



TRE 4X4

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LOCKING DIFFERENTIAL

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TRE AIR LOCKER

**INTERNATIONAL VEHICLE
APPLICATION GUIDE**

AIR OPERATED LOCKING DIFFERENTIALS

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This listing covers most Known International applications but is not a complete list of all possible applications globally.

For applications not specifically referred to in this listing, please contact TRE or your local TRE stockist.

Model years and names may vary greatly depending on point of sale. Use axle shaft spline count and / or ring & pinion ratio to distinguish between similar models where possible.

Chevrolet or GMC or Hummer

Vehicle/Mode	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
10/1500 Series, C, G, K, P, Blazer, Jimmy, Yukon, Suburban ¹ , Vans	Front	To 1980	Dana M44, 3600lb	33.3 (1.31")	30	3.92 & UP	TR116
						3.73 & DN	TR117
30/3500 Series, C, K, G, P, RV, Pickup, Suburban ¹ , Rally, Sportvan 2500HD	Front	1977-90	Dana 60HD	38.1 (1.50")	35	4.56 & UP	TR166
						4.10 & DN	TR167
Sportvan 2500HD	Rear	1975-86	Dana 60HD, full floating	38.1 (1.50")	35	4.56 & UP	TR166
						4.10 & DN	TR167
20/2500 Series, C, G, K,P, Cab Chassis, Pickup,SportVan Suburban ¹ , Rally,	Front	To 1980	Dana 44	33.3 (1.31")	30	3.92 & UP	TR116
						3.73 & DN	TR117
	Rear	1975-77	Dana 60HD	38.1 (1.50")	35	4.56 & UP	TR166
						4.10 & DN	TR167
To 1974	Dana 60	33.3(1.31")	30	4.56 & UP	TR162		
				4.10 & DN	TR163		

¹ Suburban kept 10 bolt front and rear ends until 1991. Keep in mind spline change in 1989.

Chrysler or Jeep

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
CJ(5, 6, 7 & 8), YJ & TJ Wrangler, XJ Cherokee XJ Wagoneer, ZJ, WJ,Grand Cherokee ³	Front	1971 on	Dana 30	29.5(1.16")	27	3.73 & UP	TR100 ^{2,5}
						3.54 & DN	TR101 ²
		2003 on	TJ WranglerRubicon w/OEM 4.10:1 gears	33.3(1.31")	30	4.10:1	TR117 ⁵
	Rear	1993-2004	Dana 44A,ZJ C-Clip;WJ non C-Clip	33.3(1.31")	30	All	TR226 ²
		2003 on	TJ WranglerRubicon w/OEM 4.10:1 gears	33.3(1.31")	30	4.10:1	TR117 ⁵
		1990on	Dana35 ¹ C-clip,XJ,YJ,ZJ,TJ,WJ	29.5(1.16")	27	2.73-3.31	TR103 ⁴
						3.54&UP	TR102 ^{4,5}
		1997-00	Chrysler 8.25" dia. RG, C-clip	30.7(1.21")	29	ALL	TR93
		To-1996	Chrysler 8.25" dia. RG, C-clip	29.5(1.16")	27	ALL	N/A ³
		1997 on	Dana 44, TJ model only	33.3(1.31")	30	3.92 & UP	TR116 ^{4,5}
						3.73 & DN	TR117 ^{4,5}
		1985-89	Dana35 ¹ ,non C-clip	29.5(1.16")	27	3.54&UP	TR102 ⁵
						2.73-3.31	TR103
		1987-89	Dana44, Commanche truck	33.3(1.31")	30	3.92 & UP	TR116 ⁵
					3.73 & DN	TR117 ⁵	
1986-91	Dana 44, XJ w/ metric ton package	33.3(1.31")	30	3.92 & UP	TR116 ⁵		
				3.73 & DN	TR117 ⁵		
1969-75,86	Dana 44-3R	33.3(1.31")	30	3.92 & UP	TR116 ⁵		
				3.73 & DN	TR117 ⁵		
Full size AMC Cherokee, Grand Wagoneer	Front	1974-93	Dana M44-1F	33.3(1.31")	30	3.92 & UP	TR116 ⁵
						3.73 & DN	TR117 ⁵
		1971- 73	Dana 30	29.5(1 16")	27	3.73 & UP	TR100 ⁵
						3.54 & DN	TR101
	Rear	1986-93	Dana 44	33.3(1.31")	30	3.92 & UP	TR116 ⁵
						3.73 & DN	TR117 ⁵
	1969-79	Dana M44-3R	33.3(1.31")	30	3.92 & UP	TR116 ⁵	
					3.73 & DN	TR117 ⁵	

J10, Light Truck, FC150, 170, Honcho	Front	1971-88	Dana M44-1F	33.3 (1.31")	30	3.92 & UP	TR116 ⁵
						3.73 & DN	TR117 ⁵
	Rear	1970-88	Dana M44-R	33.3 (1.31")	30	3.92 & UP	TR116 ⁵
						3.73 & DN	TR117 ⁵
J20, Medium Truck, J30, Heavy Truck	Front	1970-88	Dana M44-1F	33.3 (1.31")	30	3.92 & UP	TR116 ⁵
						3.73 & DN	TR117 ⁵
	Rear	1974-88	Dana M60-3R	33.3 (1.31")	30	4.56 & UP	TR162
						4.10&DN	TR163
	1969-73	Dana M60-2R	38.1 (1.50")	35	4.56 & UP	TR166	
					4.10&DN	TR167	
JK Jeep Wrangler (not Rubicon Models)	Front	2007 on	Dana 30	29.5 (1.16")	27	3.73 & UP	TR100 ⁵
						3.54 & DN	TR101
	Rear	2007 on	Dana 44	33.3 (1.31")	30	All	TR117 ^{4,5}
KJ, KK, Jeep Liberty, Cherokee	Front	2001 on	Dana 30 IFS	29.5 (1.16")	27	3.73 & UP	TR100 ⁵
						3.54 & DN	TR101
	Rear	2001 on	Chrysler 8.25" dia. RG, C-clip	30.7(1.21")	29	All	TR93 ⁴
WK/WH Grand Cherokee, XK/XH Commander	Rear	2005-10	Chrysler 8.25" dia. RG, non-C-Clip	30.7(1.21")	29	All	TR93 ^{4,6}
		2005-10	Dana 44A (WK/WH:SRT8 only; XK/XH:2WD only)	33.3(1.31")	30	All	TR226 ²

¹ The "C" in "Dana 35C" does not represent C-clip. They are manufactured in both C-clip and non C-clip models.

Air Locker model TR102, TR103 suits both types of axles regardless.

² Quadradrive traction control vehicles require non-Quadradrive axle shaft replacements for Air Locker installation.

³ Pre-1997 8.25" axle assemblies with 27 spline axle shafts will accept newer 29 spline shafts if TR93 is fitted.

⁴ Newer OEM Dana 35, Dana 44 & Chrysler 8.25" ring gears may have 3/8", 7/16", or 1/2" ring gear bolts.

Air Locker flange holes must be drilled or reamed larger to suit 7/16" or 1/2" bolts.

⁵ See performance section of this guide for non-standard upgrade model(s) available for this application.

⁶ Does not suit Quadra-Drive ELSD equipped vehicles.

Dodge

Vehicle/Mode	Axle Loc'n	Year	Description	Shaft	Shaft	Ratio	TRE		
				Diameter	Spline		Part No		
100, 150, 200, 250, A, B, D, W	Front	All	Dana 44, half ton truck	33.3 (1.31")	30	3.91 & UP	TR116 ^{2,3}		
						3.73 & DN	TR117 ^{2,3}		
		1975-93	Dana 60, three quarter ton truck	33.3 (1.31")	30	4.56 & UP	TR162		
						4.10 & DN	TR163		
	1988-95& 1971-82	Dana 60HD, three quarter ton truck	38.1 (1.50")	35	4.56 & UP	TR166			
					4.10 & DN	TR167			
	Rear	1983-93	Dana 60 ¹	33.3 (1.31")	30	3.54	TR163		
		1972-82	Dana 60	35.8 (1.41")	32	4.56&UP	TR164 ⁴		
						4.10&DN	TR165 ⁴		
				38.1 (1.50")	35	4.56 & UP	TR166 ⁴		
					4.10 & DN	TR167 ⁴			
			33.3 (1.31")	30	4.56 & UP	TR162 ⁴			
					4.10 & DN	TR163 ⁴			
Dakota V6, 1500or2500 Van	Rear	1997 on	Chrysler 8.25" dia. RG, C-clip	30.7 (1.21")	29	All	TR93		
300, 350, 400, B, C, M, W	Front	1976-95	Dana 60HD	38.1 (1.50")	35	4.56 & UP	TR166		
						4.10 & DN	TR167		
		1955 on	Dana 60	33.3 (1.31")	30	4.56 & UP	TR162		
						4.10 & DN	TR163		
RAM 1500	Front	1994-03	Dana 44	33.3 (1.31")	30	3.91 & UP	TR116 ^{2,3}		
						3.73 & DN	TR117 ^{2,3}		
RAM 2500, 3500	Front	1994-02	Dana 60	35.8(1.41")	32	4.56&UP	TR164 ⁴		
								4.10&DN	TR165 ⁴
		1994-2002	Dana 60	38.1 (1.50")	35	4.56 & UP	TR166 ⁴		
								4.10 & DN	TR167 ⁴
								33.3 (1.31")	30
					4.10 & DN	TR163 ⁴			

¹ 1988 and newer half ton petrol trucks may have either a Chrysler 9.25" or Dana 60. Check spline count.

² See performance section of this guide for non-standard upgrade model(s) available for this application.

³ Newer OEM Chrysler 8.25" and Dana 44 ring gears may have 3/8", 7/16" or 1/2" ring gear bolts. Air Locker flange holes must be drilled or reamed larger to suit 7/16" or 1/2" bolts.

⁴ Several axle shaft variants were used. Verify spline count prior to ordering.

Ford

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
Maverick	Front	All	H233B	32.0 (1.26")	31	All	TR136 ⁵
(Nissan Patrol GQ)	Rear	All	H233B		33	All	TR135
F100/150 Pickup, E100/150 Van (2WD),Bronco	Front ³	1983-96	Dana 44, C-clip	33.3 (1.31")	30	3.92 & UP	TR116 ^{1,4}
						3.73& DN	TR117 ^{1,4}
		To 1982	Dana 44	33.3 (1.31")	30	3.92 & UP	TR116 ⁴
						3.73& DN	TR117 ⁴
	Rear	1977-79	Dana 44	33.3(1.31")	30	3.92 & UP	TR116 ⁴
						3.73& DN	TR117 ⁴
F250 Pickup, E250 Van (2WD)	Front ³	1983-96	Dana 44, C-clip	33.3(1.31")	30	3.92 & UP	TR116 ^{1,4}
						3.73& DN	TR117 ^{1,4}
		To 1983	Dana 44	33.3(1.31")	30	3.92 & UP	TR116 ⁴
						3.73& DN	TR117 ⁴
		2000 on	Dana 60, full floating	38.1 (1.50")	35	4.56 & UP	TR166 ²
						4.10 & DN	TR167 ²
	Rear	1975-84	Dana 60, full floating	33.3 (1.31")	30	4.56 & UP	TR162
						4.10 & DN	TR163
		1995-96	Dana 60, full floating	38.1 (1.50")	35	4.56 & UP	TR166
						4.10 & DN	TR167
		1981 on	Dana 60, semi floating (C-clip)	38.1 (1.50")	35	4.56 & UP	TR168
						4.10 & DN	TR169
F350 Pickup, E350 Van (2WD)	Front	1986 on	Dana 60	38.1 (1.50")	35	4.56 & UP	TR166
				38.1 (1.50")	35	ALL	TR167 ²
	Rear	2000-01	Dana 60 (dual rear wheel axle models	38.1 (1.50")	35	4.56 & UP	TR166
						4.10 & DN	TR167
		1988 on	Dana 60, full floating	38.1 (1.50")	35	4.56 & UP	TR166 ²
						4.10 & DN	TR167 ²
		1973-79	Dana 60, full floating	33.3 (1.31")	30	4.56 & UP	TR162
						4.10 & DN	TR163

F450/550 Pickup, Super Duty Van (2WD), E/F350 Dually	Front	1997 on	Dana 60	38.1 (1.50")	35	4.56 & UP 4.10 & DN	TR166 TR167
Explorer,Ranger(US), Aerostar (2WD)	Front	1990-97	Dana35(V6 only)	29.5(1.16")	27	3.54&UP 2.73-3.31	TR102 ^{1,4} TR103
Courier,Ranger(Thai)	Rear	2006-11	Dana 44,32 spline	35.8(1.41")	32	ALL	TR143

- ¹ The C-clip used in the OE differential cannot be used in the Air Locker. Refer to installation guide or Air Locker Service & Parts
- ² Reverse rotation Dana 60 front ends with aftermarket ring & pinion sets all use TR167 regardless of the gear ratio.
- ³ Dana 44's, 50's, 60's and Ford 8.8's were all found in these vehicles. Use housing markings and axle splines to identify.
- ⁴ See performance section of this guide for non-standard upgrade model(s) available for this application.
- ⁵ Floating thrust block(s) are included but should ONLY be installed on semi-floating axle assemblies.

Holden

Vehicle/ Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
Holden Jackaroo	Front	1988 on	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 ¹
	Rear	1987-91	Turbo diesel&V6 petrol only	33.5(1.32")	26	All	TR213
		1993-97	All models	33.5(1.32")	26	All	TR213
Holden Rodeo/Colorado Colorado 7/Trailblazer	Front	1988 on	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 ¹
	Rear	1987-91	4*4 diesel &4*2diesel models	33.5(1.32")	26	All	TR213
		1993 on	All models including 4*2	33.5(1.32")	26	All	TR213 ³
		2012 on	AAM 860 (8.6")	33.3 (1.31")	30	All	NA
Holden Frontera /Sport	Front	1990 on	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 ¹
	Rear	1999 on	Dana 44	33.3(1.31")	30	4.56&UP	TR117 ^{2,4}
						4.13&DN	TR117 ⁴

¹ Some builds between December 1996 and May 1998 used an unidentified 3rd member and carrier with a different ring gear bolt pattern. A 3rd member with the same ratio may be swapped from earlier or later models for Air Locker installation.

² Aftermarket Dana 44 ring and pinion ratios of 4.56 & up will require TR116 instead.

³ 2003 on models may require thrust block removal or axle shaft shortening.

⁴ See performance section of this guide for non-standard upgrade model(s) available for this application.

Hyundai

Vehicle/ Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
Terracan	Front	2001on	All models	28.8(1.13")	28	ALL	TR110 ¹
	Rear	2001on	All models	34.8(1.37")	34	ALL	TR156
Galopper/Galopper II	Front		All models	28.8(1.13")	28	ALL	TR110 ¹
	Rear		8.00" 10 bolt RG2 ²	30.5(1.20")	28	ALL	TR210(TR05)
			9.00" 12 bolt RG3 ³	30.5(1.20")	28	ALL	TR212(TR46)

¹ Air Locker fitment requires larger ring gear bolt holes. Reaming from Ø10.2mm to 12.2mm [31/64"] is required.

² 8" differential has a crown wheel inside diameter of 124mm.

³ 9" differential has a crown wheel inside diameter of 145mm.

ISUZU

Vehicle/ Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
Isuzu Trooper	Front	1988 on	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 ¹
	Rear	1987-91	Turbo diesel&V6 petrol only	33.5(1.32")	26	All	TR213
		1993-97	All models	33.5(1.32")	26	All	TR213
Isuzu Pickup, D-Max	Front	1988 on	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 ¹
Opel Campo, MUX	Rear	1987-91	4*4 diesel &4*2diesel models	33.5(1.32")	26	All	TR213
		1993 on	All models including 4*2	33.5(1.32")	26	All	TR213 ³
Isuzu Rodeo/Sport, Isuzu Amigo,MU	Front	1990 on	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 ¹
	Rear	1999 on	Dana 44	33.3(1.31")	30	4.56&UP	TR117 ^{2,4}
4.13&DN						TR117 ⁴	
Isuzu Axiom, Honda Passport	Front	2001 on	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 ¹
	Rear	2001 on	Dana 44	33.3(1.31")	30	4.56&UP	TR117 ^{2,4}
4.13&DN						TR117 ⁴	

¹ Some builds between December 1996 and May 1998 used an unidentified 3rd member and carrier with a different ring gear bolt pattern. A 3rd member with the same ratio may be swapped from earlier or later models for Air Locker installation.

² Aftermarket Dana 44 ring and pinion ratios of 4.56 & up will require TR116 instead.

³ 2003 on models may require thrust block removal or axle shaft shortening.

⁴ See performance section of this guide for non-standard upgrade model(s) available for this application.

KIA

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
Borrego	Rear	ALL				ALL	TR306

Land Rover

Vehicle / Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
Range Rover	Front	To 1993	Rover type	28.2(1.11")	10	3.54	TR127 ^{1,4}
		1993-96	Rover type	31.5 (1.24")	24	3.54	TR128 ^{1,5}
		1994-01	Rover type,P38A	31.5 (1.24")	24	3.54	TR138 ⁵
	Rear	To 1993	Rover type	28.2(1.11")	10	3.54	TR127 ^{1,4}
		1993-96	Rover type	31.5 (1.24")	24	3.54	TR128 ^{1,5}
		1994-01	Rover type,P38A	31.5 (1.24")	24	3.54	TR138
Discovery	Front	To 1993	Rover type	28.2(1.11")	10	3.54	TR127 ¹
		1993-98	Rover type	31.5 (1.24")	24	3.54	TR128 ^{1,5}
	Rear	To 1993	Rover type	28.2(1.11")	10	3.54	TR127 ¹
		1993-98	Rover type	31.5 (1.24")	24	3.54	TR128 ^{1,5}
Discovery Series II	Front	All	Rover type	31.5 (1.24")	24	3.54	TR128 ¹
	Rear	All	Rover type	31.5 (1.24")	24	3.54	TR128 ⁶
		2002 on	Rover type,P38A	31.5 (1.24")	24	3.54	TR138 ⁶
Discovery Series III/IV,	Front	2004 on	IFS, 29 Spline, clamshell type	31.5 (1.24")	29	All	TR217
Range Rover Sport	Rear	2004-09	IFS, 31 Spline, clamshell type Disco 3 only	33.6 (1.32")	31	All	TR218
Defender 110, 130, County	Front	1983-93	Rover type	28.2(1.11")	10	3.54	TR127 ¹
		1993 on	Rover type	31.5 (1.24")	24	3.54	TR128 ^{1,5}
	Rear	2002 on	Rover type	31.5 (1.24")	24	3.54	TR128 ⁶
			Rover type,P38A	31.5 (1.24")	24	3.54	TR138 ⁶
		1983-02	Salisbury type	31.5 (1.24")	24	3.54	TR161
LWB models V8engine	Front	1979-83	Rover type	28.2(1.11")	10	3.54	TR127
		1979-83	Salisbury type	31.5 (1.24")	24	3.54	TR161
	Rear	1979-83	Salisbury type	31.5 (1.24")	24	3.54	TR161

Defender 90, County	Front	1984-93	Rover type	28.2(1.11")	10	3.54	TR127 ¹	
		1993 on	Rover type	31.5 (1.24")	24	3.54	TR128 ^{1,5}	
	Rear ²	1983-93	Rover type	28.2(1.11")	10	3.54	TR127 ¹	
			4 cyl.petrol & diesel engine					
		1993 on	Rover type	31.5 (1.24")	24	3.54	TR128 ^{1,6}	
	2002 on	Rover type,P38A	31.5 (1.24")	24	3.54	TR138		
Series III, Series II, Series I	Front	1948-85	Rover type	28.2(1.11")	10	4.7	TR127 ^{2,3}	
1948-85		Salisbury type	31.5 (1.24")	24	4.7	TR160		
	Rear	1948-85	Rover type	28.2(1.11")	10	4.7	TR127 ^{2,3}	
		1948-85	Salisbury type	31.5 (1.24")	24	4.7	TR160	

¹ If vehicle was manufactured during 1993, check spline count.

² Air Locker not available for vehicles equipped with high load option.

³ When an TR127 Air Locker is to be installed in Range Rovers manufactured prior to 1980 (approx.), special carrier bearings (No. K11300/K11162) may also be necessary - Land Rover part no. RTC3426.

⁴ See performance section of this guide for non-standard upgrade model(s) available for this application.

⁵ Some vehicles have crown wheel bolts which cannot be reused and must be replaced. Consult service manual.

⁶ P38A is most commonly found in traction control equipped vehicles. Identify P38A type diff by large 205mm [8.07"] flange diameter.

Mazda

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
Navajo(US)	Front	1990-94	Dana35	29.5(1.16")	27	3.54&UP	TR102 ¹
						2.73-3.31	TR103
B4000,Pickup(US)	Front	1993-94	Dana35	29.5(1.16")	27	3.54&UP	TR102 ¹
						2.73-3.31	TR103
BT-50(Thai)	Rear	2006-11	Dana 44,32 spline	35.8(1.41")	32	ALL	TR143

¹ See performance section of this guide for non-standard upgrade model(s) available for this application.

Mahindra

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.			
Thar, Scorpio, Tata Safari, Xenon & Sumo.	Front	ALL			10	3.73 & UP	TRIM-01			
						3.54 & DN	TRIM-02			
						27	3.73 & UP	TRIM-03		
							3.54 & DN	TRIM-04		
	Rear	ALL	10 BOLT			10	3.92 & UP	TRIM-10		
								3.73 & DN	TRIM-11	
								30	3.92 & UP	TRIM-16
									3.73 & DN	TRIM-17
Jeeps & Boleros	Front	ALL			10	3.73 & UP	TRIM-01			
							3.54 & DN	TRIM-02		
							27	3.73 & UP	TRIM-03	
								3.54 & DN	TRIM-04	
	Rear	ALL	10 BOLT			10	3.92 & UP	TRIM-10		
								3.73 & DN	TRIM-11	
								19	3.92 & UP	TRIM-12
									3.73 & DN	TRIM-13

Mitsubishi

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.	
Montero, Raider, Pajero Delica(van), Shogun	Front	1989on	IFS,28 spline,8.00"RG	28.8(1.13")	28	ALL	TR110 ⁴	
		1984-97	IFS,25 spline,7.25"RG					
	Rear	1987-95	9.00" 12 bolt RG ²	30.5 (1.20")	28	ALL	TR212 ³	
		1983-86	8.00" 10 bolt RG ¹	30.5 (1.20")	28	ALL	TR210(TR05)	
		1993-00	3.5L&2.8TDI,NJ,NK,NL,9.5" RG, live axle	33.6(1.32")	31	ALL	TR154	
2000 on	NM,NP,NS,NT 9.5"RG,IRS	33.6(1.32")	33	ALL	TR155			
Pajero /Montero iO, Pinin,Shogun	Rear	ALL	8.00" 10 bolt RG ¹	30.5 (1.20")	28	ALL	TR210(TR05)	
Challenger Montero Sport Pajero Sport	Front	ALL	IFS,28 spline	28.8(1.13")	28	ALL	TR110	
	Rear	To 2008	3.0L petrol 2.5L diesel, 9.00" RG	30.5 (1.20")	28	ALL	TR212(TR46)	
		ALL	3.5L, 9.50"RG	33.6(1.32")	31	ALL	TR154	
		2008 on	2.5L, 9.50"RG	33.6(1.32")	31	ALL	TR154	
		2016 on	2.4L, 9.50"RG	33.6(1.32")	31	ALL	TR154	
Triton, Pickup,L200	Front	ALL	IFS,28 spline,8.00"RG	28.8(1.13")	28	ALL	TR110 ⁴	
		ALL	IFS,25 spline.7.25"RG					25
	Rear	ALL	9.00" RG	30.5 (1.20")	28	ALL	TR212(TR46)	
		2002 on	9.50" RG	33.6(1.32")	31	ALL	TR154	
Jeep J44 ,J50, J55	Front	ALL	8 BOLT		10	3.73 & UP	TRIM-01	
						3.54 & DN	TRIM-02	
	Rear	ALL	10 BOLT			10	3.92 & UP	TRIM-10
							3.73 & DN	TRIM-11
							3.92 & UP	TRIM-12
							3.73 & DN	TRIM-13

¹ Small differential has a crown wheel inside diameter of 124mm.

² Large differential has a crown wheel inside diameter of 145mm.

³ Will not fit 2.8L turbo diesel with intercooler or 3.5L petrol vehicles.

⁴ Some 28 spline axles have the smaller 7.25" RG and will not accept TR110.

Nissan

Vehicle/ Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
Navara , Terrano D21,D22	Front	1986-15	R180A,8bolt RG (4 cyl.)	27.8(1.09")	27	ALL	TR182
		1986-03	R200A,10bolt RG (6 cyl.)	30.4(1.20")	29	ALL	TR202 ³
	Rear	1986 on	H233B,31 spline, (6 cyl.)	32.0 (1.26")	31	ALL	TR136 ^{2,3,4}
			H233B,33 spline, 6 cyl	33.3 (1.31")	33	ALL	TR135 ^{2,4}
		1986-97	C200,29 spline,(4 cyl)	30.4(1.20")	29	ALL	TR202 ^{1,2,3}
2002on	C200,31 spline	32.0(1.26")	31	ALL	TR201 ^{2,4}		
Navara, NP300, D23	Rear	2015on	All	34.8(1.37")	34	ALL	TR229
Navara D40	Front	2005on	R180A,10 bolt RG	27.8(1.09")	27	3.69&UP	TR180
			R180A,10 bolt RG	27.8(1.09")	27	3.54&DN	TR181
Frontier D40, Xterra N50	Front	2005on	R180A,10 bolt RG	27.8(1.09")	27	3.69&UP	TR180
			R180A,10 bolt RG	27.8(1.09")	27	3.54&DN	TR181
Pathfinder WD21,R50	Front	1986-05	R180A,4 cyl	27.8(1.09")	27	ALL	TR182
			R200A,6 cyl	30.4(1.20")	29	ALL	TR202 ³
	Rear	1986-05	H233B,31 spline, (6 cyl)	32.0 (1.26")	31	ALL	TR136 ^{2,3,4}
			H233B,33 spline, (6 cyl)	33.3 (1.31")	33	ALL	TR135 ^{2,3,4}
1986-97	C200,29 spline,(4 cyl)	30.4(1.20")	29	ALL	TR202 ^{1,2,3}		
Pathfinder R51	Front	2005on	R180A,10 bolt RG	27.8(1.09")	27	3.69&UP	TR180
			R180A,10 bolt RG	27.8(1.09")	27	3.54&DN	TR181
Y62, Patrol, Infinity QX55	Rear	2010 on	R248, 34 spline, IRS	34.8(1.37")	34	ALL	TR195 ²
Y61, Patrol GU	Front	1998 on	H233B	32.0 (1.26")	31	ALL	TR136 ^{3,4}
			H233B 'small'	33.3 (1.31")	33	ALL	TR135 ^{2,4}
	Rear	1998 on	H260 'large', 37 spline	38.4 (1.51")	37	ALL	TR215 ²
			H260 'large', 34 spline,full-floating	34.8 (1.37")	34	ALL	TR214 ²
Y60, Patrol GQ	Front	1988-98	H233B,31 SPL	32.0 (1.26")	31	ALL	TR136 ^{3,4}
			H233B,33 SPL	33.3 (1.31")	33	ALL	TR135 ^{2,4}
	Rear	1988-98	H260, leaf sprung cab chassis&utility	38.4 (1.51")	37	ALL	TR215

160,Patrol MQ	Front	1979-88	C200	30.4(1.20")	29 ALL	TR202 ³
	Rear	1979-88	C200	30.4(1.20")	29 ALL	TR202 ³
		1979-88	H233	32.0(1.26")	31 ALL	TR134
		1979-88	H260	38.4 (1.51")	37 ALL	TR215
Terrano II Wagon	Rear	1997 on	H233B	32.0 (1.26")	31 ALL	TR136 ^{2,3,4}
		2003on	H233B	33.3 (1.31")	33 ALL	TR135 ^{2,4}

¹ Only suitable for differentials with 12mm crown wheel bolts.

² Refer to dealer or check spline count to determine axle type.

³ Floating thrust block(s) are included but should ONLY be installed on semi-floating axle assemblies. Refer to installation guide. .

⁴ TR134, TR135 & TR136 require the higher rated 50mm ID carrier bearing (Timken #32010X - TRE #160116).

Santana

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
Anibal ,PS10	Front		All models (Land rover type)		10	ALL	TR127 ¹
PS300	Front		10 bolt RG (Suzuki Vitara type)	27.4 (1.08")	26	ALL	TR208
PS350	Front		10 bolt RG (Suzuki Vitara type)	27.4 (1.08")	26	ALL	TR208 ²

¹ Requires ring gear spacer (TRE part # TR03A) ordered separately.

² Requires 10 bolt TR208 conversion using PS300 front third member assembly of same ratio.

SsangYong

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
Musso/Rexton	Rear	1996 on	Dana 44, manual	33.3 (1.31")	30	4.55	TR116 ¹
/Korando		1996 on	Dana 44, automatic	33.3 (1.31")	30	3.73	TR117 ¹

¹ See performance section of this guide for non-standard upgrade model(s) available for this application.

Suzuki

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
Sierra/Samurai/ Jimny	Front	2003on	Jimny model with 10 bolt RG	23.9(0.94")	22	ALL	TR206
		1998-03	Jimny model with 8 bolt RG	23.9(0.94")	22	ALL	TR207 ²
Holden Drover		1984-98	Leaf spring suspension	23.9(0.94")	22	ALL	TR205
Maranti Gypsy	Rear	1984 on	1.3 litre models only	27.4(1.08")	26	ALL	TR208
Vitara/Sidekick	Front	1988-98	26 spline	27.4(1.08")	26	ALL	TR208
Grand Vitara, XL7			22 spline	23.9 (0.94")	22	ALL	TR205
	Rear	1988-93	Suzuki 10 bolt RG	27.4(1.08")	26	ALL	TR204 ¹
		1993-00	Suzuki 12 bolt RG(excl. Grand Vitara)	27.4(1.08")	26	ALL	TR209 ¹
Jimny (Japan only) (JA11, JA12)	Front	1990-95	JA11,660cc turbocharged engines ONLY	23.9 (0.94")	22	ALL	TR207 ²
	Rear	1990-98	JA11&JA12, 660cc turbocharged engines	27.4(1.08")	26	ALL	TR208

¹ Note that in some (Asian) countries, the Dana 30 salisbury type axle was used from 1993 on. See TR100 & TR101.

² See performance section of this guide for non-standard upgrade model(s) available for this application.

Toyota / Lexus

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
LandCruiser J200 Series, Lexus LX570	Front	2007 on	All models	34.8(1.37")	34	All	TR151
		2016on	USA 200 series with 8 speed Auto	34.8(1.37")	34	3.307	NA
	Rear	2007 on	All models	34.8(1.37")	32	All	TR152
LandCruiser 71, 76 78, 79, 100 & 105 Series	Front	1998 on	8 dia. RG, IFS, 50mm bearing ID	33 (1.31")	30	All	TR131
		1998 on	Live axle suspension	33 (1.31")	30	All	TR132
Lexus LX470	Rear	1998 on	All models	34.8(1.37")	32	All	TR152
LandCruiser Prado, 90, 120 and 150 series, Lexus GX	Front	1996-03	7.5" dia. RG, 10 bolt, IFS	28(1.1")	27	All	TR90
		2003on	8" dia . RG, IFS clamshell, 53mm BRNG	33 (1.31")	30	3.91&UP 3.73&DN	TR111 ³ TR121 ³
	Rear	1996 on	8" dia. RG, 10 bolt	33 (1.31")	30	All	TR132
		2009 on	8.25" dia. RG, 12 bolt (shimmed)	33 (1.31")	30	All	TR193
LandCruiser 40, 55, 60, 62, 70, 73, 74, 75, & 80 Series, Lexus LX450	Front	To 1989	12 bolt, full floating	33 (1.31")	30	All	TR142 ¹
		1990-97	10 bolt, full floating	33 (1.31")	30	All	TR132
	Rear	1969-76	12 bolt, semi floating, 45mm bearing ID	33 (1.31")	30	All	TR153 ¹
		1977-89	12 bolt, full floating, 45mm bearing ID	33 (1.31")	30	All	TR142 ¹
		1990-97	12 bolt, full floating, 50mm bearing ID	33 (1.31")	30	All	TR142
		1977-92	12 bolt, semi floating , 50mm bearing ID	33 (1.31")	30	All	TR153
FJ40s made in South America	Rear		Dana 60	33 (1.31")	30	4.56&UP 4.10&DN	TR162 TR163
Bundera, LandCruiser II, LJ70, RJ70	Front	ALL	10 bolt	33(1.31")	30	ALL	TR132 ¹
	Rear	to 1985	10 bolt, 45mm bearing ID	33(1.31")	30	ALL	TR132 ¹
		1986 On	10 bolt, 50mm bearing ID	33(1.31")	30	ALL	TR132
4Runner, LN61, YN63	Front	ALL	10 bolt, live axle	33(1.31")	30	ALL	TR132 ¹
		To 2003	7.5" dia. RG, 10 bolt, IFS	28(1.1")	27	ALL	TR90
		2003 on	8" dia. RG IFS clamshell, 53mm BRNG	33(1.31")	30	3.91&UP 3.73&DN	TR111 ³ TR121 ³
	Rear	1984-88	4 cylinder, 45mm bearing ID	33(1.31")	30	ALL	TR132 ¹

		1988-10	V6,4WD,50mm bearing ID	33(1.31")	30 ALL	TR132	
		1988-10	V6,2WD,45mm bearing ID	33(1.31")	30 ALL	TR132 ¹	
		2010 on	8.25" dia. RG, 12 bolt (shimmed)	33 (1.31")	30 ALL	TR193	
T100,Tacoma	Front	2005 on	8" dia. RG IFS clamshell, 53mm	33 (1.31")	30 3.91&UP	TR111 ³	
			BRNG			3.73&DN	TR121 ³
		To 2004	7.5"dia.RG,10bolt,IFS	28(1.1")	27 ALL	TR90	
	Rear	To 2015	8.4" dia. RG, 12 bolt	33 (1.31")	30 ALL	TR129	
			2016 on	8.0"dia RG, all autos excl, OE Locker Equipped	33 (1.31")	30 ALL	TR132
Tundra	Front	To 2006	7.5"dia.RG,10bolt,IFS	28(1.1")	27 ALL	TR90	
		2007on	All models	34.8(1.37")	34 All	TR151	
	Rear	To 2006	8.4" dia. RG, 12 bolt	33 (1.31")	30 ALL	TR129	
		2007 on	10.5" dia. RG	36.8 (1.45")	36 All	TR146	
Sequoia	Front	To 2008	7.5"dia.RG,10bolt,IFS	28(1.1")	27 ALL	TR90	
		2007on	All models	34.8(1.37")	34 All	TR151	
	Rear	To 2007	8.4" dia. RG, 12 bolt live axle	33 (1.31")	30 ALL	TR129	
FJ Cruiser	Front	2005on	8" dia. RG, IFS clamshell,53mm	33 (1.31")	30 3.91&UP	TR111 ³	
			BRNG			3.73&DN	TR121 ³
	Rear	2006-09	8" non-factory locker model	33 (1.31")	30 All	TR132	
		2010 on	8.15" dia. RG, non-factory locker model	33 (1.31")	30 All	TR193	
HiLux, Pickup Hiace,Fortuner	Front	ALL	10 bolt, live axle	33(1.31")	30 ALL	TR132 ¹	
		To 2005	7.5"dia.RG,10bolt, IFS	28(1.1")	27 ALL	TR90	
		2005 on	8" dia. RG IFS clamshell, 53mm	33(1.31")	30 3.91&UP	TR111 ³	
			BRNG			3.73&DN	TR121 ³
	Rear	To-1988	4 cylinder, 45mm bearing ID	33(1.31")	30 ALL	TR132 ¹	
		1988- 05	All models, 50mm bearing ID	33(1.31")	30 ALL	TR132	
		2005-15	Adjuster nut models, 50 or 53mm	33(1.31")	30 ALL	TR132 ⁴	
bearing ID							

¹ Late model 50.00mm [1.969"] ID carrier bearings (e.g., from FJ/HJ80 model) must be used. This will also improve bearing life.

² Does not fit some 1986-1995 manual hub models with larger 33mm [1.30"] dia. 27 spline axle shafts.

³ Factory R&P may use either TR111 or TR121 depending on ratio. All known aftermarket R&P sets suit TR121.

⁴ Some models have 53mm bearing ID and require new carrier bearings (TRE# 160118 or Koyo #TR100802-2).

UAZ

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
UAZ-469	Rear				10		TR305

Air Compressors

Air Compressors						
Description	Voltage	Performance @ 0 Bar [0 PSI]			Duty Cycle 22°C [72°F]	TRE Part No.
		LPM	CFM	Amps		
On-Board Air Compressor Kit,High Output	12V	87.2	3.08	14.2	50%	CKMA12
On-Board Air Compressor Kit,High Output	24V	87.2	3.08	7.1	50%	CKMA24

Performance Applications

Performance Applications							
Description	Ratio	Notes	Spline	Shaft	Spline	Pressure	TRE
			Count	Diameter	type	Angle	Part No.
Dana 30	3.73 & UP		30	33.3 (1.31")	24/48 DP	30°	TR104
Dana 35	3.54 & Up	Suits C-clip or non-C-clip type shafts	30	33.3 (1.31")	24/48 DP	30°	TR105
Dana 44	3.73 & DN	Suits all ratios of some late model D44 (e.g. JK)	32	35.8 (1.41")	24/48 DP	37.5°	TR143
Dana 44	3.92 & UP		35	38.1 (1.50")	24/48 DP	30°	TR109
Dana 44	3.73 & DN	Suits all ratios of some late model D44 (e.g. JK)	35	38.1 (1.50")	24/48 DP	30°	TR147
Suzuki Jimny 26 SPL ALL			26	27.4 (1.08")	1 MOD	45°	TR227

NOTE: Performance application models do not suit any original equipment axle shafts.
 Custom shafts to suit your specific axle assembly must be obtained.
 Contact TRE for more information on performance upgrades available to suit your axle type.

APPLICATIONS BY PART NUMBER

TRE Part No.	Description	Splines	Ratio	Superseded Part #(s)
TR90	Toyota 7.5" IFS	27	All	
TR93	Chrysler 8.25",29 SPL	29	All	
TR95(TR164)	Dana 60,32 SPL,4.56 &UP	32	4.56 &UP	
TR96(TR165)	Dana 60,32 SPL,4.10 &DN	32	4.10 &DN	
TR100	Dana 30,27 SPL,3.73 & UP	27	3.73& UP	TR30
TR100-1	Roewe W5,27 SPL,3.73 & UP	27	3.73& UP	
TR101	Dana 30,27 SPL,3.54 & DN	27	3.54&DN	TR31
TR102	Dana 35,27 SPL,3.54 & UP	27	3.54& UP	TR49,TR59,TR69
TR103	Dana 35,27 SPL,3.31 & DN	27	3.31&DN	TR48,TR58,TR68
TR104	Dana 30,30SPL,3.73 & UP	30	3.73 & UP	
TR105	Dana 35,30 SPL,3.54 & UP	30	3.54 & UP	
TR107	Nissan C200/R200A,29 SPL	29	All	
TR109	Dana 44,35SPL,3.92& UP	35	3.92& UP	
TR110	Mitsubishi IFS,28 SPL	28	All	
TR111	Toyota 8" IFS,53mm BRNG	30	3.91 & UP	
TR116	Dana 44,30 SPL,3.92 & UP	30	3.92& UP	TR06
TR117	Dana 44,30 SPL,3.73 & DN	30	3.73&DN	TR07
TR117-1	Roewe W5,30 SPL,3.73 & DN	30	3.73&DN	
TR118(TR206)	Suzuki Jimny, FR,22 SPL,10 bolt RG	22	All	
TR119	FoTR 9",31 SPL	31	All	
TR121	Toyota 8" IFS,53mm BRNG	30	3.73&DN	
TR124(TR153)	Toyota 8.9",C-clip,50mm BRNG	30	All	
TR128	Land Rover,24 SPL,Banjo	24	All	TR56
TR129	Toyota Tacoma,RR	30	ALL	TR89
TR131	Toyota 8"IFS,50mm BRNG	30	All	TR92
TR132	Toyota 8",50mm BRNG	30	All	TR01,TR23
TR134	Nissan H233,31 SPL	31	All	TR04
TR135	Nissan H233B,33 SPL	33	All	TR17,TR24
TR136	Nissan H233B,31 SPL	31	All	TR09,TR78,TR78A
TR138	Land Rover,24 SPL,Banjo,P38A	24	All	TR57
TR142	Toyota 8.9",50mm BRNG	30	All	TR02,TR33
TR143	Dana 44,32SPL,3.73&DN	32	3.73&DN	

TR146	Toyota 10.5",36 SPL,RR	36	All	
TR147	Dana 44,35SPL,3.73&DN	35	3.73&DN	
TR152	Toyota 9.5",32SPL	32	All	
TR153	Toyota 8.9",C-clip,50mm BRNG	30	All	TR08,TR124
TR154	Mitsubishi 9.5",31 SPL,LIVE AXLE	31	All	
TR155	Mitsubishi 9.5",33 SPL,IRS	33	All	
TR156	Hyundai 9.5",34 SPL,LIVE AXLE	34	All	
TR160	Land Rover,Salisbury,4.70:1	24	4.7	TR32
TR161	Land Rover,Salisbury,3.54:1	24	3.54	TR20
TR162	Dana 60,30SPL,4.56&UP	30	4.56&UP	TR21
TR163	Dana 60,30SPL,4.10&DN	30	4.10&DN	TR22
TR164	Dana 60,32SPL,4.56&UP	32	4.56&UP	TR95
TR165	Dana 60,32SPL,4.10&DN	32	4.10&DN	TR96
TR166	Dana 60HD,35 SPL,4.56 & UP	35	4.56& UP	TR35
TR167	Dana 60HD,35 SPL,4.10 & DN	35	4.10&DN	TR36
TR168	Dana 60HD,C-clip,35 SPL,4.56 & UP	35	4.56& UP	TR42
TR169	Dana 60HD,C-clip,35 SPL,4.10 & DN	35	4.10&DN	TR43
TR180	R180A,27 SPL,10 bolt RG,3.69&UP	27	3.69&UP	
TR181	R180A,27 SPL,10 bolt RG,3.54*DN	27	3.54&DN	
TR182	R180A,27 SPL,8 bolt RG (D22 4 cyl)	27	All	
TR193	Toyota 8.25" RR,12 Bolt RG,shim adjusted	30	All	
TR195	Nissan Patrol Y62,RR	34	All	
TR201	Nissan C200,31 SPL	31	All	TR106
TR202	Nissan C200/R200A,29 SPL	29	All	TR27,TR107
TR203	Isuzu IFS,17 SPL	17	All	TR94
TR204	Suzuki Vitara,RR,26 SPL,10 bolt RG	26	All	TR74
TR205	Suzuki,FR,22 SPL,10 bolt RG	22	All	TR73,TR75
TR206	Suzuki Jimny,FR,22 SPL,10 bolt RG	22	All	TR118
TR207	Suzuki Jimny,FR,22 SPL,8 bolt RG	22	All	TR77,TR87
TR208	Suzuki,26 SPL,10 bolt RG	26	All	TR72,TR88
TR209	Suzuki Vitara,RR,26 SPL,12 bolt RG	26	All	TR79
TR210	Mitsubishi 8",RR,28 SPL	28	All	TR05
TR212	Mitsubishi 9",RR,28 SPL	28	All	TR46
TR213	Isuzu,RR,26 SPL	26	All	TR44

TR214	Nissan H260,34 SPL	34	All	TR144
TR215	Nissan h260,37 SPL	37	All	TR70,TR71
TR217	LR Discovery 3+4, FR, 29 SPL	29	All	
TR218	LR Discovery 3,RR,31 SPL	31	All	
TR226	Dana 44A (aluminium)	30	All	
TR227	Suzuki Jimny,FR,26 SPL,8 bolt RG	26	All	
TR229	Nissan D23, RR, 34 SPL	34	All	
TR305	UAZ-469	10	All	
TR306	KIA Borrego		All	

GENERAL NOTES:

'**TBD**' refers to information that is still yet 'To Be Determined' at the time this list was last updated.

'& **UP**' following the ratio means that the Air Locker is suitable for the stated ratio and those which are numerically higher.

'& **DN**' following the ratio means that the Air Locker is suitable for the stated ratio and those which are numerically lower.

'**RG**' refers to the 'Ring Gear' or 'crown wheel' of the vehicle.

'**dia RG**' refers to the outside diameter taken over the outside of the ring gear teeth.

'**SPL**' refers to the spline count of the axle shaft.

'**FR**' refers to front axle application.

'**IFS**' refers to independent front suspension.

'**RR**' refers to rear axle application.

'**BRNG**' refers to carrier bearing inside diameter.

'**LSD**' refers to vehicles originally equipped with a 'Limited Slip Differential'.

'**Year xxxx on**' refers to model years up to the revision date of this printing of the chart.

'**OE**' refers to the 'Original Equipment' the vehicle is fitted with at manufacture.



4X4 ACCESSORIES

ISSUED BY

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