 mm (2.24 in.)
	● Camber		0°00' ± 45' (0.00° ± 0.75°)
	• cambo	Right-left error	30' (0.5°) or less
Front wheel	● Caster		Right – left error: 30' (0.5°) or less
Alignment (2WD except pre runner)	RZN140L-TRMDKAB		
except pre runner)	Tire size: P205/75R15 97S		$0^{\circ}13' \pm 45' (0.22^{\circ} \pm 0.75^{\circ})$
	Tire size: P235/55R16 96T		0°12' ± 45' (0.20° ± 0.75°)
	RZN140L-TRPDKAB		0°40\ , 45\(0.04\cdot\ 0.07\cdot\
	Tire size: P205/75R15 97S Tire size: P235/55R16 96T		$0^{\circ}13' \pm 45' (0.21^{\circ} \pm 0.75^{\circ})$ $0^{\circ}12' \pm 45' (0.20^{\circ} \pm 0.75^{\circ})$
	RZN150L-CRMDKAB		0 12 ± 45 (0.20 ± 0.75)
	Tire size: P205/75R15 97S		0°40' ± 45' (0.67° ± 0.75°)
	Tire size: P235/55R16 96T		$0^{\circ}40' \pm 45' (0.66^{\circ} \pm 0.75^{\circ})$
	RZN150L-CRPDKAB		
	Tire size: P205/75R15 97S		$0^{\circ}41' \pm 45' (0.68^{\circ} \pm 0.75^{\circ})$
	Tire size: P235/55R16 96T		$0^{\circ}40' \pm 45' (0.67^{\circ} \pm 0.75^{\circ})$
	VZN150L-CRMDKAB		$0^{\circ}55' \pm 45' (0.92^{\circ} \pm 0.75^{\circ})$
	 Steering axis inclination 		$10^{\circ}00' \pm 45' (10.00^{\circ} \pm 0.75^{\circ})$
		Right–left error	30' (0.5°) or less

Measuring point

- A*1: Ground clearance of spindle center
- B*2: Ground clearance of lower suspension arm bolt center
- C*3: Ground clearance of rear axle shaft center
- D*4: Ground clearance of leaf spring front hanger pin bolt center

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	● Toe–in (Total)		Rack end length difference: 1.5 mm (0.059 in.) or less
	RZN140L-TRMDKAB		$0^{\circ}09' \pm 12' (0.15^{\circ} \pm 0.2^{\circ}, 1.6 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
	RZN140L-TRPDKAB		0°08' ± 12' (0.13° ± 0.2°, 1.4 ± 2 mm, 0.06 ± 0.08 in.)
Front wheel	RZN150L-CRMDKAB		0°09' ± 12' (0.15° ± 0.2°, 1.6 ± 2 mm, 0.06 ± 0.08 in.)
Alignment (2WD	RZN150L-CRPDKAB		
except pre runner,	Tire size: P205/75R15 97S		$0^{\circ}08' \pm 12' (0.14^{\circ} \pm 0.2^{\circ}, 1.5 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
cont'd)	Tire size: P235/55R16 96T		$0^{\circ}09' \pm 12' (0.14^{\circ} \pm 0.2^{\circ}, 1.5 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
	VZN150L-CRMDKAB		$0^{\circ}09' \pm 12' (0.16^{\circ} \pm 0.2^{\circ}, 1.7 \pm 2 \text{ mm}, 0.07 \pm 0.08 \text{ in.})$
	● Wheel angle (Max.)	Inside wheel	36° (33° – 36°)
		Outside wheel: Reference	31° (28° – 31°)
	Vehicle height		
	RZN161L-TRMDKAB		
	Normal	Front: A*1 – B*2	42 mm (1.65 in.)
		Rear: C*3 – D*4	-43 mm (-1.69 in.)
	Heavy duty leaf spring		
	Tire size: P225/75R15 102S	Front: A*1 – B*2	42 mm (1.65 in.)
	T' D005/70D40 4440	Rear: C*3 – D*4	-40 mm (-1.57 in.)
	Tire size: P265/70R16 111S, P265/70R16 111T	Front: $A^{*1} - B^{*2}$ Rear: $C^{*3} - D^{*4}$	42 mm (1.65 in.)
		Real. C 9 - D 1	-41 mm (-1.61 in.)
	RZN161L–TRPDKAB	Frank A+1 D+2	40 (4.57)
	Normal	Front: $A^{*1} - B^{*2}$ Rear: $C^{*3} - D^{*4}$	40 mm (1.57 in.) -43 mm (-1.69 in.)
	Heavy-duty leaf spring	Real. C * - D *	-43
	Tire size: P255/75R15 102S	Front: A*1 – B*2	40 mm (1.57 in.)
Front wheel		Rear: C*3 – D*4	-40 mm (-1.57 in.)
Alignment (4WD and pre runner)	Tire size: P265/70R16 111S,	Front: A*1 – B*2	40 mm (1.57 in.)
and pre runner)	P265/70R16 111T	Rear: C*3 – D*4	-41 mm (-1.61 in.)
	VZN170L-CRMDKAB		
	Normal		
	Tire size: P225/75R15 102S,	Front: A*1 – B*2	1
	P265/75R15 111T	Rear: C*3 – D*4	-44 mm (-1.73 in.)
	Tire size: P265/75R15 111S	Front: A*1 – B*2	, ,
	0%	Rear: C*3 – D*4	-45 mm (-1.77 in.)
	Off–road package	Front: $A^{*1} - B^{*2}$ Rear: $C^{*3} - D^{*4}$	53 mm (2.10 in.)
	Heavy-duty leaf spring	Neal. C - D	-39 mm (-1.54 in.)
	Tire size: P225/75R15 102S,	Front: A*1 – B*2	40 mm (1.57 in.)
	P265/70R16 111S	Rear: C*3 – D*4	-39 mm (-1.54 in.)
	Tire size: P265/70R16 111T	Front: A*1 – B*2	40 mm (1.57 in.)
		Rear: C*3 – D*4	-38 mm (-1.50 in.)

Measuring point

- A*1: Ground clearance of spindle center
- B*2: Ground clearance of front adjusting cam bolt center
- C*3: Ground clearance of rear axle shaft center
- D*4: Ground clearance of leaf spring front hanger pin bolt center

	VZN170L-CRPDKAB		
	Normal		
	Tire size: P225/75R15 102S,	Front: A*1 – B*2	41 mm (1.61 in.)
	P265/70R16 111T	Rear: C*3 – D*4	-44 mm (-1.73 in.)
	Tire size: P265/70R16 111S	Front: A*1 – B*2	41 mm (1.61 in.)
	1110 3120. 1 203/101(10 1110	Rear: C*3 – D*4	-45 mm (-1.77 in.)
	Off–road package	Front: A*1 – B*2	49 mm (1.93 in.)
	OII-road package	Rear: C*3 – D*4	-39 mm (-1.54 in.)
	Heavy-duty leaf spring	Real. C 9 - D	-39 mm (-1.34 m.)
	Tire size: P225/75R15 102S,	Front: A*1 – B*2	41 mm (1.61 in.)
	P265/70R16 111T	Rear: C*3 – D*4	-38 mm (-1.50 in.)
		Front: A*1 – B*2	,
	Tire size: P265/70R16 111S	Rear: C*3 – D*4	41 mm (1.61 in.)
		Rear: C - D	_39 mm (_1.54 in.)
	VZN170L-PRPDKAB		
	Normal	Front: A*1 – B*2	68 mm (2.68 in.)
		Rear: C*3 – D*4	-20 mm (-0.79 in.)
	Off–road package	Front: A*1 – B*2	69 mm (2.72 in.)
		Rear: C*3 – D*4	-17 mm (-0.67 in.)
	RZN171L-CRMDKAB		
Front wheel	Normal		
Alignment (4WD	Tire size: P225/75R15 102S,	Front: A*1 – B*2	39 mm (1.54 in.)
and pre runner,	P265/70R16 111S	Rear: C*3 – D*4	, , ,
cont'd)	Tire size: P265/70R16 111T	Front: A*1 – B*2	39 mm (1.54 in.)
		Rear: C*3 – D*4	-43 mm (-1.69 in.)
	Off–road package	Front: A*1 – B*2	52 mm (2.05 in.)
		Rear: C*3 – D*4	-38 mm (-1.50 in.)
	Heavy-duty leaf spring		,
	Tire size: P225/75R15 102S,	Front: A*1 – B*2	39 mm (1.54 in.)
	P265/70R16 111T	Rear: C*3 – D*4	-38 mm (-1.50 in.)
	Tire size: P265/70R16 111S	Front: A*1 – B*2	39 mm (1.54 in.)
		Rear: C*3 – D*4	-39 mm (-1.54 in.)
	RZN171L-CRPDKAB		, ,
	Normal		
	Tire size: P225/75R15 102S,	Front: Λ*1 P*2	40 mm (1.57 in.)
	P265/70R16 111T	Rear: C*3 – D*4	
	Tire size: P265/70R16 1111		40 mm (1.57 in.)
	1116 3126. 1 203/101X 10 1113	Rear: C*3 – D*4	44 mm (-1.73 in.)
	Heavy-duty leaf spring	Neal. C - D	77 IIIII (=1.73 III.)
	' ' '	Front: A*1 – B*2	40 mm (1.57 in.)
	Tire size: P225/75R15 102S,	Rear: $C^{*3} - D^{*4}$	40 mm (1.57 in.)
	P265/70R16 111T	Front: A*1 – B*2	-38 mm (-1.50 in.)
	Tire size: P265/70R16 111S	Front: $A^{-1} - B^{-2}$ Rear: $C^{*3} - D^{*4}$	
Moocuring poi		Real: C™ – D™	−39 mm (−1.54 in.)

Measuring point

- A*1: Ground clearance of spindle center
- B*2: Ground clearance of front adjusting cam bolt center
- C*3: Ground clearance of rear axle shaft center
- D*4: Ground clearance of leaf spring front hanger pin bolt center

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	RZN191L-TRPDKAB		
	Normal	Front: A*1 – B*2	39 mm (1.54 in.)
		Rear: C*3 – D*4	-46 mm (-1.18 in.)
	Heavy-duty leaf spring		,
	Tire size: P225/75R15 102S	Front: A*1 – B*2	39 mm (1.54 in.)
		Rear: C*3 – D*4	-42 mm (-1.65 in.)
	Tire size: P265/70R16 111S,	Front: A*1 – B*2	39 mm (1.54 in.)
	P265/70R16 111T	Rear: C*3 – D*4	-43 mm (-1.69 in.)
	VZN195L-CRPDKAB		
	Normal	Front: A*1 – B*2	42 mm (1.65 in.)
		Rear: C*3 – D*4	-46 mm (-1.81 in.)
	Off-road package	Front: A*1 – B*2	47 mm (1.85 in.)
		Rear: C*3 – D*4	-41 mm (-1.61 in.)
	Heavy-duty leaf spring		
	Tire size: P225/75R15 102S	Front: $A^{*1} - B^{*2}$	42 mm (1.65 in.)
		Rear: C*3 – D*4	-40 mm (-1.57 in.)
	Tire size: P265/70R16 111S,	Front: A*1 – B*2	42 mm (1.65 in.)
Front wheel	P265/70R16 111T	Rear: C*3 – D*4	-39 mm (-1.54 in.)
Alignment (4WD	VZN195L-PRPDKAB		
and pre runner,	Normal	Front: A*1 – B*2	67 mm (2.64 in.)
cont'd)		Rear: C*3 – D*4	-23 mm (-0.91 in.)
	Off–road package	Front: A*1 – B*2	68 mm (2.68 in.)
		Rear: C*3 – D*4	-20 mm (-0.79 in.)
	RZN196L-CRPDKAB		
	Normal	Front: A*1 – B*2	39 mm (1.54 in.)
		Rear: C*3 – D*4	-46 mm (-1.81 in.)
	Off–road package	Front: $A^{*1} - B^{*2}$	48 mm (1.89 in.)
		Rear: C*3 – D*4	-41 mm (-1.61 in.)
	Heavy-duty leaf spring		
	Tire size: P225/75R15 102S,	Front: A*1 – B*2	39 mm (1.54 in.)
	P265/70R16 111S	Rear: C*3 – D*4	-40 mm (-1.57 in.)
	Tire size: P265/70R16 111T	Front: A*1 – B*2	39 mm (1.54 in.)
		Rear: C*3 – D*4	−39 mm (−1.54 in.)
	RZN196L-PRPDKAB		
	Normal	Front: A*1 – B*2	66 mm (2.60 in.)
		Rear: C*3 – D*4	-23 mm (-0.91 in.)
	Off–road package	Front: A*1 – B*2	77 mm (3.03 in.)
		Rear: C*3 – D*4	-19 mm (-0.75 in.)

Measuring point

- A*1: Ground clearance of spindle center
- B*2: Ground clearance of front adjusting cam bolt center
- C*3: Ground clearance of rear axle shaft center
- D*4: Ground clearance of leaf spring front hanger pin bolt center

	● Camber	Right – left error: 30' (0.5°) or less
	RZN161L models	0°18′ ± 45′ (0.3° ± 0.75°)
	VZN170L models	
	Except double cab models	
	Normal	$0^{\circ}18' \pm 45' (0.3^{\circ} \pm 0.75^{\circ})$
	Off-road package	$0^{\circ}06' \pm 45' (0.1^{\circ} \pm 0.75^{\circ})$
	Double cab models	
	Normal	$-0^{\circ}12' \pm 45' (-0.2^{\circ} \pm 0.75^{\circ})$
	Off–road package	$-0^{\circ}18' \pm 45' (-0.3^{\circ} \pm 0.75^{\circ})$
	RZN171L models	
	Normal	$0^{\circ}18' \pm 45' (0.3^{\circ} \pm 0.75^{\circ})$
	Off–road package	$0^{\circ}06' \pm 45' (0.1^{\circ} \pm 0.75^{\circ})$
	RZN191L models	$0^{\circ}18' \pm 45' (0.3^{\circ} \pm 0.75^{\circ})$
	VZN195L models	
	Except double cab models	$0^{\circ}12' \pm 45' (0.2^{\circ} \pm 0.75^{\circ})$
	Double cab models	
	Normal	$-0^{\circ}12' \pm 45' (-0.2^{\circ} \pm 0.75^{\circ})$
	Off–road package	$-0^{\circ}18' \pm 45' (-0.3^{\circ} \pm 0.75^{\circ})$
	VZN196L models	
	Except double cab models	20.21
	Normal	0°18' ± 45' (0.3° ± 0.75°)
	Off-road package	$0^{\circ}12' \pm 45' (0.2^{\circ} \pm 0.75^{\circ})$
	Double cab models Normal	0'40' + 45' (0.2° + 0.75°)
	Off–road package	$-0'12' \pm 45' (-0.2^{\circ} \pm 0.75^{\circ})$ $-0'30' \pm 45' (-0.5^{\circ} \pm 0.75^{\circ})$
Front wheel		
Alignment (4WD	● Caster	Right–left error: 30' (0.5°) or less
and pre runner,	RZN161L-TRMDKAB	
cont'd)	Normal Time Poor (750 45 4000)	4°07) - 451 (4 00° - 0 75°)
	Tire size: P225/75R15 102S	1°37' ± 45' (1.62° ± 0.75°)
	Tire size: P265/70R16 111S Tire size: P265/70R16 111T	1°38' ± 45' (1.63° ± 0.75°) 1°37' ± 45' (1.61° ± 0.75°)
	Heavy–duty leaf spring	1 37 ± 43 (1.01 ± 0.75)
	Tire size: P225/75R15 102S	1°41' ± 45' (1.69° ± 0.75°)
	Tire size: P265/70R16 111S	1°43′ ± 45′ (1.71° ± 0.75°)
	Tire size: P265/70R16 111T	$1^{\circ}41' \pm 45' (1.68^{\circ} \pm 0.75^{\circ})$
	RZN161L-TRPDKAB	
	Normal	
	Tire size: P225/75R15 102S	1°37' ± 45' (1.62° ± 0.75°)
	Tire size: P265/70R16 111S	1°38' ± 45' (1.64° ± 0.75°)
	Tire size: P265/70R16 111T	$1^{\circ}37' \pm 45' (1.61^{\circ} \pm 0.75^{\circ})$
	Heavy-duty leaf spring	
	Tire size: P225/75R15 102S	$1^{\circ}42' \pm 45' (1.70^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111S	1°43' ± 45' (1.71° ± 0.75°)
	Tire size: P265/70R16 111T	1°41' ± 45' (1.69° ± 0.75°)
	VZN170L-CRMDKAB	
	Normal	
	Tire size: P225/75R15 102S	1°42' ± 45' (1.70° ± 0.75°)
	Tire size: P265/70R16 111S	1°43′ ± 45′ (1.72° ± 0.75°)
	Tire size: P265/70R16 111T	1°41' ± 45' (1.69° ± 0.75°)
	Off-road package	2°02' ± 45' (2.03° ± 0.75°)
	Heavy–duty leaf spring Tire size: P225/75R15 102S	1°50' ± 45' (1.83° ± 0.75°)
	Tire size: P265/70R16 111S	1°51° ± 45° (1.85° ± 0.75°)
	Tire size: P265/70R16 111T	1°49′ ± 45′ (1.82° ± 0.75°)
	5 6/20.1 200/101010 1111	– (–)

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	VZN170L-CRPDKAB	
	Normal	
	Tire size: P225/75R15 102S, P265/70R16 111T	$1^{\circ}41' \pm 45' (1.69^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111S	1°43' ± 45' (1.71° ± 0.75°)
	Off–road package	1°58' ± 45' (1.96° ± 0.75°)
	Heavy–duty leaf spring	
	Tire size: P225/75R15 102S, P265/70R16 111T	1°49' ± 45' (1.82° ± 0.75°)
	Tire size: P265/70R16 111S	1°50' ± 45' (1.84° ± 0.75°)
	VZN170L-PRPDKAB	
	Normal	
	Tire size: P225/75R15 102S	$2^{\circ}36' \pm 45' (2.60^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111S	$2^{\circ}36' \pm 45' (2.61^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111T	2°35′ ± 45′ (2.59° ± 0.75°)
	Off-road package	2°39' ± 45' (2.66° ± 0.75°)
	VZN171L-CRMDKAB	
	Normal	
	Tire size: P225/75R15 102S	1°44' ± 45' (1.74° ± 0.75°)
	Tire size: P265/70R16 111S	$1^{\circ}44 \pm 45 (1.74 \pm 0.75)$ $1^{\circ}45' \pm 45' (1.75^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 1115 Tire size: P265/70R16 111T	1°44' ± 45' (1.73° ± 0.75°)
		,
	Off–road package	$2^{\circ}02' \pm 45' (2.03^{\circ} \pm 0.75^{\circ})$
	Heavy–duty leaf spring	4°50' + 45' (4.00° + 0.75°)
	Tire size: P225/75R15 102S	$1^{\circ}52' \pm 45' (1.86^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111S	1°52' ± 45' (1.87° ± 0.75°)
Front wheel	Tire size: P265/70R16 111T	1°51' ± 45' (1.85° ± 0.75°)
Alignment (4WD	RZN171L–CRPDKAB	
and pre runner,	Normal	
cont'd)	Tire size: P225/75R15 102S, P265/70R16 111T	$1^{\circ}44' \pm 45' (1.73^{\circ} \pm 0.75^{\circ})$
,	Tire size: P265/70R16 111S	$1^{\circ}45' \pm 45' (1.75^{\circ} \pm 0.75^{\circ})$
	Heavy–duty leaf spring	
	Tire size: P225/75R15 102S	$1^{\circ}52' \pm 45' (1.86^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111S	$1^{\circ}52' \pm 45' (1.87^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111T	1°51' ± 45' (1.85° ± 0.75°)
	RZN191L-TRPDKAB	
	Normal	
	Tire size: P225/75R15 102S	1°37' ± 45' (1.62° ± 0.75°)
	Tire size: P265/70R16 111S	$1^{\circ}38' \pm 45' (1.63^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111T	1°37' ± 45' (1.61° ± 0.75°)
	Heavy-duty leaf spring	
	Tire size: P225/75R15 102S	1°43' ± 45' (1.72° ± 0.75°)
	Tire size: P265/70R16 111S	1°44' ± 45' (1.73° ± 0.75°)
	Tire size: P265/70R16 111T	1°43' ± 45' (1.71° ± 0.75°)
	VZN195L–CRPDKAB	
	Normal	
	Tire size: P225/75R15 102S	1°43' ± 45' (1.71° ± 0.75°)
	Tire size: P265/70R16 111S	1°44′ ± 45′ (1.71° ± 0.75°)
	Tire size: P265/70R16 111T	$1^{\circ}42' \pm 45' (1.70' \pm 0.75')$
	Off–road package	$1^{\circ}56' \pm 45' (1.93^{\circ} \pm 0.75^{\circ})$
	Heavy–duty leaf spring	1 30 ± 40 (1.30 ± 0.73)
	Tire size: P225/75R15 102S	1°52' ± 45' (1.86° ± 0.75°)
	Tire size: P265/70R16 111S	1°53' ± 45' (1.88° ± 0.75°)
		,
	Tire size: P265/70R16 111T	1°51' ± 45' (1.85° ± 0.75°)

	VZN195L-PRPDKAB	
	Normal	
	Tire size: P225/75R15 102S	$2^{\circ}31' \pm 45' (2.53^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111S	$2^{\circ}35' \pm 45' (2.59^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111T	2°33' ± 45' (2.56° ± 0.75°)
	Off–road package	2°39' ± 45' (2.66° ± 0.75°)
	RZN196L-CRPDKAB	
	Normal	
	Tire size: P225/75R15 102S	$1^{\circ}43' \pm 45' (1.72^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111S	$1^{\circ}44' \pm 45' (1.73^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111T	$1^{\circ}43' \pm 45' (1.71^{\circ} \pm 0.75^{\circ})$
	Off–road package	$1^{\circ}56' \pm 45' (1.94^{\circ} \pm 0.75^{\circ})$
	Heavy–duty leaf spring	
	Tire size: P225/75R15 102S	$1^{\circ}52' \pm 45' (1.86^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111S	1°52' ± 45' (1.87° ± 0.75°)
	Tire size: P265/70R16 111T	1°51' ± 45' (1.85° ± 0.75°)
	RZN196L-PRPDKAB	
	Normal	
	Tire size: P225/75R15 102S	$2^{\circ}34' \pm 45' (2.58^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111S	$2^{\circ}35' \pm 45' (2.59^{\circ} \pm 0.75^{\circ})$
	Tire size: P265/70R16 111T	$2^{\circ}33' \pm 45' (2.56^{\circ} \pm 0.75^{\circ})$
	Off–road package	$2^{\circ}45' \pm 45' (2.75^{\circ} \pm 0.75^{\circ})$
Front wheel	Steering axis inclination	Right – left error: 30' (0.5°) or less
Alignment (4WD	RZN161L models	$10^{\circ}30' \pm 45' (10.5^{\circ} \pm 0.75^{\circ})$
and pre runner,	VZN170L-CRMDKAB	
cont'd)	Except off-road package	$10^{\circ}30' \pm 45' (10.5^{\circ} \pm 0.75^{\circ})$
	Off–road package	$10^{\circ}42' \pm 45' (10.7^{\circ} \pm 0.75^{\circ})$
	VZN170L-CRPDKAB	
	Except off–road package	$10^{\circ}30' \pm 45' (10.5^{\circ} \pm 0.75^{\circ})$
	Off-road package	$10^{\circ}36' \pm 45' (10.6^{\circ} \pm 0.75^{\circ})$
	VZN170L-PRPDKAB	11°00' ± 45' (11.0° ± 0.75°)
	RZN171L-CRMDKAB	
	Except off–road package	10°24' ± 45' (10.4° ± 0.75°)
	Off–road package	10°49′ ± 45′ (10.7° ± 0.75°)
	RZN171L-CRPDKAB	10°30′ ± 45′ (10.5° ± 0.75°)
	RZN191L-TRPDKAB	$10^{\circ}24' \pm 45' (10.4^{\circ} \pm 0.75^{\circ})$
	VZN195L-CRPDKAB	
	Except off-road package	$10^{\circ}30' \pm 45' (10.5^{\circ} \pm 0.75^{\circ})$
	Off–road package	10°36' ± 45' (10.6° ± 0.75°)
	VZN195L-PRPDKAB	11°00' ± 45' (11.0° ± 0.75°)
	VZN196L-CRPDKAB	
	Except off-road package	$10^{\circ}24' \pm 45' (10.4^{\circ} \pm 0.75^{\circ})$
	Off–road package	10°36' ± 45' (10.6° ± 0.75°)
	VZN196L-PRPDKAB	
	Normal	$10^{\circ}54' \pm 45' (10.9^{\circ} \pm 0.75^{\circ})$
	Off-road package	11°12′ ± 45′ (11.2° ± 0.75°)
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	● Toe – in (Total)	Rack end length difference : 1.5 mm (0.059 in.) or less
	RZN161L-TRMDKAB	
	Tire size: P225/75R15 102S	$0^{\circ}07' \pm 12' (0.12^{\circ} \pm 0.2^{\circ}, 1.3 \pm 2 \text{ mm}, 0.05 \pm 0.08 \text{ in.})$
	Tire size: P265/70R16 111S, P265/70R16 111T	$0^{\circ}07' \pm 12' (0.11^{\circ} \pm 0.2^{\circ}, 1.4 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
	RZN161L-TRPDKAB	
	Tire size: P225/75R15 102S	$0^{\circ}07' \pm 12' (0.12^{\circ} \pm 0.2^{\circ}, 1.4 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
	Tire size: P265/70R16 111S, P265/70R16 111T	$0^{\circ}07' \pm 12' (0.12^{\circ} \pm 0.2^{\circ}, 1.5 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
	VZN170L-CRMDKAB	
	Except off-road package Tire size: P225/75R15 102S	$0^{\circ}07' \pm 12' (0.12^{\circ} \pm 0.2^{\circ}, 1.4 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
	Tire size: P265/70R16 111S, P265/70R16 111T	$0^{\circ}07' \pm 12' (0.12^{\circ} \pm 0.2^{\circ}, 1.5 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
	Off–road package	$0^{\circ}02' \pm 12' (0.03^{\circ} \pm 0.2^{\circ}, 0.4 \pm 2 \text{ mm}, 0.02 \pm 0.08 \text{ in.})$
	VZN170L-CRPDKAB	
	Except off-road package	
	Tire size: P225/75R15 102S	$0^{\circ}07' \pm 12' (0.12^{\circ} \pm 0.2^{\circ}, 1.3 \pm 2 \text{ mm}, 0.05 \pm 0.08 \text{ in.})$
	Tire size: P265/70R16 111S, P265/70R16 111T Off–road package	$0^{\circ}07' \pm 12' (0.11^{\circ} \pm 0.2^{\circ}, 1.4 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$ $0^{\circ}03' \pm 12' (0.06^{\circ} \pm 0.2^{\circ}, 0.7 \pm 2 \text{ mm}, 0.03 \pm 0.08 \text{ in.})$
	VZN170L-PRPDKAB	0 00 ± 12 (0.00 ± 0.2 ; 0.7 ± 2 11111, 0.00 ± 0.00 111.)
	Except off-road package	
	Tire size: P225/75R15 102S	$0^{\circ}04' \pm 12' (0.07^{\circ} \pm 0.2^{\circ}, 0.8 \pm 2 \text{ mm}, 0.03 \pm 0.08 \text{ in.})$
	Tire size: P265/70R16 111S, P265/70R16 111T	$0^{\circ}04' \pm 12' (0.07^{\circ} \pm 0.2^{\circ}, 0.9 \pm 2 \text{ mm}, 0.04 \pm 0.08 \text{ in.})$
	Off–road package	$0^{\circ}03' \pm 12' (0.06^{\circ} \pm 0.2^{\circ}, 0.8 \pm 2 \text{ mm}, 0.03 \pm 0.08 \text{ in.})$
	RZN171L-CRMDKAB	
	Except off-road package	
	Tire size: P225/75R15 102S Tire size: P265/70R16 111S, P265/70R16 111T	$0^{\circ}07' \pm 12' (0.12^{\circ} \pm 0.2^{\circ}, 1.4 \pm 2 \text{ mm}, 0.05 \pm 0.08 \text{ in.})$ $0^{\circ}08' \pm 12' (0.13^{\circ} \pm 0.2^{\circ}, 1.6 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
Front wheel	Off-road package	$0^{\circ}02' \pm 12' (0.04^{\circ} \pm 0.2^{\circ}, 0.5 \pm 2 \text{ mm}, 0.02 \pm 0.08 \text{ in.})$
Alignment (4WD	RZN171L–CRPDKAB	
and pre runner,	Tire size: P225/75R15 102S	$0^{\circ}07' \pm 12' (0.12^{\circ} \pm 0.2^{\circ}, 1.4 \pm 2 \text{mm}, 0.06 \pm 0.08 \text{in.})$
cont'd)	Tire size: P265/70R16 111S, P265/70R16 111T	$0^{\circ}07' \pm 12' (0.12^{\circ} \pm 0.2^{\circ}, 1.5 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
	RZN191L-TRPDKAB	
	Tire size: P225/75R15 102S	$0^{\circ}07' \pm 12' (0.12^{\circ} \pm 0.2^{\circ}, 1.4 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
	Tire size: P265/70R16 111S, P265/70R16 111T	$0^{\circ}08' \pm 12' (0.13^{\circ} \pm 0.2^{\circ}, 1.6 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
	VZN195L–CRPDKAB	
	Except off-road package Tire size: P225/75R15 102S	$0^{\circ}06' \pm 12' (0.10^{\circ} \pm 0.2^{\circ}, 1.1 \pm 2 \text{ mm}, 0.04 \pm 0.08 \text{ in.})$
	Tire size: P265/70R16 111S, P265/70R16 111T	$0^{\circ}06^{\circ} \pm 12^{\circ} (0.10^{\circ} \pm 0.2^{\circ}, 1.2 \pm 2 \text{ mm}, 0.05 \pm 0.08 \text{ in.})$
	Off–road package	$0^{\circ}04' \pm 12' (0.07^{\circ} \pm 0.2^{\circ}, 0.8 \pm 2 \text{ mm}, 0.03 \pm 0.08 \text{ in.})$
	VZN195L–PRPDKAB	
	Normal	
	Tire size: P225/75R15 102S	$0^{\circ}04' \pm 12' (0.07^{\circ} \pm 0.2^{\circ}, 0.9 \pm 2 \text{ mm}, 0.04 \pm 0.08 \text{ in.})$
	Tire size: P265/70R16 111S, P265/70R16 111T Off-road package	$0^{\circ}04' \pm 12' (0.07^{\circ} \pm 0.2^{\circ}, 1.0 \pm 2 \text{ mm}, 0.04 \pm 0.08 \text{ in.})$ $0^{\circ}03' \pm 12' (0.06^{\circ} \pm 0.2^{\circ}, 0.8 \pm 2 \text{ mm}, 0.03 \pm 0.08 \text{ in.})$
	1 0	0 03 ± 12 (0.00 ± 0.2 , 0.8 ± 2 11111, 0.03 ± 0.00 111.)
	RZN196L-CRPDKAB Except off-road package	
	Tire size: P225/75R15 102S	$0^{\circ}07' \pm 12' (0.12^{\circ} \pm 0.2^{\circ}, 1.4 \pm 2 \text{mm}, 0.06 \pm 0.08 \text{in.})$
	Tire size: P265/70R16 111S, P265/70R16 111T	$0^{\circ}08' \pm 12' (0.13^{\circ} \pm 0.2^{\circ}, 1.6 \pm 2 \text{ mm}, 0.06 \pm 0.08 \text{ in.})$
	Off–road package	$0^{\circ}04' \pm 12' (0.07^{\circ} \pm 0.2^{\circ}, 0.8 \pm 2 \text{ mm}, 0.03 \pm 0.08 \text{ in.})$
	RZN196L-PRPDKAB	
	Normal	
	Tire size: P225/75R15 102S	$0^{\circ}04' \pm 12' (0.07^{\circ} \pm 0.2^{\circ}, 1.0 \pm 2 \text{ mm}, 0.04 \pm 0.08 \text{ in.})$
	Tire size: P265/70R16 111S, P265/70R16 111T Off–road package	$0^{\circ}05' \pm 12' (0.08^{\circ} \pm 0.2^{\circ}, 1.1 \pm 2 \text{ mm}, 0.04 \pm 0.08 \text{ in.})$ $0^{\circ}00' \pm 12' (0^{\circ} \pm 0.2^{\circ}, 0 \pm 2 \text{ mm}, 0 \pm 0.08 \text{ in.})$
	Wheel angle (max.) Inside wheel	35°05′ – 38°05′ (35.08° – 38.08°)
	Outside wheel: Reference	32°20′ (32.33°)
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Front axle	Axle hub bearing backlash	Max.	0.05 mm (0.0020 in.)
(2WD except pre	<u> </u>	Wax.	
runner)	Axle hub preload (at starting)		Frictional force plus 6 – 18 N (0.6 – 1.8 kgf, 1.3 – 4.0 lbf)
Front drive shaft	Front drive shaft length		436.2 ± 2.0 mm (17.173 ± 0.079 in.)
Front suspension	Upper ball joint turning torque		0.5 – 3.5 N·m (5 – 35 kgf·cm, 4 – 30 in.·lbf)
(2WD except pre	Lower ball joint turning torque		0.1 – 3.45 N·m (1 – 35 kgf·cm, 0.8 – 30 in.·lbf)
runner)	Lower ball joint excessive play	Max.	0.5 mm (0.020 in.)
	Upper ball joint turning torque		0.7 – 4.4 N·m (7 – 45 kgf·cm, 6 – 39 in.·lbf)
Front suspension	Lower ball joint turning torque		0.1 − 2.5 N·m (1 − 25 kgf·cm, 1 − 22 in.·lbf)
(4WD and pre run- ner)	Lower ball joint excessive play	Max.	0.5 mm (0.020 in.)
	Stabilizer bar link ball joint turning toque		0.05 – 2.0 N·m (0.5 – 20 kgf·cm, 0.4 – 17 in.·lbf)
	Axle shaft bearing backlash	Max.	0.7 mm (0.028 in.)
	Axle shaft deviation	Max.	0.1 mm (0.0039 in.)
Rear axle shaft	Shaft runout	Max.	2.0 mm (0.079 in.)
	Flange runout	Max.	0.1 mm (0.004 in.)
	Companion flange vertical runout	Max.	0.10 mm (0.0039 in.)
	Companion flange horizontal runout	Max.	0.10 mm (0.0039 in.)
	Drive pinion preload (at starting)	New bearing	1.2 – 1.9 N⋅m (12 – 19 kgf⋅cm, 10.4 – 16.5 in.⋅lbf)
		Reused bearing	0.6 – 1.0 N·m (6 – 10 kgf·cm, 5.2 – 8.7 in.·lbf)
	Total preload (at starting)		Drive pinion preload plus $0.4-0.6~\text{N}\cdot\text{m}$ (4 $-6~\text{kgf}\cdot\text{cm}$, $3.5-5.2~\text{inlbf}$)
	Drive pinion to ring gear backlash		0.13 – 0.18 mm (0.0051 – 0.0071 in.)
Front differential	Side gear backlash		0 – 0.20 mm (0 – 0.0079 in.)
	Rear oil seal drive in depth		4.5 ± 0.3 mm (0.177 ± 0.012 in.)
	Side oil seal drive in depth		0 mm (0 in.)
	Side tube oil seal drive in depth		5.5 ± 0.3 mm (0.217 ± 0.012 in.)
			0.96 – 1.04 mm (0.0378 – 0.0409 in.)
			1.06 – 1.14 mm (0.0417 – 0.0449 in.)
	Side gear thrust washer thickness		1.16 – 1.24 mm (0.0457 – 0.0488 in.)
			1.26 – 1.34 mm (0.0496 –0.0528 in.)

		0.00 0.00 (0.0707 0.0705)
		2.00 – 2.02 mm (0.0787 – 0.0795 in.)
		2.03 – 2.05 mm (0.0799 – 00807 in.)
		2.06 – 2.08 mm (0.0811 – 0.0819 in.)
		2.09 – 2.11 mm (0.0823 – 0.0831 in.)
		2.12 – 2.14 mm (0.0835 – 0.0843 in.)
		2.15 – 2.17 mm (0.0846 – 0.0854 in.)
		2.18 – 2.20 mm (0.0858 – 0.0866 in.)
		2.21 – 2.23 mm (0.0870 – 0.0878 in.)
		2.24 – 2.26 mm (0.0882 – 0.0890 in.)
		2.27 – 2.29 mm (0.0894 – 0.0902 in.)
		2.30 – 2.32 mm (0.0906 – 0.0913 in.)
		2.33 – 2.35 mm (0.0917 – 0.0925 in.)
		2.36 – 2.38 mm (0.0929 – 0.0937 in.)
	Side gear bearing adjusting washer thickness	2.39 – 2.41 mm (0.0941 – 0.0949 in.)
		2.42 – 2.44 mm (0.0953 – 0.0961 in.)
		2.45 – 2.47 mm (0.0965 – 0.0972 in.)
		2.48 – 2.50 mm (0.0976 – 0.0984 in.)
		2.51 – 2.53 mm (0.0988 – 0.0996 in.)
		2.54 – 2.56 mm (0.1000 – 01008 in.)
		2.57 – 2.59 mm (0.1012 – 0.1020 in.)
Front differential (cont'd)		2.60 – 2.62 mm (0.1024 – 0.1031 in.)
(cont a)		2.63 – 2.65 mm (0.1035 – 0.1043 in.)
		2.66 – 2.68 mm (0.1047 – 0.1055 in.)
		2.69 – 2.71 mm (0.1059 – 0.1067 in.)
		2.72 – 2.74 mm (0.1071 – 0.1079 in.)
		2.75 – 2.77 mm (0.1083 – 0.1091 in.)
		2.78 – 2.80 mm (0.1094 – 0.1102 in.)
		1.69 – 1.71 mm (0.0665 – 0.0673 in.)
		1.72 – 1.74 mm (0.0677 – 0.0685 in.)
		1.75 – 1.77 mm (0.0689 – 0.0697 in.)
		1.78 – 1.80 mm (0.0701 – 0.0709 in.)
		1.81 – 1.83 mm (0.0713 – 0.0720 in.)
		1.84 – 1.86 mm (0.0724 – 0.0732 in.)
		1.87 – 1.89 mm (0.0736 – 0.0744 in.)
	Drive pinion bearing adjusting washer thickness	1.90 – 1.92 mm (0.0748 – 0.0756 in.)
		1.93 – 1.95 mm (0.0760 – 0.0768 in.)
		1.96 – 1.98 mm (0.0772 – 0.0780 in.)
		1.99 – 2.01 mm (0.0783 – 0.0791 in.)
		2.02 – 2.04 mm (0.0795 – 0.0803 in.)
		2.05 – 2.07 mm (0.0807 – 0.0815 in.)
		2.05 – 2.07 mm (0.0807 – 0.0815 in.) 2.08 – 2.10 mm (0.0819 – 0.0827 in.)

		2.11 – 2.13 mm (0.0831 – 0.0839 in.)
		2.14 – 2.16 mm (0.0843 – 0.0850 in.)
		2.17 – 2.19 mm (0.0854 – 0.0862 in.)
		2.20 – 2.22 mm (0.0866 – 0.0874 in.)
Front differential	Drive pinion bearing adjusting washer thickness	2.23 – 2.25 mm (0.0878 – 0.0886 in.)
(cont'd)		2.26 – 2.28 mm (0.0890 – 0.0898 in.)
		2.29 – 2.31 mm (0.0902 – 0.0909 in.)
		2.32 – 2.34 mm (0.0913 – 0.0921 in.)
	A.D.D. sleeve fork to clutch sleeve clearance	0.35 mm (0.0138 in.) or less
	Differential case needle bearing press in depth	0.3 ± 0.3 mm (0.012 ± 0.012 in.)
	Companion flange vertical runout Max.	0.10 mm (0.0039 in.)
	Companion flange lateral runout Max.	0.10 mm (0.0039 in.)
	Drive pinion preload (at starting) New bearing	1.4 – 2.1 N·m (14 – 21 kgf·cm, 12.2 – 18.3 in.·lbf)
	Reused bearing	0.6 - 1.0 N·m (6 - 10 kgf·cm, 5.2 - 8.7 in.·lbf)
	Total preload (at starting)	Drive pinion preload plus 0.4 – 0.6 N·m (4 – 6 kgf·cm, 3.5 – 5.2
		inlbf)
	Drive pinion to ring gear backlash	0.13 – 0.18 mm (0.0051 – 0.0071 in.)
	Side gear backlash	0 05 – 0.20 mm (0.0020 – 0.0079 in.)
	Ring gear runout Max.	0.07 mm (0.0028 in.)
	Differential case runout Max.	0.07 mm (0.0028 in.)
	Drive pinion oil seal drive in depth	1.5 mm (0.059 in.)
		1.0 mm (0.039 in.)
		1.1 mm (0.043 in.)
	Side gear thrust washer thickness	1.2 mm (0.047 in.)
		1.3 mm (0.051 in.)
Rear differential		2.24 mm (0.0882 in.)
(2RZ–FE)		2.27 mm (0.0894 in.)
		2.30 mm (0.0906 in.)
		2.33 mm (0.0917 in.)
		2.36 mm (0.0929 in.)
		2.39 mm (0.0941 in.)
		2.42 mm (0.0953 in.)
		2.45 mm (0.0965 in.)
	Drive pinion bearing washer thickness	2.48 mm (0.0976 in.)
		2.51 mm (0.0988 in.)
		2.54 mm (0.1000 in.)
		2.57 mm (0.1012 in.)
		2.60 mm (0.1024 in.)
		2.63 mm (0.1035 in.)
		2.66 mm (0.1047 in.)
		2.69 mm (0.1059 in.)
		2.72 mm (0.1071 in.)
Rear differential		
(3RZ-FE,	Companion flange vertical runout Max.	0.09 mm (0.0035 in.)
5VZ–FE w/o Diff.	Communication floring lateral many	0.00 (0.0035 in)
lock)	Companion flange lateral runout Max.	0.09 mm (0.0035 in.)

SERVICE SPECIFICATIONS - SUSPENSION AND AXLE

	Drive pinion preload (at starting)	New bearing Reused bearing	, , , , , , , , , , , , , , , , , , , ,
	Total preload (at starting)		Drive pinion preload plus 0.4 – 0.6 N·m (4 – 6 kgf·cm, 3.5 – 5.2 in.·lbf)
	Drive pinion to ring gear backlash		0.13 – 0.18 mm (0.0051 – 0.0071 in.)
	Side gear backlash		0 05 – 0.20 mm (0.0020 – 0.0079 in.)
	Ring gear runout	Max.	0.05 mm (0.0020 in.)
Deer differential	Differential case runout	Max.	0.04 mm (0.0016 in.)
Rear differential (3RZ–FE,	Drive pinion oil seal drive in depth		0.5 mm (0.020 in.)
5VZ–FE w/o Diff.			1.50 mm (0.0590 in.)
lock, cont'd)	Side gear thrust washer thickness		1.55 mm (0.0610 in.)
			1.60 mm (0.0630 in.)
			1.65 mm (0.0650 in.)
			1.70 mm (0.0669 in.)
			1.75 mm (0.0689 in.)
			1.80 mm (0.0709 in.)
			1.85 mm (0.0728 in.)
			1.90 mm (0.0748 in.)

2003 TOYOTA TACOMA (RM1002U)

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		58	2.58 mm (0.1015 in.)
		60	2.60 mm (0.1024 in.)
		62	2.62 mm (0.1031 in.)
		64	2.64 mm (0.1039 in.)
		66	2.66 mm (0.1047 in.)
		68	2.68 mm (0.1055 in.)
		70	2.70 mm (0.1063 in.)
		72	2.72 mm (0.1071 in.)
		74	2.74 mm (0.1079 in.)
		76	2.76 mm (0.1087 in.)
		78	2.78 mm (0.1094 in.)
		80	2.80 mm (0.1102 in.)
		82	2.82 mm (0.1110 in.)
		84	2.84 mm (0.1118 in.)
		86	2.86 mm (0.1126 in.)
		88	2.88 mm (0.1134 in.)
		90	2.90 mm (0.1142 in.)
		92	2.92 mm (0.1150 in.)
		94	2.94 mm (0.1157 in.)
		96	2.96 mm (0.1165 in.)
		98	2.98 mm (0.1173 in.)
Rear differential		00	3.00 mm (0.1181 in.)
(3RZ-FE,		02	3.02 mm (0.1189 in.)
5VZ–FE w/o Diff.	Side bearing adjusting washer thickness	04	3.04 mm (0.1197 in.)
lock, cont'd)		06	3.06 mm (0.1205 in.)
		08	3.08 mm (0.1213 in.)
		10	3.10 mm (0.1220 in.)
		12	3.12 mm (0.1228 in.)
		14	3.14 mm (0.1236 in.)
		16	3.16 mm (0.1244 in.)
		18	3.18 mm (0.1252 in.)
		20	3.20 mm (0.1260 in.)
		22	3.22 mm (0.1268 in.)
		24	3.24 mm (0.1276 in.)
		26	3.26 mm (0.1283 in.)
		28	3.28 mm (0.1291 in.)
		30	3.30 mm (0.1299 in.)
		32	3.32 mm (0.1307 in.)
		34	3.34 mm (0.1315 in.)
		36	3.36 mm (0.1323 in.)
		38	3.38 mm (0.1331 in.)
		40	3.40 mm (0.1339 in.)
		42	3.42 mm (0.1346 in.)
		44	3.44 mm (0.1354 in.)
		46	3.46 mm (0.1362 in.)
		48	3.48 mm (0.1370 in.)

Rear differential (IRZ_FE, SYZ_FE, wo Diff. lock, confd)		T		
Rear differential (JRZ-FE w/o Diff. lock, cont/d)			87	1.87 mm (0.0736 in.)
Read differential (RAZ-FE) Cook Cook			88	1.88 mm (0.0740 in.)
Part			89	1.89 mm (0.0744 in.)
Part			90	1.90 mm (0.0748 in.)
Rear differential (SRZ=FE, SYZ=FE w/o Diff. lock, cont.d)			91	1.91 mm (0.0752 in.)
Part			92	1.92 mm (0.0756 in.)
Rear differential (RRZ-FE, Wo Diff. lock, contrd) 95 1.95 mm (0.0786 in.)			93	1.93 mm (0.0760 in.)
Page			94	1.94 mm (0.0764 in.)
Province			95	1.95 mm (0.0768 in.)
Rear differential (3RZ—FE, 5VZ—FE w/o Diff. lock, cont'd) 98 1.98 mm (0.0780 in.)			96	1.96 mm (0.0772 in.)
Rear differential (3RZ-FE, 5VZ-FE w/o Diff. lock, control)			97	1.97 mm (0.0776 in.)
Rear differential (GRZ_FE, 5VZ_FE w/o Diff. lock, cont'd)			98	1.98 mm (0.0780 in.)
Rear differential (3RZ-FE, 5VZ-FE w/o Diff. lock, cont'd) Drive pinion bearing adjusting washer thickness Drive pinion bearing adjust			99	1.99 mm (0.0783 in.)
Rear differential (SRZ-FE, SVZ-FE wo Diff. lock, cont'd) Drive pinion bearing adjusting washer thickness Drive pinion bearing adjusti			00	2.00 mm (0.0787 in.)
Rear differential (3RZ-FE, 5VZ-FE w/o Diff. lock, cont'd) Drive pinion bearing adjusting washer thickness Drive pinion bearing adjust			01	2.01 mm (0.0791 in.)
Rear differential (3RZ-FE, 5VZ-FE w/o Diff. lock, cont'd) Drive pinion bearing adjusting washer thickness Drive pinion bearing adjust			02	2.02 mm (0.0795 in.)
Rear differential (3RZ-FE, 5VZ-FE w/o Diff. lock, cont'd) Drive pinion bearing adjusting washer thickness Drive pinion bearing adjust			03	2.03 mm (0.0799 in.)
Rear differential (3RZ-FE, 5VZ-FE w/o Diff. lock, cont'd) Drive pinion bearing adjusting washer thickness Drive pinion bearing adjust			04	2.04 mm (0.0803 in.)
Rear direfering (SRZ-FE w/o Diff. lock, cont'd) Drive pinion bearing adjusting washer thickness Drive pinion bearing adjusting washer			05	2.05 mm (0.0807 in.)
Carrier Carr	Rear differential		06	2.06 mm (0.0811 in.)
Dock, cont'd)			07	2.07 mm (0.0815 in.)
10 2.10 mm (0.0827 in.) 11 2.11 mm (0.0831 in.) 12 2.12 mm (0.0835 in.) 13 2.13 mm (0.0839 in.) 14 2.14 mm (0.0843 in.) 15 2.15 mm (0.0846 in.) 16 2.16 mm (0.0850 in.) 17 2.17 mm (0.0854 in.) 18 2.18 mm (0.0858 in.) 19 2.19 mm (0.0862 in.) 20 2.20 mm (0.0866 in.) 21 2.21 mm (0.0876 in.) 22 2.22 mm (0.0878 in.) 23 2.23 mm (0.0878 in.) 24 2.24 mm (0.0882 in.) 25 2.25 mm (0.0886 in.) 26 2.26 mm (0.0896 in.) 27 2.27 mm (0.0894 in.)		Drive pinion bearing adjusting washer thickness	08	2.08 mm (0.0819 in.)
11	lock, cont'd)		09	2.09 mm (0.0823 in.)
12			10	2.10 mm (0.0827 in.)
13			11	2.11 mm (0.0831 in.)
14 2.14 mm (0.0843 in.) 15 2.15 mm (0.0846 in.) 16 2.16 mm (0.0850 in.) 17 2.17 mm (0.0854 in.) 18 2.18 mm (0.0858 in.) 19 2.19 mm (0.0862 in.) 20 2.20 mm (0.0866 in.) 21 2.21 mm (0.0870 in.) 22 2.22 mm (0.0874 in.) 23 2.23 mm (0.0878 in.) 24 2.24 mm (0.0882 in.) 25 2.25 mm (0.0886 in.) 26 2.26 mm (0.0890 in.) 27 2.27 mm (0.0894 in.)			12	2.12 mm (0.0835 in.)
15			13	2.13 mm (0.0839 in.)
16			14	2.14 mm (0.0843 in.)
17			15	2.15 mm (0.0846 in.)
18			16	2.16 mm (0.0850 in.)
19			17	2.17 mm (0.0854 in.)
20 2.20 mm (0.0866 in.) 21 2.21 mm (0.0870 in.) 22 2.22 mm (0.0874 in.) 23 2.23 mm (0.0878 in.) 24 2.24 mm (0.0882 in.) 25 2.25 mm (0.0886 in.) 26 2.26 mm (0.0890 in.) 27 2.27 mm (0.0894 in.)			18	2.18 mm (0.0858 in.)
21 2.21 mm (0.0870 in.) 22 2.22 mm (0.0874 in.) 23 2.23 mm (0.0878 in.) 24 2.24 mm (0.0882 in.) 25 2.25 mm (0.0886 in.) 26 2.26 mm (0.0890 in.) 27 2.27 mm (0.0894 in.)			19	2.19 mm (0.0862 in.)
22 2.22 mm (0.0874 in.) 23 2.23 mm (0.0878 in.) 24 2.24 mm (0.0882 in.) 25 2.25 mm (0.0886 in.) 26 2.26 mm (0.0890 in.) 27 2.27 mm (0.0894 in.)			20	2.20 mm (0.0866 in.)
23 2.23 mm (0.0878 in.) 24 2.24 mm (0.0882 in.) 25 2.25 mm (0.0886 in.) 26 2.26 mm (0.0890 in.) 27 2.27 mm (0.0894 in.)			21	2.21 mm (0.0870 in.)
24 2.24 mm (0.0882 in.) 25 2.25 mm (0.0886 in.) 26 2.26 mm (0.0890 in.) 27 2.27 mm (0.0894 in.)			22	2.22 mm (0.0874 in.)
25 2.25 mm (0.0886 in.) 26 2.26 mm (0.0890 in.) 27 2.27 mm (0.0894 in.)			23	2.23 mm (0.0878 in.)
26 2.26 mm (0.0890 in.) 27 2.27 mm (0.0894 in.)			24	2.24 mm (0.0882 in.)
27 2.27 mm (0.0894 in.)			25	2.25 mm (0.0886 in.)
			26	2.26 mm (0.0890 in.)
28 2.28 mm (0.0898 in.)			27	2.27 mm (0.0894 in.)
			28	2.28 mm (0.0898 in.)

	Companion flange vertical runout Max.	0.10 mm (0.0039 in.)	
	Companion horizontal lateral runout Max.	0.10 mm (0.0039 in.)	
	Drive pinion preload (at starting) New bearing	0.9 – 1.6 N·m (10 – 16 kgf·cm, 8.7 – 13.9 in.·lbf)	
	Reused bearing	0.5 – 0.8 N·m (5 – 8 kgf·cm, 4.3 – 6.9 in.·lbf)	
	Total preload (at starting)	Drive pinion preload plus 0.4 – 0.6 N·m (4 – 6 kgf·cm, 3.5 – 5.2 in.·lbf)	
	Drive pinion to ring gear backlash	0.13 – 0.18 mm (0.0051 – 0.0071 in.)	
	Side gear backlash	0 05 – 0.20 mm (0.0020 – 0.0079 in.)	
	Ring gear runout Max.	0.10 mm (0.0039 in.)	
	Differential case runout Max.	0.07 mm (0.0028 in.)	
	Drive pinion oil seal drive in depth	1.0 mm (0.039 in.)	
	Diff. lock shift fork to sleeve clearance	0.15 – 0.35 mm (0.006 – 0.014 in.)	
		0.9 mm (0.035 in.)	
		1.0 mm (0.039 in.)	
	Side gear thrust washer thickness	1.1 mm (0.043 in.)	
		1.2 mm (0.047 in.)	
		1.3 mm (0.051 in.)	
		1.70 mm (0.0669 in.)	
Rear differential		1.73 mm (0.0681 in.)	
(3RZ–FE,		1.76 mm (0.0693 in.)	
5VZ-FE w/ Diff.		1.79 mm (0.0705 in.)	
lock)		1.82 mm (0.0717 in.)	
		1.85 mm (0.0728 in.)	
		1.88 mm (0.0740 in.)	
		1.91 mm (0.0752 in.)	
		1.94 mm (0.0764 in.)	
		1.97 mm (0.0776 in.)	
	Drive pinion bearing adjusting washer thickness	2.00 mm (0.0787 in.)	
		2.03 mm (0.0799 in.)	
		2.06 mm (0.0811 in.)	
		2.09 mm (0.0823 in.)	
		2.12 mm (0.0835 in.)	
		2.15 mm (0.0846 in.)	
		2.18 mm (0.0858 in.)	
		2.21 mm (0.0870 in.)	
		2.24 mm (0.0882 in.)	
		2.27 mm (0.0894 in.)	
		2.30 mm (0.0906 in.)	
		2.33 mm (0.0917 in.)	