This file is available for free download at http://www.iluvmyrx7.com



www.iluvmyrx7.com

MEASUREMENTS	TD- 2
ENGINE	TD- 2
LUBRICATING SYSTEM	TD- 3
COOLING SYSTEM	TD_ 4
COOLING SYSTEM	10- 4
FUEL AND EMISSION CONTROL	TD C
SYSTEMS (EGI)	ID- 5
FUEL AND EMISSION CONTROL	
SYSTEMS (EGI TURBO)	TD- 6
ENGINE ELECTRICAL SYSTEM	TD- 7
CLUTCH	TD- 8
MANUAL TRANSMISSION	TD- 8
AUTOMATIC TRANSMISSION	TD- 9
PROPELLER SHAFT	TD_12
PROPELLER SHAFT	TD 12
FRONT AND REAR AXLES	1D-12
STEERING SYSTEM	ID-13
BRAKING SYSTEM	TD-13
WHEELS AND TIRES	TD–14
SUSPENSION	TD-15
BODY ELECTRICAL SYSTEM	TD-16
HEATING AND AIR CONDITIONING	
SYSTEMS	TD-17
STANDARD BOLT AND NUT	
TIGHTENING TORQUE	TO_17
TIGHTENING TURQUE	97UTDX-00
	9/UTDX-00

A. MEASUREMENTS

Item			Specification
Overall length		mm (in)	4,315 (169.9) 4,310 (169.7) (With license plate holder)
Overall width		mm (in)	1,690 (66.5)
Overall height		mm (in)	1,265 (49.8)
Wheelbase		mm (in)	2,430 (95.7)
Tread	mm (in)	Front	1,450 (57.1)
<u> </u>	····· (iii)	Rear	1,440 (56.7)

C. ENGINE

Item			Engi	ine model	RE 13B (TURBO)	RE 13B (NON-TURBO)	
Туре					Rotar	y engine	
Displacement cc (cu in)					654x2 (40.0x2)		
Number of rotors and arrangement					2 rotors, longitudinal		
	ion chamber		_			athtub	
Compres					9.0:1	9.7:1	
	1		Primar	······································	45° ATDC		
		Open	Secon	<u>. </u>	+ <u> </u>	32° ATDC	
			Auxilia		329	·	
Port	Intake		Primar		50° ABDC	45° ATDC	
timing		Close	Secon	<u>, </u>	50° ABDC	40° ABDC	
•		0.000	Auxilia			30° ABDC	
		Open	TAUXIIIa			80° ABDC	
	Exhaust	Close				BBDC	
Compress	sion pressure	Minimum				ATDC	
kPa (kg/cr	m², psi)-rpm	Maximum difference	botwoon	hambers		0, 85)-250	
- (-3	, реу /р/п	Distortion limit	Detweet (147 (1.5, 21)-250		
		Side seal wear limit		mm (in)	0.04 (0.0016)		
Side housing		Side seal wear limit mm (in) Side seal wear limit, overlapping			0.10	(0.0039)	
(Front, intermediate and rear housing)	ermediate	oil seal wear mm (in)			0.01	(0.0004)	
and rear	nousing)	Side seal wear limit, outside oil seal wear mm (in)			0.10 (0.0039)		
		Oil seal wear limit mm (in)			0.02 (0.0008)		
Rotor hou	isina	Width		mm (in)		(3.1484—3.1500)	
	g	Maximum width difference mm (in)			0.06 (0.0024)		
		Width (Apex)		mm (in)		(3.1417—3.1437)	
		Clearance of side I	nousing	Standard	0.12-0.21 (0	0.00470.0083)	
Rotor			mm (in)	Min.		(0.0039)	
10101		Diameter of corner se		mm (in)		(0.4331—0.04338)	
		Width of side seal	groove	mm (in)	0.714—0.739 (0.0281—0.0291)		
		Width of apex seal	groove	mm (in)	1.995—2.012 (0.0785—0.0792)		
		Width		mm (in)		0.0752-0.0763)	
		Height (upper and	lower)	Standard		0.315)	
			mm (in)	Min.	6.5(0.256)—Refer to ENGINE INSPECTION section		
		Clearance of apex	eal	Standard	0.041—0.091 (0.0016—0.0036) 0.052—0.092 (0.0020—0.00		
Apex seai	and spring	and rotor groove	mm (in)	Max.	0.15 (0.0059)	
	_		T	Standard		(0.246)	
		Spring free height	Long	Min.		0.181)	
		mm		Standard			
		Snorr ⊢	Min.		(0.130) IGINE INSPECTION section		

Item	Engi	ne model	RE 13B (TURBO)	RE 13B (NON-TURBO)			
item	Thickness	mm (in)	0.661-0.686 (0.0260-0.0270)				
	Clearance of side seal to	Standard	0.028-0.078 (0	0.0011—0.0031)			
	rotor groove mm (in)	Max.	0.10 (0	0.0039)			
Side seal and spring	Height	mm (in)	2.85—3.15 (0.	1122-0.1240)			
olde scar and spring	Protrusion min.	mm (in)	0.50 (0.020)			
	Clearance of side seal to	Standard	0.05-0.15 (0.	0020-0.0059)			
	corner seal mm (in)	Max.	0.40 ((0.016)			
	Outer diameter	mm (in)	10.990—11.014	(0.43270.4336)			
Corner seal and	Height	mm (in)	6.8—7.0 (0.	268—0.276)			
spring	Protrusion min.	mm (in)	0.50 ((0.020)			
	Height	mm (in)	5.6—5.8 (0.220—0.228)				
Rotor oil seal and	Oil seal lip width max.	mm (in)	0.50 (0.020)				
spring	Protrusion min.	mm (in)	0.50 ((0.020)			
Main bearing	Inner diameter	mm (in)	43.025—43.050 (1.6939—1.6949)				
Rotor bearing	Inner diameter	mm (in)	74.025—74.050	(2.9144—2.9153)			
	Runout max.	mm (in)	0.12 (0.0047)				
		Standard	0.040-0.070 (0.0016-0.0028)				
	End play mm (in)	Limit	0.09 (0.0035)				
	Main journal diameter	mm (in)		(1.6917—1.6923)			
Eccentric shaft	Clearance of main journal	Standard	0.0400.080 (0.0016—0.0031)			
	mm (in)	Limit	0.10 (0.0039)				
	Rotor journal diameter	mm (in)		(2.91222.9128)			
	Clearance of rotor journal	Standard	0.040—0.080 (0.0016—0.0031)			
	mm (in)	Limit	0.10 (0.0039)				
	Alternator	Used	14—17 (0.55—0.67)				
Drive belt deflection	Air pump	Used).43—0.51)			
at 98 N (10 kg, 22 lb)	A/C compressor	Used	8—9 (0.31—0.35)				
mm (in)	P/S pump	Used	14.0—16.0	(0.55—0.63)			

D. LUBRICATING SYSTEM

Item		Engin	e model	RE 13B (TURBO)	RE 13B (NON-TURBO)	
Lubrication system				Forced-fed		
	Туре				choid	
	Lobe clearance of out	er	Standard	0.03-0.12 (0	0.0012—0.0047)	
	rotor to inner rotor mm (in)		Max.	0.15 (0.0059)		
Oil pump	Clearance of outer rotor to		Standard	0.20-0.25 (0.0079-0.098)		
Оп ратър		mm (in)	Max.	0.30 (0.0118)		
		mm (in)	Standard	0.03—0.13 (0.0012—0.0051)		
	End float mn		Max.	0.15 (0.0059)		
Pressure control valve	Relief pressure kF	Pa (kg/	(cm², psi)	1,079 (11.0, 156)	
T TESSUIC CONTROL VALVE	Type	- (3		Air-cooled, w	th bypass valve	
	Relief temperature		°C (°F)	60-65 (140-149) or below		
Oil cooler	Relief pressure dif. kf	Pa (kg/		349 (3.56, 50) at 60°C (140°F)		
	Bypass valve protrusion mm (in)			5 (0.2) or more		

Item		Engine model	RE 13B (TURBO)	RE 13B (NON-TURBO)	
Regulator valve	Relief pressure	kPa (kg/cm², psi)	490 ((5.0, 71)	
Oil filter	Туре			paper element	
	Relief pressure dif.	kPa (kg/cm², psi)		1.0, 14)	
Eccentric shaft	Relief temperature	°C (°F)) or below	
bypass valve	Protrusion	mm (in)	6 (0.24) or more		
		Total (dry engine)	5.8 (6.1, 5.1)		
	Capacity liters (US qt, Imp qt)	Oil pan	4.4 (4.7, 3.9)		
		Oil cooler	0.85 (0.90, 0.75)		
Engine oil		Oil filter	0.19 (0.20, 0.17)Factory installed 0.17 (0.18, 0.15)Service parts		
Lingine oil	Classification		API service "Fuel efficient" SF (Mineral only)		
	-10°C (15°F) or ov	/er	20W-40, 20W-50		
	-25-30°C (-10-85		10W-30		
	-25°C (-10°F) or €	over	10W-40, 10W-50		
	0°C (32°F) or below	W	5W-30		

E. COOLING SYSTEM

Item	Eng	RE 13B (TUF	RE 13B (TURBO) RE			
Cooling method			RE 13B (TURBO) RE 13B (NON-TURBO) Water-cooled, forced circulation			
Water Type				Centrifugal im		
Water pump	Pulley ratio (Speed)	·	1:1.22	PO1101		
	Туре			Wax, bottom b	vnass	
Thermostat	Opening temperature	°C (°F)		80.5—83.5 (177		
memiosiai	Full-open temperature	°C (°F)		95 (203)		
	Full-open lift min.	mm (in)		8—10 (0.31—		
Radiator	Туре		Corrugated			
Coolant filler cap	Relief pressure kPa (k	74—103 (0.75—1.05, 11—15)				
	Cooling fan	Thermo-modulated				
Cooling fan	Number of blades	10				
	Outer diameter	390 (15.35)				
-	Туре	Electrical				
Electric cooling fan	Capacity	90				
Licetific cooling fair	Number of blades	5				
	Outer diameter mm (in)		255 (10.04)			
Drive belt deflection at	Alternator	Used	14—17 (0.55—0.67)			
98 N (10 kg, 22 lb) mm (in)	Air pump	Used		11—13 (0.43—		
Coolant	Capacity liters (US	qt, Imp qt)	8.7 (9.2, 7.7		7.3 (7.7, 6.4)	
		Mixture		centage %	Specific gravity at	
	Protection		Water	Antifreeze	20°C (68°F)	
Antifreeze solution	Above –16°C (3°F)		65	35	1.054	
	Above -26°C (-15°F)		55	45	1,066	
	Above -40°C (-40°)		45	55	1.078	

F1. FUEL AND EMISSION CONTROL SYSTEMS (EGI)

Item				Specification			
Fuel tank capacity	lite	ers (US gal, Imp g	al)	70 (18.5, 15.4)			
		Low pressure		Nylon 6 (164 and 45 mesh)			
Fuel filter	Туре	High pressure		Filter paper			
	Туре		_	Impeller (intank)			
Fuel pump	Output pressure	kPa (kg/cm², p	si)	441—588 (4.5—6.0, 64.0—85.3)			
	Туре			Diaphragm			
Pressure regulator	Regulated pressure	kPa (kg/cm², p	si)	235—275 (2.4—2.8, 34.1—39.8)			
	Type			Horizontal-draft (2 stages, 3 barrel)			
		Primary mm (in)	45 (1.772)			
Throttle body	Throat diameter	Secondary mm (45 (1.772)x2			
micke body	Water thermo valve			M/T; 67-77 (153-171) or more			
	, valor internity value	°C (°	°F)	A/T; 60—70 (140—158) or more			
Air cleaner	Element type			Long life wet			
Accelerator cable	Deflection	mm ((in)	1—3 (0.04—0.12)			
Idle speed (Test co	l		om	$750 \pm 25 (A/T; in N range)$			
Dashpot	Adjustment speed	<u>.</u>	om	2,700—3,100			
Injector	Drive	<u>.</u>		Voltage drive			
(Primary and	Injection volume	cc (cu in)/15 se	ec.	111—118 (6.8—7.2)			
secondary)	Resistance		Ω	12—16			
	Resistance	E2 ↔ Vs	Ω	200-400 (Closed ↔ Open; 20°C (68°F))			
Airflow meter				200-1,000 (Closed; 20°C (68°F))			
7 dirilott triotor		E2 ↔ Vc	Ω	20-800 (Open; 20°C (68°F))			
	Resistance	-20°C (-4°F)	kΩ	16.2 ± 1.6			
Water thermo-			kΩ	2.5 ± 0.2			
sensor			kΩ	0.3 ± 0.1			
Heat hazard sensor	Operation tempera	<u> </u>		105—115 (221—239)			
Tical Hazara sonsor	o portation to mporta	-20°C (-4°F)	$-\overset{'}{\Omega}$	10,000—20,000			
		0°C (32°F)	Ω	4,000—7,000			
	Airflow meter	20°C (68°F)	$\overline{\Omega}$	2,000—3,000			
Intake air	7 (1111077 711010)	40°C (104°F)	Ω	900—1,300			
thermosensor		60°C (140°F)	Ω	400—700			
	Dynamic	<u> </u>	kΩ	33 ± 4			
	chamber		kΩ	3.5 ± 0.4			
		· · · · · · · · · · · · · · · ·		Idle position; 0.6—0.9			
Throttle sensor	Resistance	D-E	kΩ	Full open; 3.4—5.1			
(Full range)		0-F	kΩ	4.0—6.0			
			kΩ	Idle position; 0.8—1.2			
Throttle sensor	Resistance	A-B	W72	Full open; 4.0—6.0			
(Narrow range)		B-©	kΩ	4.0—6.0			
Solenoid valve (BAC)	Resistance		Ω	10.7—12.3			
Solenoid valve (AWS)	Resistance		Ω	9.3—11.3			
Circuit opening	Pasiatanas	STA ↔ E1	Ω	21—43			
relay	Resistance	B ↔ Fc	Ω	109—226			
Sub-zero starting a	ssist fluid			Anti-freeze 90% water 10%			

F2. FUEL AND EMISSION CONTROL SYSTEMS (EGI TURBO)

	Item		Specification
Fuel tank capacity		liters (US gal, Imp ga	70 (18.5, 15.4)
Fuel filter	Tuno	Low pressure	Nylon 6 (164 and 45 mesh)
	Туре	High pressure	Filter paper
Fuel numn	Туре		Impeller (intank)
Fuel pump	Output pressure	kPa (kg/cm², ps	
Denne de la	Туре	<u> </u>	Diaphragm
Pressure regulator	Regulated pressu	re kPa (kg/cm², ps	
	Туре	(3,, -, -, -, -, -, -, -, -, -, -, -, -	Horizontal-draft (2 stage, 3 barrel)
		Primary mm (in	
Throttle body	Throat diameter	Secondary mm (in	<u> </u>
-	Water thermo valv	ve operation temp.	
	Taker bronne rai	°C (°F	55—65 (131—149) or more
Air cleaner	Element type		Long life wet
Accelerator cable	Deflection	mm (in	
Idle speed (Test co	onnector grounded)	rpn	
-	 	tle sensor (narrow	
Dashpot 	range) resistance	(A−B) ks	1.8—3.8
Injector	Drive		Voltage drive
(Primary and	Injection volume	cc (cu in)/15 sec	
secondary)	Resistance	2	
Airflow meter	Resistance	E2 ↔ Vs	200-400 (Closed ↔ Open; 20°C (68°F))
		- V	200—1,000 (Closed: 20°C (68°E))
		E2 ↔ Vc	20—800 (Open; 20°C (68°F))
	Resistance	-20°C (-4°F) ks	
Water thermo-		20°C (68°F) ks	7.0
sensor		80°C (176°F) ks	
Heat hazard sensor	Operation temperation		
		-20°C (-4°F) \$	
	Airflow meter	0°C (32°F)	15,000 25,000
		20°C (68°F) 1	1,000
Intake air	1	40°C (104°F) Ω	
thermosensor		60°C (140°F) \$	333 7,000
	Engine	20°C (68°F) kΩ	7.00
	(Intake air pipe)	85°C (185°F) ks	
 .	(pipo)		Idla pacition 0.0 0.0
Throttle sensor	Resistance	_©_€ kΩ	Idle position; 0.6—0.9 Full open; 3.4—5.1
Full range)	, rosistance	(D-(F) k(1)	
T			Idla position, 0.0, 1.0
Throttle sensor	Resistance	(A)—(B) kΩ	Full open; 4.0—6.0
(Narrow range)		®−© kΩ	
Solenoid valve (BAC)	Resistance	U	
Solenoid valve (AWS)	Resistance	C	9.3—11.3
Solenoid valve (ASV)	Resistance	Ω	16.5—23.5
Circuit opening	Resistance	STA ↔ E1 Ω	21—43
relay	Resistance	B ↔ Fc Ω	— · — · · · · · · · · · · · · · · · · ·
	Туре		Water cooled
Turbocharger	Lubrication	-	Engine oil
rarboanargar			_ii.

	Item	Specification		
Waste gate valv	e			Incorporated with turbocharger
Intercooler	Type			Air cooled
	ystem knocking frequ	3.5 ± 0.3		
7470011 001111 01 0	,	a—b	Ω	0
Fuel pump	Resistance	c-d	Ω	60—92
resistor relay		e-f	Ω	0.74—0.94
Sub-zero starting		Anti-freeze 90% water 10%		

G. ENGINE ELECTRICAL SYSTEM

lto-m				Model	M/T (EGI)		A/T (EGI)	M/T (EGI TURBO)	
Item Charging system									
Charging syste	Type				Maintenance fre	e. 55	5D23L, 65D23L (65D)	23L: Coldproof area)	
		Voltage V			Trained trained tr	,	12	· · · · · ·	
		Voltage					55 (65D23L)		
Battery	Capacit	У		Ah _			60 (55D23L)		
,	Specific	gravity at	Recharge	at			1.230		
	20°C (6		Fully charg	ged		_	1.280		
	Chargin	g current		A	55	D23L	: Max. 6 65D23L; N	Лах. 5.5	
	Type						A/C type		
	Voltage	-capacity		V-A			12-80		
	Pulley r	atio					1:2.03		
Load Alternator Regul	L and to	.at	Current	A			Min. 60		
	Load te	·sı	Speed	rpm			2,500		
	Regulat	ed voltage	,	V			14.1—14.7		
		Number			2				
	Brush	Length							
	Diusii	mm (in)					0.073		
		Spring for	<u>ce 1</u>	۷ (kg, lb)	2.9—4.3 (0.3—0.44, 0.66—0.97)				
Starter system								1.0	
	Output		Voltage	kW	1.2		2.0	1.2	
		-		V					
	Free rui	nning test	Current	Α			Max. 90		
			Speed	rpm	Min. 3,000				
			Voltage	V	N: 700		4 Min. 980	Min. 780	
	Lock te	st	Current	A ()	Min. 780 Min. 17.6 (1.79,	12.0\		Min. 17.6 (1.79, 13.0)	
_		1	Torque N-m	(m-kg, it-lb)	Will. 17.6 (1.79,	13.0)	4	14111. 17.0 (1.73, 10.0)	
Starter		Number	Ot a rada and		17.5 (0.689)				
	Brush	Length	Standard		<u> </u>		10.0 (0.394)		
		mm (in)	Limit	المالية المالية		11	-23 (1.4-2.4, 3.1-	5.2)	
		Spring for	ce I Standard	V (kg, lb)	 		0.5—0.8 (0.02—0.03		
	Mica de	epth mm (in)	Limit	-	0.5—0.8 (0.02—0.03)				
	Pinion or		clutch engaged	d) mm (in)					
		on of magn		<u>a) ana (iji)</u>	<u> </u>		Max. 8V		
Electronic spa					<u> </u>				
<u>_</u>			G①—G②		T		110—210		
Crank angle sensor	Resista	псе	Nen—Ne				110—210		
3611301			1100-140	<u> </u>					

Item			Model	M/T (EGI)	A/T (EGI)	M/T (EGI TURBO)	
Ignition system	<u> </u>						
Ignition timing Leading			ATDC	5° ± 1° (Test connector grounded)			
	Trailing	ATDC	20° ± 2° (Test connector grounded)				
Timing mark location				Eccentric shaft pulley			
Spark plug	Туре	NGK		Trailing	Trailing: BUR9EQ, Leading: BUR7EQ		
- opan plag	Gap	Gap mm (in)			1.4 (0.056)		
Ignition coil	Resistance	Primary	Ω	0.2-1.0			
High-tension lead	Resistance Ω/1 m (3.28 ft)			16,000			
Drive belt	Deflection at 98 N		New	12—15 (0.47—0.59)			
	(10 kg, 22 lb)	mm (in)	Used	14—17 (0.55—0.67)			

H. CLUTCH

	Ite	m		Speci	fication
	itei			Turbo model	Non-Turbo model
	Pedal ratio)		6.3	35:1
	Stroke		mm (in)	135	(5.31)
Clutch pedal	Height (Wi	th carpet)	mm (in)		(7.20—7.60)
	Pedal free	play	mm (in)	0.6-3.0 (0.02-0.12)	
	Disengagement height mm (in		mm (in)	54 (2.13)	
Clutch cover			N (kg, lb)	6,867 (700, 1,540)	5,199 (530, 1,166)
-	Facing (ou	ter)	mm (in)	230 (9.06)	225 (8.86)
	Facing (inr	ner)	mm (in)	155 (6.10)	150 (5.91)
Clutch disc	Thickness	Pressure plate s	side mm (in)	3.2 (0.13)	3.2 (0.13)
0.0.0	MICKIESS	Flywheel side	mm (in)	3.2 (0.13)	3.2 (0.13)
	Run-out lin	Run-out limit r		0.7 (0.028)	
	Wear limit		mm (in)	0.3 (0.012)	
Master cylinder	Bore		mm (in)	15.87 (0.625)	
Release cylinder	Bore		mm (in)		(0.750)

J1, J2. MANUAL TRANSMISSION

	ltem	Spec	ification	
		Turbo model	Non-Turbo model	
	1st	3.483	3.475	
	2nd	2.015	2.002	
Gear ratio	3rd	1.391	1.366	
Geal Tallo	4th	1		
	5th	3.483 3.47 2.015 2.00 1.391 1.000 0.719 0.697 0 3.288 3.49 p qt) 2.5 (2.6, 2.2) 2.5 (2.6 n (in) 0.03 (0.0012) 0.03 (0.0 gear n (in) 0.15 (0.006) ar 0.15 (0.006) utch n (in) 0.5 (0.020) nd 0.8 (0.031)	0.697 0.756*	
	Reverse	3.288		
Oil capacity	liters (US qt, Imp qt)	2.5 (2.6, 2.2)	3.493 2.5 (2.6, 2.2)	
	Max. permissible run-out mm (in)		0.03 (0.0012)	
Mainshaft	Clearance between mainshaft and gear (or bush) Wear limit mm (in)			
Reverse idle gear	Clearance between reverse idle gear bushing and shaft Wear limit mm (in)	0.15	(0.006)	
Shift fork and rod	Clearance between shift fork and clutch sleeve Wear limit mm (in)	0.5 (0.020)		
	Clearance between shift rod gate and control lever Wear limit mm (in)	0.8 ((0.031)-	
Synchronizer ring	Clearance between synchronizer ring and side of gear when fitted Standard mm (in) Wear limit mm (in)			
Lubriaget	Above 10°C (50°F)			
Lubricant	All seasons			
Lubricant	· · · · · · · · · · · · · · · · · · ·			

K. AUTOMATIC TRANSMISSION

Item		Model	N4A-EL
Item	1st		2.841
	2nd		1.541
Gear ratio	3rd		1.000
Clear ratio	OD (4th)		0.720
	Reverse		2.400
Automatic transmission	Type		Dexron-II or M-III
fluid (ATF)		iters (US qt, Imp qt)	7.3 (7.7, 6.4)
noid ((())	Body clearance	Standard	0.02—0.04 (0.0008—0.0016)
	mm (in)	Maximum	0.08 (0.0031)
	Tip clearance	Standard	0.14—0.21 (0.0055—0.0083)
Oil pump	mm (in)	Maximum	0.25 (0.0098)
	Side clearance	Standard	0.05—0.20 (0.0020—0.0079)
	mm (in)	Maximum	0.25 (0.0098)
	Seal ring and groove	Standard	0.04-0.16 (0.0016-0.0063)
Drum support	clearance mm (in)	Maximum	0.40 (0.016)
	Side plate clearance	e mm (in	0.2 (0.008)
			0.4 (0.016), 0.6 (0.024), 0.8 (0.031),
Direct clutch	Side plate size	mm (in	1.0 (0.005); 1.2 (0.047)
	End play	mm (in	0.5—0.8 (0.020—0.031)
	Bearing race size mm (in)		0.8 (0.031), 1.0 (0.039), 1.2 (0.047), 1.4 (0.055), 1.6 (0.063), 1.8 (0.071), 2.0 (0.079), 2.2 (0.087)
	Pinion clearance Standard		0.2-0.7 (0.008-0.028)
	mm (in) Maximum		0.8 (0.031)
OD planetary	Total end play	mm (in	0.25-0.50 (0.010-0.020)
gear unit	Bearing race size mm (in)		1.2 (0.047), 1.4 (0.055), 1.6 (0.063), 1.8 (0.071), 2.0 (0.079), 2.2 (0.087)
	Retaining plate clea	arance mm (in	0.9—1.1 (0.035—0.043)
	Retaining plate size mm		5.0 (0.197), 5.2 (0.205), 5.4 (0.213), 5.6 (0.220), 5.8 (0.228), 6.0 (0.236), 6.2 (0.244)
Front clutch	End play		0.5-0.8 (0.020-0.031)
	End play mm (in) Bearing race size mm (in)		0.8 (0.031), 1.0 (0.039), 1.2 (0.047), 1.4 (0.055),
	Retaining plate clearance mm (in)	Maximum	0.8—1.0 (0.031—0.039)
Rear clutch	Total end play	mm (ir	0.250.50 (0.0100.020)
near Goton	Bearing race size	mm (ir	1.2 (0.047), 1.4 (0.055), 1.6 (0.063),
First standami	Pinion clearance	Standard	0.2—0.7 (0.008—0.028)
Front planetary gear unit	mm (in)	Maximum	0.8 (0.031)
	Pinion clearance	Standard	0.2-0.7 (0.008-0.028)
Rear planetary gear unit	mm (in)	Maximum	0.8 (0.031)
	Retaining plate clea	1	0.8—1.05 (0.031—0.041)
Low and reverse brake	Retaining plate size		11.8 (0.465), 12.0 (0.472), 12.2 (0.480),
	Seal ring to groove	Standard	0.04-0.16 (0.002-0.006)
Oil distributor	clearance mm (in)	Maximum	0.40 (0.016)

Valve spring specification
Pressure regulator
1-2 shift
Control valve
Normal Second S
Principle backup 8.3 (0.327) 18.3 (0.720) 7.5 0.8 (0.031)
Control valve Backup control R.5 (0.335) 21.3 (0.839) 9.25 0.9 (0.035) N-R reducing 7.4 (0.291) 14.5 (0.571) 7.0 0.6 (0.024) Pressure modifier 9.2 (0.362) 19.8 (0.780) 7.3 0.7 (0.028) 3-2 control 5.5 (0.217) 39.5 (1.555) 24.4 0.65 (0.026) Throttle relief 7.4 (0.291) 38.2 (1.504) 17.0 11.0 (0.43) 1.2 reducing 9.5 (0.374) 19.5 (0.768) 7.6 0.9 (0.335) 1.2 accumulator 9.3 (0.366) 43.4 (1.709) 24.0 1.4 (0.055) N-R/2-3 accumulator 8.7 (0.343) 75.8 (2.984) 30.0 1.1 (0.043) N-D accumulator 9.3 (0.366) 43.4 (1.709) 24.0 1.4 (0.055) Throttle relief (bell) 6.5 (0.256) 26.8 (1.055) 16.0 0.9 (0.035) Throttle relief (bell) 6.5 (0.256) 26.8 (1.055) 16.0 0.9 (0.035) Throttle relief (bell) 6.5 (0.256) 26.8 (1.055) 16.0 0.9 (0.035) Drum Doacumulator 5.45 (0.215) 25.7 (1.012) 16.5 0.65 (0.026) Drum Doacumulator 6.6 (0.334) 40.4 (1.590) 9.8 2.6 (0.102) Drum Doacumulator 6.6 (0.334) 40.4 (1.590) 9.8 2.6 (0.102) Drum Doacumulator 6.6 (0.334) 40.4 (1.590) 9.8 2.6 (0.102) Drum Doacumulator 6.6 (0.334) 40.4 (1.590) 9.8 2.6 (0.102) Drum Doacumulator 6.6 (0.334) 40.4 (1.590) 9.8 2.6 (0.102) Drum Doacumulator 7.2 (0.283) 32.0 (1.324) 48.0 (1.890) 7.0 3.5 (0.138) Direct, tront, and rear ciutches 8.0 (0.315) 30.5 (1.378) - 3.5 (0.138) Direct, tront, and rear ciutches 8.0 (0.315) 30.5 (1.201) 14.5 1.3 (0.051) Draking root 7.2 (0.283) 32.0 (1.260) 14.0 0.7 (0.028) Shift point (except convertible) 7.2 (0.283) 32.0 (1.260) 14.0 0.7 (0.028) Draking root 7.2 (0.283) 3.2 (0.284) 7.0 1.0
N-R reducing
Pressure modifier 9.2 (0.362) 19.8 (0.780) 7.3 0.7 (0.028)
Solitro Valve
Throttle relief
Driftice check 5.0 (0.197) 15.5 (0.610) 12.0 (0.23 (0.009)
1-2 reducing 9.5 (0.374) 19.5 (0.768 7.6 0.9 (0.093) 1-2 accumulator 10.3 (0.406) 62.6 (2.465) 24.0 1.4 (0.055) N-Ri-2-3 accumulator 8.7 (0.343) 75.6 (2.984) 30.0 1.1 (0.043) N-D accumulator 9.3 (0.366) 43.4 (1.709) 24.0 1.4 (0.055) N-D accumulator 9.3 (0.366) 43.4 (1.709) 24.0 1.4 (0.055) N-D accumulator 9.3 (0.366) 43.4 (1.709) 24.0 1.4 (0.055) N-D accumulator 9.3 (0.366) 43.4 (1.709) 24.0 1.4 (0.055) Drum support Common 16.0 (0.630) 40.4 (1.590) 9.8 2.6 (0.102) Drum support OD accumulator 16.0 (0.630) 40.4 (1.590) 9.8 2.6 (0.102) Band serve OD 28.0 (1.102) 48.0 (1.890) 7.0 3.5 (0.138) Direct, front, and rear clutches 8.0 (0.315) 30.5 (1.201) 14.5 1.3 (0.051) Direct, front, and rear clutches 8.0 (0.315) 30.5 (1.201) 14.5 1.3 (0.051) Direct, front, and rear clutches 8.0 (0.315) 30.5 (1.201) 14.5 1.3 (0.051) Parking rod 7.2 (0.283) 32.0 (1.260) 14.0 0.7 (0.028) Shift point (except convertible) 7.2 (0.283) 32.0 (1.260) 14.0 0.7 (0.028) Shift point (except convertible) 7.2 (0.283) 3.2 (0.1260) 14.0 0.7 (0.028) Fully opened (4.3 volt) 10.1 → 12 (0.25 + 0.25 +
1-2 accumulator
N-R/2-3 accumulator 8.7 (0.343) 75.8 (2.984) 30.0 1.1 (0.043)
N-D accumulator 9.3 (0.366) 43.4 (1.709) 24.0 1.4 (0.955)
Di pump
Direct production Substitution
Drum support OD accumulator 16.0 (0.630) 40.4 (1.590) 9.8 2.6 (0.102)
Direct, front, and rear clutches 28.0 (1.102) 48.0 (1.890) 7.0 3.5 (0.138)
Band servo 2nd 28.25 (1.112) 35.0 (1.378) -3.3 (0.138)
Direct, front, and rear clutches 8.0 (0.315) 30.5 (1.201) 14.5 1.3 (0.051)
Low and reverse brake
Parking rod Trottle condition Turbine speed (rpm) Vehicle speed km/h (mph)
Shift point (except convertible) Mode Range Throttle condition (Throttle sensor voltage) Shift Turbine speed (rpm) Vehicle speed km/h (mph)
Mode Range Throttle condition (Throttle sensor voltage) Shift Turbine speed (rpm) Vehicle speed km/h (mph) Pully opened (4.3 volt) D1→D2 5,780—6,350 60—66 (37—41) D2→D3 5,800—6,210 111—119 (69—74) D3→OD 5,250—5,590 155—165 (96—102) D2→D3 3,950—4,520 41—47 (25—29) D2→D3 3,970—4,390 76—84 (47—52) Lockup ON (D3) 3,290—3,490 97—103 (60—64) D3→OD 3,860—4,130 114—122 (71—76) Lockup ON (D0) 3,860—4,130 114—122 (71—76) Lockup OFF (DD) 2,100—2,290 86—94 (53—58) D0→D3 2,100—2,290 86—94 (53—58) D3→D2 1,390—1,660 41—49 (25—30) D3→D2 3,420—3,690 101—109 (63—68) D2→D1 2,190—2,510 42—48 (26—30) S2→S3 5,800—6,210 111—119 (69—74) S3→S2 3,460—3,660 102—108 (63—67) S2→S3 3,950—4,520 41—47 (25—29) S2→S3 3,950—4,520 41—47 (25—29) </td
Normal Fully opened (4.3 volt) Shift Turbine speed (rpm) Vehicle speed km/h (mph)
Fully opened (4.3 volt)
Pully opened (4.3 volt) D2→D3 5,800-6,210 111-119 (69-74)
Part
Part
Part
Half throttle (2.6 volt)
D
D
Normal S
Normal Norma
Normal Normal N
Normal Rickdown $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Normal Normal Rickdown
Normal D2 \rightarrow D1 2,190-2,510 42-48 (26-30) S1 \rightarrow S2 5,780-6,350 60-66 (37-41) S2 \rightarrow S3 5,800-6,210 111-119 (69-74) S3 \rightarrow S2 3,460-3,660 102-108 (63-67) S2 \rightarrow S1 2,190-2,510 42-48 (26-30) S1 \rightarrow S2 3,950-4,520 41-47 (25-29) S2 \rightarrow S3 3,970-4,390 76-84 (47-52) S3 \rightarrow S2 1,420-1,630 42-48 (26-30) L1 \rightarrow L2 5,780-6,350 60-66 (37-41) L2 \rightarrow L1 \rightarrow L2 L2 L1 2,190-2,510 42-48 (26-30)
Fully opened (4.3 volt) $ S = \begin{bmatrix} S_1 \rightarrow S_2 & 5,780 - 6,350 & 60 - 66 & (37 - 41) \\ S_2 \rightarrow S_3 & 5,800 - 6,210 & 111 - 119 & (69 - 74) \\ S_3 \rightarrow S_2 & 3,460 - 3,660 & 102 - 108 & (63 - 67) \\ S_2 \rightarrow S_1 & 2,190 - 2,510 & 42 - 48 & (26 - 30) \\ S_1 \rightarrow S_2 & 3,950 - 4,520 & 41 - 47 & (25 - 29) \\ S_2 \rightarrow S_3 & 3,970 - 4,390 & 76 - 84 & (47 - 52) \\ S_3 \rightarrow S_2 & 1,420 - 1,630 & 42 - 48 & (26 - 30) \\ E = \begin{bmatrix} Fully opened & (4.3 \text{ volt}) & L_1 \rightarrow L_2 & 5,780 - 6,350 & 60 - 66 & (37 - 41) \\ L_2 \rightarrow L_1 & 2,190 - 2,510 & 42 - 48 & (26 - 30) \end{bmatrix} $
$ S = \begin{bmatrix} Fully \text{ opened (4.3 volt)} & S_2 \rightarrow S_3 & 5,800 - 6,210 & 111 - 119 (69 - 74) \\ \hline S_3 \rightarrow S_2 & 3,460 - 3,660 & 102 - 108 (63 - 67) \\ \hline S_2 \rightarrow S_1 & 2,190 - 2,510 & 42 - 48 (26 - 30) \\ \hline Half \text{ throttle (2.6 volt)} & S_1 \rightarrow S_2 & 3,950 - 4,520 & 41 - 47 (25 - 29) \\ \hline S_2 \rightarrow S_3 & 3,970 - 4,390 & 76 - 84 (47 - 52) \\ \hline S_3 \rightarrow S_2 & 1,420 - 1,630 & 42 - 48 (26 - 30) \\ \hline L & Fully \text{ opened (4.3 volt)} & L_1 \rightarrow L_2 & 5,780 - 6,350 & 60 - 66 (37 - 41) \\ \hline L & L_2 \rightarrow L_1 & 2,190 - 2,510 & 42 - 48 (26 - 30) \\ \hline \end{bmatrix} $
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Half throttle (2.6 volt) $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
Half throttle (2.6 volt) $\begin{array}{c ccccccccccccccccccccccccccccccccccc$
L Fully opened (4.3 volt)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
Holf throttle (O.C10)
Half throttle (2.6 volt) L1→L2 4,040—4,620 42—48 (26—30)
D2→D3 890—1,200 17—23 (11—14)
D D3→D2 200—470 6—14 (4—9)
Hold OD→D3 3,830—3,980 157—163 (97—101)
S Fully closed (0.8 volt) S ₃ →S ₂ 3,800—4,000 112—118 (69—73)
L2→L1 2,350—2,660 45—51 (28—32)

TECHNICAL DATA TD

Item			Model	N4	A-EL
	oint (cor	vertible)			
Mode	Range	Throttle condition (Throttle sensor voltage)	Shift	Turbine speed (rpm)	Vehicle speed km/h (mph)
	-	(1111 out o contact 1 to the g-7	D1→D2	5,960—6,560	59—65 (37—40)
		Fully opened (4.3 volt)	D2→D3	5,910—6,350	108—116 (67—72)
		, ,	D3→OD	5,330—5,690	150—160 (93—99)
		, , , , , , , , , , , , , , , , , , , ,	D1→D2	4,040—4,640	40—46 (25—29)
			D2→D3	4,050—4,490	74—82 (46—51)
			Lockup ON (D3)	3,450—3,660	97—103 (60—64)
			D ₃ →OD	3,910—4,190	110—118 (68—73)
		Half throttle (2.6 volt)	Lockup ON (OD)	2,810—3,020	110—118 (68—73)
	l I D		Lockup OFF (OD)	2,120—2,330	83—91 (51—56)
			OD→D3	2,120—2,330	83—91 (51—56)
			D3→D2	1,460—1,740	41—49 (25—30)
		Kickdown	OD→D3	3,530—3,790	138—148 (86—92)
	ļ		D3→D2	3,4103,700	96—104 (60—64)
lormal			D2→D1	2,190—2,520	40—46 (25—29)
		Fully opened (4.3 volt)	S1→S2	5,960—6,560	5965 (3740)
			S2→S3	5,910—6,350	108—116 (67—72)
	s		S3→S2	3,450—3,660	97—103 (60—64)
			S2→S1	2,190—2,520	40—46 (25—29)
		Half throttle (2.6 volt)	S1→S2	4,040—4,640	40—46 (25—29)
			S2→S3	4,110—4,440	75—81 (47—50)
-			S ₃ →S ₂	1,460—1,740	41—49 (25—30)
			L1→L2	5,9606,560	59—65 (37—40)
	L	Fully opened (4.3 volt)	L2→L1	2,190—2,520	40—46 (25—29)
	_	Half throttle (2.6 volt)	L1→L2	4,040—4,640	40—46 (25—29)
		, , , , , , , , , , , , , , , , , , , ,	D2→D3	930—1,260	17—23 (11—14)
	l D	_	D3→D2	210—500	6—14 (4—9)
Hold			OD→D3	3,840—3,990	150—156 (93—97)
	S	Fully closed (0.8 volt)	S3→S2	3,800—4,020	107—113 (66—70)
	<u> </u>	1 ,	L2→L1	2,350—2,680	43—49 (27—30)

Item		Model	N4A-EL		
	Shift position	Engine speed	750 ± 25		
	R range	Idle	638—736 (6.5—7.5, 92—107)		
	kPa (kg/cm², psi)	Stall	1,864—2,060 (19.0—21.0, 270—299)		
	D (Normal) range	Idle	294—392 (3.0—4.0, 43—57)		
	kPa (kg/cm² psi)	Stall	883—1,079 (9.0—11.0, 128—156)		
Line pressure	S (Normal) range	Idle	294—392 (3.0—4.0, 43—57)		
	kPa (kg/cm², psi)	Stall	883—1,079 (9.0—11.0, 128—156)		
	S (Hold) range	Idle	294—392 (3.0—4.0, 43—57)		
	kPa (kg/cm², psi)	Stail	638-834 (6.5-8.5, 92-121)		
	L range	Idle	294—392 (3.0—4.0, 43—57)		
	kPa (kg/cm², psi)	Stall	883—1,079 (9.0—11.0, 128—156)		
Engine stall speed		rpm	1,900—2,100		
	Clearance between body valve	and throttle mm (in)	Adjusting rod length mm (in)		
Vacuum	Below 27.30 (1.0748)		29.0 (1.14)		
diaphragm	27.30—27.80 (1.0748—1.		29.5 (1.16)		
	27.80—28.30 (1.0945—1.		30.0 (1.18)		
	28.30—28.80 (1.1142—1.	1339)	30.5 (1.20)		
	28.80 (1.1339) or over		31.0 (1.22)		
	N ↔ D (Normal)	sec.	0.5—0.6		
Time lag	N ↔ D (Hold)	sec.	0.5—0.6		
	N ↔ R	sec.	0.75—0.85		

L. PROPELLER SHAFT

Item		Specification
Max. permissible run-out	mm (in)	0.4 (0.016)

M. FRONT AND REAR AXLES

	Item		Speci	fication	
			Turbo model	Non-Turbo model	
Reduction ratio Ma	/T		4.1 4.1, 4.3 (Viscous L.S.		
Reduction ratio A/	T (convertible)		- 3.909 (4.1)		
Backlash of ring g	ear and pinion	mm (in)	0.09-0.11 (0	.0035—0.0043)	
	load (without pinior			11.3—15.6)	
Backlash at side gear and pinion gear mm (in)					
ront wheel bearing end play			0 (0)		
Rear wheel bearin	g end play	mm (in)	0-0.1 (0-0.004)		
	Standard diff.	Above –18°C (0°F)	API Service GL-5 SAE90		
Lubricant	Staridard dill.	Below -18°C (0°F)	API Service GL-5 SAE80W		
Lubricant	Viscous L.S.D.	Above -18°C (0°F)			
Below –18°C (0°F		Below -18°C (0°F)	API Service GL-5 SAE80W		
Oil capacity	Standard diff.	liters (US qt, Imp qt)	_	1.3 (1.4, 1.1)	
<u>-</u>	Viscous L.S.D.	liters (US qt, Imp qt)	1.4 (1.5, 1.2)	1.3 (1.4, 1.1)	
"L" (case spread)		mm (in)	204.43—204.50 (8.048—8.051)		

Viscous L.S.D.: Viscous Limited Slip Differential

N. STEERING SYSTEM

Item	Туре	Engine speed sensing power steering	Electronically controlled power steering	
Steering wheel				
Outer diameter	mm (in)		(15.0)	
Free play).20—0.79)	
Wheel effort	N (kg, lb)	36 (3.7, 8.1) or less	13.7—20.6 (1.4—2.1, 3.1—4.6)	
Lock-to-lock	turns	2.70	3.09	
Steering Shaft				
Shaft type		Coll	apsible	
Joint type		2-cross joint		
Tilt stroke	mm (in)	35	(1.38)	
Power steering system				
Gear type		Rack a	ind pinion	
Gear ratio		∞ (infinite)	
Rack stroke	mm (in)	144	(5.67)	
Power steering fluid		ATF DEXRON-II or M-III		
Fluid capacity	liter (Us qt, Imp qt)	0.8 (0.	85, 0.70)	
Fluid pressure	kPa (kg/cm², psi)	7,848—8,339 (80	—85, 1,137—1,209)	

P. BRAKING SYSTEM

			NON-T	URBO	TURBO	
	Item		Type A*	Type B*	IUNDO	
	Height (with carpet)	mm (in)	184—189 (7.24—7.44)			
	Free play	mm (in)		4-7 (0.16-0.28)		
Brake pedal	Reserve travel (without carpet, clearance who depressed at 58.9 N (6.0 kg,	mm (in) en pedal is 13.2 lb))	100 (3.94) min.			
	Type		Tar	idem (with level sens	or)	
Master cylinder	Bore	mm (in)	22.22 (0.875)	23.81 (0.937)	
,	Fluid type	,	SAE J	1703 or FMVSS116 [DOT-3	
	Type		Ventilated disc, single-piston caliper	Ventilated disc, four piston cali		
	Ti: 1	Standard	9 (0.35)	11 (0.43)		
Front brakes	Thickness of pad mm (in)	Limit	2 (0.08)	2 (0.08)		
(Disc)	Thickness of disc plate	Standard	22 (0.87)			
	mm (in)	Limit	20 (0.79)			
	Disc plate runout	Disc plate runout mm (in)		0.1 (0.004) max.		
	Wheel cylinder bore			36.12 (1.42)		
	Type		Solid disc Ventilated disc		ed disc	
		Standard		8 (0.31)		
	Thickness of pad mm (in)	Limit	1 (0.04)			
Rear brake (Disc)	Thickness of disc plate	Standard	10 (0.39)	20 (0	0.79)	
	mm (in)	Limit	8 (0.31)	18 (0.71)		
	Disc plate runout	Disc plate runout mm (in)		0.1 (0.004) max.		
	Wheel cylinder bore	mm (in)	34.93 (1.375)			
Parking brake	Lever notches [Pulled at 98 N (10 kg, 22 lt	0)]		5—7		

Type A*: Standard suspension models
Type B*: Sport suspension, Auto Adjusting Suspension (AAS), or convertible top models

	Item	NON-T	NON-TURBO		
	item	Type A*	Type B*	TURBO	
	Type	Single dia	aphragm	Tandem diaphragm	
	Diameter mm (in)	238 (9.37)		188&215 (7.40&8.46)	
Power brake unit	Push rod-to-piston clearance mm (in)	appro	the unit is 7 inHg) 012 in)		
	Fluid pressure per treading force when 500 mmHg (19.7 inHg) vacuum applied kPa (kg/cm², psi)/N (kg, lb)	7,063 (72, 1,024) 8,339 (85, 1,209)			
Rear wheel	Type	PBV			
hydraulic control system	Bend portion (Master cylinder pressure) kPa (kg/cm², psi)		2,943 (30, 427)		

Type A*: Standard suspension models
Type B*: Sport suspension, Auto Adjusting Suspension (AAS), or convertible top models

Q. WHEELS AND TIRES

Item	ltem Type			Standard			Temporary spare		
	Size		6JJx	15	6-1/2JJx15	7JJx16	4Tx15	4Tx16	
Wheel	Offset	mm (in)				40 (1.57)		30 (1.18)	
vvrieei	Pitch circle diam	114.3 (4.5)				<u> </u>			
<u> </u>	Material		Steel	Steel Aluminum			Steel	Aluminum	
Tire	Size		205/60R15 89H	*205	6/60VR15	*205/55R16 88V	T135/70D15	T135/70D16	
1116	Air pressure kPa	(kg/cm², psi)		216 (2.2, 32)			415 (4.2, 60)		
	Runout limit	Horizontal				2.0 (0.08)	· · · · · · · · · · · · · · · · · · ·		
Wheel	mm (in)	Vertical		2.0 (0.08)					
and tire	Maximum unbala (at rim edge)	ance g (oz)	9 (0.31) 8 (0.28)			_			

^{*}Indicates directional tires

R. SUSPENSION Front Suspension

		Туре		Sport su	spension	Standard suspension				
Item				Left side	Right side	Left side	Right side			
Suspension type				Strut						
Otalellinan	Туре			Torsion bar						
Stabilizer	Diameter	m	nm (in)	24 (0.94)						
Shock absorbers				Cylindrical, double-acting						
-	Identification ma	Identification mark color			Gray	Red	Light green			
	Wire diameter	n	nm (in)	12.2 (0.48)	12.0 (0.47)	12.0 (0.47)	12.0 (0.47)			
	Coil diameter	Top n	nm (in)	147.2 (5.80)	147.0 (5.79)	147.0 (5.79)	147.0 (5.79)			
Coil springs		Bottom n	nm (in)	69.8 (2.75)	70.0 (2.76)	70.0 (2.76)	70.0 (2.76)			
	Free length	n	nm (in)	346.5 (13.64)	336.5 (13.23)	355.5 (14.00)	348.5 (13.72)			
	Coil number			4.29	4.08	4.41	4.41			
	T-1-1 1 :	mm (in)		3 ± 3 (0.12 ± 0.12)						
	Total toe-in	degree		0°18′ ± 18′						
Front wheel alignment (*Unladen)	Maximum			36° ± 2°						
	steering angle	Outer		32° ± 2°						
	Camber angle			0°20' ± 30'						
	Caster angle	Caster angle			4°40' ± 45'					
	Kingpin angle				13°45'					

Rear Suspension

		Туре	Sport suspension	Standard suspension		
Item			Normal boo	y Convertible top		
Suspension type			Multilink semi-trailing			
	Туре		Torsion bar			
Stabilizer	Diameter	mm (in)	14 (0.55)	12 (0.47)		
Shock absorbers			Cylindrical, double-acting			
	Identification mark color		Purple	Orange		
	Wire diameter	mm (in)	10.1 (0.40)	10.3 (0.41)		
Coil springs	Coil diameter	mm (in)	84.4 (3.32)	84.2 (3.31)		
	Free length	mm (in)	385.0 (15.16	372.5 (14.67)		
	Coil number		9.62	9.43		
Rear wheel align- ment (*Unladen)	mm (in)		$3 \pm 3 (0.12 \pm 0.12)$			
	Total toe-in	degree		0°18' ± 18'		
	Camber angle	<u> </u>	<u> </u>	-0°44' ± 30'		

^{*}Fuel tank full; radiator coolant and engine oil at specified level, and spare tire, jack, and tools in designated position

T. BODY ELECTRICAL SYSTEM

	Item	Specification (W) (BULB TRADE NO.)				
-	Headlight (Halogen)	65/35 (HP6054, H6054)				
Front exterior	Turn signal/Parking light	27/8 (1157)				
lights	Front fog light (For U.S.A.)	55				
ng/its	Daytime running light (For Canada)	55				
	Side marker light	3.8 (194)				
	Back-up light	27 (1156)				
	License plate light	7.5 (89)				
Rear exterior lights	Stop/Tail light	27/8 (1157)				
near exterior lights	High mounted stop light	27 (1156)				
	Turn signal light	27 (1156)				
	Side marker light	3.8 (194)				

Item		Specification (W) and Bulb trade number				
	Interior light	10				
Interior lights	Glove compartment light Courtesy light	3.4 (158)				
	Luggage compartment light Map light	5				
Warning lights	Overheat exhaust system Add coolant Washer level Alternator Front doors Engine oil level Check Brake Anti-lock Seat belt Rear glass hatch Cooling fan Fuel	1.4				
	Shift up Hazard High beam	3.4 (158)				
Indicator	Turn signal Security light	3.4				
	Cooling fan (In meter unit) Main Cruise O/D OFF	1.4				
Illumination lights	Automatic selector Cigarette lighter	3.4 (158)				
	Door key	1.4				
	Ignition key Meter	3.4				

U. HEATING AND AIR CONDITIONING SYSTEMS

Item		Specifications				
Refrigerant amount		800 g (28.2 oz)				
Compressor oil amount on (su in)	Nippondenso compressor	60—100 (3.7—6.1)				
Compressor oil amount cc (cu in)	Sanden compressor	135 (8.2)				
Refrigerant normal pressure at 25°		Low pressure: 98—167 (1.0—1.7, 14—24)				
	kPa (kg/cm², psi)	High pressure: 1,030—1,324 (10.5—13.5, 149—192)				

STANDARD BOLT AND NUT TIGHTENING TORQUE

Diameter Pitch		4T			6T			8T		
mm (in)	mm (in)	N-m	m-kg	ft-lb	N·m	m-kg	ft-lb	N·m	m-kg	ft-lb
6 (0.236)	1 (0.039)	4.2-6.2	0.43-0.63	3.1-4.6	6.9-9.8	0.7—1.0	5.0—7.2	7.8—11.8	0.8—1.2	5.8—8.8
8 (0.315)	1.25 (0.049)	9.8—14.7	1.0—1.5	7.2—10.8	1623	1.6-2.3	1217	1826	1.8—2.7	1320
10 (0.394)	1.25 (0.049)	2028	2.0—2.9	14—21	31—46	3.2-4.1	23—34	36—54	3.7—5.5	27—40
12 (0.472)	1.5 (0.059)	34—50	3.5—5.1	25—37	55—80	5.6-8.2	4159	63—93	6.4—9.5	46—69
14 (0.551)	1.5 (0.059)	_	-		75—103	7.7—10.5	56—76	102—137	10—14	75—101
16 (0.630)	1.5 (0.059)		_		116—157	12—16	85—116	156—211	16—22	115—156
18 (0.709)	1.5 (0.059)	_		_	167—225	17—23	123—166	221—299	23—31	163—221
20 (0.787)	1.5 (0.059)	_	_	_	231—314	24—32	171—231	308—417	31—43	227—307
22 (0.866)	1.5 (0.059)	_	_		314—423	3243	231312	417—564	43—58	307-416
24 (0.945)	1.5 (0.059)	_	-		475—546	41—56	298—403	536—726	55—74	396—536