TRE 4X4

AIR LOCKER
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
		1977-89	GM 10 bolt	30.5 (1.20")	28	2.73 & UP	TR221[2] (DE)
	Rear	1989 on	GM 10 bolt, 8.5" dia. RG, semi floating	33.3 (1.31")	30	2.73 & UP	TR222[2] (DE)
		1982-89	GM 10 bolt, 8.5" dia. RG, semi floating	30.5 (1.20")	28	2.73 & UP	TR221[2] (DE)
		1982 on	GM 14 bolt, 9.5" dia. RG, semi floating	34.8 (1.37")	33	All	TR197 (DE)
		To 1982	GM 12 bolt, 8.875" dia. RG, semi floating	33.3 (1.31")	30	3.73 & UP	TR216 (DE)
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
		1989-2010	GM IFS 9.25" dia. RG	34.8 (1.37")	33	All	TR197 (DE)
		2011 on	AAM 925 IFS	34.8 (1.37")	33	All	DE
	Rear	1975-86	Dana 60HD, full floating	38.1 (1.50")	35	4.56 & UP	TR166
						4.10 & DN	TR167
		1988 on	GM 14 bolt, 9.5" dia. RG, semi floating	34.8 (1.37")	33	All	TR197 (DE)
		1976 on	Dana 70HD[3,4]	38.1 (1.50")	35	4.56 & UP	TR172[6] (DE)
						4.10 & DN	TR173[6] (DE)
			Dana 70U	38.1 (1.50")	35	4.56 & UP	TR172[6] (DE)
						4.10 & DN	TR173[6] (DE)
		1973 on	GM 14 bolt, 10.5" dia RG, full floating	39.0 (1.56")	30	All[5]	TR114[8] (DE)
		2001 on	AAM 1150 (11.5")	39.0 (1.56")	30	All	TR139 (DE)
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
		1977-89	GM 10 bolt	30.5 (1.20")	28	2.73 & UP	TR221[2] (DE)
	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

		1982 on	GM 14 bolt, 9.5" dia. RG, 4800-5700lb	34.8 (1.37")	33	All	TR197 (DE)
		1980-93	GM 10 bolt, 8.5" dia. RG, semi floating	30.5 (1.20")	28	2.73 & UP	TR221[2] (DE)
		1973 on	GM 14 bolt, 10.5" dia. RG full floating	39.0 (1.56")	30	All[5]	TR114[8] (DE)
3500 HD	Rear	1992 on	Dana 80	38.1 (1.50")	35	4.10 & UP	TR172[6,7,9] (DE)
						3.73 & DN	TR173[6,7,9] (DE)
				40.6 (1.60")	37	4.10 & UP	TR174[6,7,9] (DE)
						3.73 & DN	TR175[6,7,9] (DE)
		1992 on	GM 14 bolt, 10.5" dia. RG full floating	39.0 (1.56")	30	All[5]	TR114[8] (DE)
		2001 on	AAM 1150 (11.5")	39.0 (1.56")	30	All	TR139 (DE)
Hummer H1	Front	1983 on	AMC Model 20, 8.875" dia. RG	31.8 (1.25")	29	2.73	TR187[4] (DE)
	Rear	1983 on	AMC Model 20, 8.875" dia. RG	31.8 (1.25")	29	2.73	TR187[4] (DE)
Hummer H2	Front	2003 on	GM IFS 9.25" dia. RG	34.8 (1.37")	33	All	TR197 (DE)
	Rear	2003 on	GM 14 bolt, 9.5" dia. RG, semi floating	34.8 (1.37")	33	All	TR197 (DE)
Hummer H3, Chevrolet Colorado/S10, GMC Canyon	Front	2006 on	AAM 760,IFS	30.5 (1.20")	28	All	TR148 (DE)
	Rear	2006 on	GM 10 bolt, 8.5" dia. RG, semi floating	33.3 (1.31")	30	2.73 & UP	TR222 (DE)

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

2 If vehicle was manufactured in 1989/90 check spline count to determine which model is needed.

3 Some 1988 and newer trucks use a unique Dana 70-3HD. Special fitment is required.

4 1999 and newer axle shafts may need .005" dia. removed for proper fit.

5 4.56 & UP ratios must use 'thick' type high offset gearset.

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

7 Air Locker flange holes must be drilled or reamed to suit 9/16" bolts for Dana 80 applications.

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

9 Consult your gear supplier to confirm proper application.

Chrysler or Jeep

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
CJ(5, 6, 7 & 8),	Front	1971 on	Dana 30	29.5(1.16")	27	3.73 & UP	TR100[2,5]
YJ & TJ Wrangler,						3.54 & DN	TR101[2]
XJ Cherokee,		2003 on	TJ WranglerRubicon w/OEM 4.10:1 gears	33.3(1.31")	30	4.10:1	TR117[5]
XJ Wagoneer,	Rear	1993-2004	Dana 44A,ZJ C-Clip;WJ non C-Clip	33.3(1.31")	30	All	TR226[2]
WJ Grand Cherokee[3],		2003 on	TJ WranglerRubicon w/OEM 4.10:1 gears	33.3(1.31")	30	4.10:1	TR117[5]
ZJ		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	TR112[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]
		1966-68	Dana 44-R	31.8(1.25")	19	3.92 & UP	DE
						3.73 & DN	DE
Full size AMC Cherokee,	Front	1974-93	Dana M44-1F	33.3(1.31")	30	3.92 & UP	TR116[5]
Grand Wagoneer						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]

		1980-86	AMC Model 20, 8.875" dia. RG	31.8 (1.25")	29	3.08 & UP	TR187[2] (DE)
						2.73 & DN	TR187 (DE)
		1966-69	Dana M44-R	31.8 (1.25")	19	3.92 & UP	DE
						3.73 & DN	DE
J10, Light Truck,	Front	1971-88	Dana M44-1F	33.3 (1.31")	30	3.92 & UP	TR116[5]
FC150, 170,						3.73 & DN	TR117[5]
Honcho	Rear	1970-88	Dana M44-R	33.3 (1.31")	30	3.92 & UP	TR116[5]
						3.73 & DN	TR117[5]
		1980-88	AMC Model 20, 8.875" dia. RG	31.8 (1.25")	29	3.08 & UP	TR186[7] (DE)
						2.73 & DN	TR187 (DE)
		1966-69	Dana M44-R	31.8 (1.25")	19	3.92 & UP	DE
						3.73 & DN	DE
J20, Medium Truck,	Front	1970-88	Dana M44-1F	33.3 (1.31")	30	3.92 & UP	TR116[5]
J30, Heavy Truck						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 Wrangler	Front	2007 on	Dana 30	29.5 (1.16")	27	3.73 & UP	TR100[5]
(not Rubicon Models)						3.54 & DN	TR101
	Rear	2007 on	Dana 44	33.3 (1.31")	30	All	TR117[4,5]
		2007	Dana 35	TBD	TBD	All	TBD (DE)
KJ, KK, Jeep Liberty,	Front	2001 on	Dana 30 IFS	29.5 (1.16")	27	3.73 & UP	TR100[5]
Cherokee						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,	Front	2005-10	TBD				DE
XK/XH Commander	Rear	2005-10	Chrysler8.25” dia. RG, non-C-Clip	30.7(1.21")	29	All	TR93[4,6]
		2005-10	Dana44A (WK/WH:SRT8 only; XK/XH:2WD only)	33.3(1.31")	30	All	TR226[2]
WK2/WH2 Grand Cherokee,	Front	2011 on	TBD				DE
	Rear	2011 on	TBD				DE
JK Wrangler Rubicon	Front	2007 on	replacement for 32 SPL Rock-Trac e-locker		All	All	TR157[8] (DE)
			(axle upgrade required - see note 7)		All	All	TR157[8] (DE)

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.

7 Air Locker model TR186 has a floating thrust block to suit vehicles with tapered axles.
The thrust block must not be used when swapping to full floating axles and some one-piece axle shaft conversions.

8 JK Rubicon's Rock-Trac system e-locker replacement requires upgrade to 35 spline axle shafts (sold separately).

Dodge

Vehicle/Mode	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
100, 150, 200, 250,	Front	All	Dana 44, half ton truck	33.3 (1.31")	30	3.91 & UP	TR116[2,3]
A, B, D, W						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	Dana 60HD, three quarter ton truck	38.1 (1.50")	35	4.56 & UP	TR166
		&1971-82				4.10 & DN	TR167
		1989-93	Dana 70, three quarter ton truck	35.8 (1.41")	32	4.56 & UP	TR170 (DE)
						4.10 & DN	TR171 (DE)
	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]
		1991-93	Dana 70, three quarter ton truck	35.8 (1.41")	32	4.56 & UP	TR170 (DE)
						4.10 & DN	TR171 (DE)
		1988-93	Dana 70U, three quarter ton truck	38.1 (1.50")	35	4.56 & UP	TR172[2] (DE)
						4.10 & DN	TR173[2] (DE)
	Front	1997 on	Dana 30 (non-standard)	29.5 (1.16")	27		DE
Dakota V6,	Rear	1997 on	Chrysler 8.25" dia. RG, C-clip	30.7 (1.21")	29	All	TR93
1500/2500 Van		to 1996	Chrysler 8.25" dia. RG, C-clip	29.5 (1.16")	27	All	DE[5]
300, 350, 400,	Front	1976-95	Dana 60HD	38.1 (1.50")	35	4.56 & UP	TR166
B, C, M, W						4.10 & DN	TR167
		1955 on	Dana 60	33.3 (1.31")	30	4.56 & UP	TR162
						4.10 & DN	TR163
		1971-74	Dana 70	35.8 (1.41")	32	4.56 & UP	TR170[2] (DE)
						4.10 & DN	TR171[2] (DE)
	Rear	1979-93	Dana 70HD	38.1 (1.50")	35	4.56 & UP	TR172[2] (DE)
						4.10 & DN	TR173[2] (DE)
		1971-93	Dana 70	35.8 (1.41")	32	4.56 & UP	TR170[2] (DE)
						4.10 & DN	TR171[2] (DE)
		1993	Dana 80	38.1 (1.50")	35	3.73 & DN	TR173[2,6] (DE)

				40.6 (1.60")	37	3.73 & DN	TR175[2,6] (DE)
RAM 1500	Front	1994-03	Dana 44	33.3 (1.31")	30	3.91 & UP	TR116[2,3]
						3.73 & DN	TR117[2,3]
	Rear	1994 on	Chrysler 9.25" dia. RG		31		DE
RAM 2500, 3500	Front	1994-02	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]
		2003 on	AAM 925 (9.25")	34.8 (1.37")	33	All	TR197[7] (DE)
	Rear	1994-02	Dana 70	35.8 (1.41")	32	4.56 & UP	TR170[2] (DE)
						4.10 & DN	TR171[2] (DE)
		1994-02	Dana 80	38.1 (1.50")	35	4.10 & UP	TR172[2,6,9] (DE)
						3.73 & DN	TR173[2,6,9] (DE)
			Dana 80	40.6 (1.60")	37	4.10 & UP	TR174[2,6,9] (DE)
						3.73 & DN	TR175[2,6,9] (DE)
		2003 on	AAM 1150 (11.5")	39.0 (1.56")	30	All	TR139[8] (DE)

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.

5 Pre-1997 8.25" axle assemblies with 27 spline axle shafts will accept newer, stronger 29 spline shafts if TR93 is used.

6 Air Locker flange holes must be drilled or reamed to suit 9/16" bolts for Dana 80 applications.

7 Due to gear variations with different year vehicles, a ring gear spacer (with longer bolts) may be required.
Contact your dealer for the required parts.
2003-06: Stock gears, no spacer required.
2003-06: Aftermarket gears will require a spacer.
2007 on: Will require a spacer.

8 2016 on dual rear wheel trucks MAY use a 16 bolt ring gear. The TR139 will not fit this application.

9 Consult your gear supplier to confirm proper application.

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,	Front[3]	1983-96	Dana 44, C-clip	33.3 (1.31")	30	3.92 & UP	TR116[1,4]
E100/150 Van (2WD),						3.73& DN	TR117[1,4]
Bronco		To 1982	Dana 44	33.3 (1.31")	30	3.92 & UP	TR116[4]
						3.73& DN	TR117[4]
		1997 on	Ford 8.8" dia. RG, IFS	30.5 (1.20")	28	All	TR82 (DE)
		2010 on	Ford 8.8" dia. RG, IFS (incl. Raptor)	33.5 (1.32")	31	All	TR81 (DE)
	Rear	1977-79	Dana 44	33.3(1.31")	30	3.92 & UP	TR116[4]
						3.73& DN	TR117[4]
		1976-86	Ford 9" dia. RG	33.5 (1.32")	31	All	TR119[4] (DE)
		To 1979	Ford 9" dia. RG, 28 spline	30.5 (1.20")	28	All	DE
		1997 on	Ford 9.75" dia. RG, C-clip	34.8 (1.37")	34	All	TR150 (DE)
		1983 on	Ford 8.8" dia. RG	33.5 (1.32")	31	All	TR81 (DE)
F250 Pickup,	Front[3]	1983-96	Dana 44, C-clip	33.3(1.31")	30	3.92 & UP	TR116[1,4]
E250 Van (2WD)						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]
		1997-98	Ford 8.8" dia. RG, 3750lb	33.5 (1.32")	31	All	TR81 (DE)
				30.5 (1.20")	28	All	TR82 (DE)
		1980-06	Dana 50,IFS w/ HD suspension option	33.3 (1.31")	30	All	TR158 (DE)
		1999-02	Dana 50,live axle	33.3 (1.31")	30	All	TR158 (DE)
		2000-05	Dana 50,live axle	33.3 (1.31")	30	All	TR158 (DE)
	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
		1985 on	Ford10.25"/10.5"dia.RG,6250lb, full floating	38.1 (1.50")	35	All	TR140[8] (DE)
		2002 on	Dana 70, full floating	35.8 (1.41")	32	4.56 & UP	TR170 (DE)
F350 Pickup,	Front	1986 on	Dana 60	38.1 (1.50")	35	4.56 & UP	TR166
E350 Van (2WD)				38.1 (1.50")	35	ALL	TR167[2]
		1980-04	Dana 50	33.3 (1.31")	30	All	TR158 (DE)
		1997-00	Non-HD option	33.3 (1.31")	30	All	TR158 (DE)
	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
		1985 on	Ford 10.25" dia. RG, 6250lb, full floating	38.1 (1.50")	35	All	TR140[8] (DE)
		1975-85	Dana 70HD,10.5" dia. RG	38.1 (1.50")	35	4.56 & UP	TR172[4] (DE)
						4.10 & DN	TR173[4] (DE)
		1975-85	Dana 70U	38.1 (1.50")	35	4.57 & UP	TR172[4] (DE)
						4.10 & DN	TR173[4] (DE)
F450/550 Pickup,	Front	1997 on	Dana 60	38.1 (1.50")	35	4.56 & UP	TR166
Super Duty Van(2WD),						4.10 & DN	TR167
E/F350 Dually							
	Rear	1996 on	Dana 80	40.6 (1.60")	37	4.10 & UP	TR174[4,9,10] (DE)
						3.73 & DN	TR175[4,9,10] (DE)
		1988 on	Dana 80	38.1 (1.50")	35	4.10 & UP	TR172[4,9,10] (DE)
						3.73 & DN	TR173[4,9,10] (DE)
Explorer,Ranger(US),	Front	1990-97	Dana35(V6 only)	29.5(1.16")	27	3.54&UP	TR102[1,4]
Aerostar (2WD)						2.73-3.31	TR103[1]
		1998 on	Dana 35 (non-standard)				DE
	Rear	1990 on	Ford 8.8" dia. RG, C-clip	30.5 (1.20")	28	All	TR82 (DE)
							TR81 (DE)
Courier,Ranger(Thai)	Front	2012 on	IFS, 29 spline, clamshell type	31.5 (1.24")	29	All	TR219

		To 2006	All			All	DE
		2006-12	IFS, 30 spline	30.8 (1.21")	30	All	TR223 (DE)
	Rear	2006-11	Dana 44,32 spline	35.8(1.41")	32	All	TR143
		2012 on	All models (incl. OE locker equipped)[6]	34.6 (1.36")	32	All	TR220[6]
		To 2006	4 cylinder, Dana banjo type	30.8 (1.21")	30	All	TR123[7] (DE)
			6 cylinder, salisbury type	32.8 (1.29")	30	All	DE
Expedition	Front	1997 on	Ford 8.8" dia. RG, C-clip	30.5 (1.20")	28	All	TR82 (DE)
	Rear	1997 on	Ford 9.75" dia. RG	34.8 (1.37")	34	All	TR150 (DE)

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.

6 Models equipped with OE locking rear diff (LRD) require axle shafts replaced with non-LRD axles. Further details in installation guide.

7 Suits the shimmed type third member (not the early adjuster nut type) which can be visually identified by the Dana logo cast into the third member between the two fins of the right hand side.

8 Ford's 10.25" & 10.5" Corporate Sterling (TR140) can be identified by the absence of a filler hole in the OE inspection cover.

9 Air Locker flange holes must be drilled or reamed to suit 9/16" bolts for Dana 80 applications.

10 Consult your gear supplier to confirm proper application

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
		1998-99	Non-LSD models	38.1 (1.50")	23	All	DE[5]
		2000 on		38.1 (1.50")	23	All	DE[5]
Holden Rodeo/Colorado,	Front	1988 on	Independent suspension(IFS)	28.4(1.12”)	17	All	TR203[1]
Colorado 7/Trailblazer		2012 on	AAM 760,IFS	30.5 (1.20")	28	All	TR148 (DE)
	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	TR222 (DE)
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]
Holden Suburban	Front	1998 on					DE
	Rear	1998 on	1500 petrol engine	33.3 (1.31")	30	2.73 & UP	TR222 (DE)
			2500 diesel engine				DE

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.

5 Third member may be swapped from pre-2000 non-LSD model for TR85 fitment (now discontinued).

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
Galloper/Galloper 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
		1999-06	Non-LSD models	38.5	23	All	TRIM-14
		2006 on	All models	38.5	23	All	TRIM-14
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,	Front	1990 on	Independent suspension(IFS)	28.4(1.12”)	17	All	TR203[1]
Isuzu Amigo,MU	Rear	1999 on	Dana 44	33.3(1.31”)	30	4.56&UP	TR117[2,4]
						4.13&DN	TR117[4]
Isuzu Axiom,	Front	2001 on	Independent suspension(IFS)	28.4(1.12”)	17	All	TR203[1]
Honda Passport	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]
		2002 on	Rover type, L322				DE
	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[5]
		2002 on	Rover type, L322				DE
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[1,5]
	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
		2009 on	IRS Disco 4				DE
Defender 110, 130,	Front	1983-93	Rover type	28.2(1.11”)	10	3.54	TR127[1]
County		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	Front	1979-83	Rover type	28.2(1.11”)	10	3.54	TR127
V8 engine		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[6]
Series III, Series II,	Front	1948-85	Rover type	28.2(1.11”)	10	4.7	TR127[2,3]
Series I		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 190102 ring gear spacer required. Longer ring gear bolts (not supplied) are also necessary - (Land Rover part no.576521)

4 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.

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
	Rear	1990-94	Ford 8.8" dia. RG, C-clip	30.5 (1.20")	28	All	TR82[4] (DE)
				33.5 (1.32")	31	All	TR81[4] (DE)
B4000,Pickup(US)	Front	1993-94	Dana35	29.5(1.16”)	27	3.54&UP	TR102[1]
						2.73-3.31	TR103
	Rear	1993	Ford 8.8" dia. RG, C-clip	30.5 (1.20")	28	All	TR82[4] (DE)
							TR81[4] (DE)
BT-50(Thai)	Front	2012 on	IFS, 29 spline, clamshell type	31.5 (1.24")	29	All	TR219
		2006-12	IFS, 30 spline	30.8 (1.21")	30	All	TR223 (DE)
	Rear	2006-11	Dana 44,32 spline	35.8(1.41”)	32	All	TR143
		2012 on	All models (incl. OE locker equipped)[2]	34.6 (1.36")	32	All	TR220[2]
Bravo (Thai)	Front					All	DE
	Rear	To 2006	2500/2600, 4 cylinder, Dana banjo type	30.8 (1.21")	30	All	TR123[3] (DE)
			6 cylinder, salisbury type	32.8 (1.29")	30	All	DE

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

2 Models equipped with OE locking diff (LRD) require axles replaced with non-OE LRD axles. Further details in installation guide.

3 Suits the shimmed type third member (not the early adjuster nut type) which can be visually identified by the Dana logo cast into the third member between the two fins of the right hand side

4 Axle spline must be determined for correct model selection.

Mahindra

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

Mitsubishi

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
Montero, Raider,	Front	1989on	IFS,28 spline,8.00”RG	28.8(1.13”)	28	ALL	TR110[4]
Pajero, Delica(van),		1984-97	IFS,25 spline,7.25”RG		25	ALL	DE
Shogun	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”	33.6(1.32”)	31	ALL	TR154
			RG, live axle				
		2000 on	NM,NP,NS,NT 9.5”RG,IRS	33.6(1.32”)	33	ALL	TR155
Pajero /Montero iO,	Front	TBD	TBD	TBD	TBD	TBD	DE
Pinin,Shogun	Rear	ALL	8.00" 10 bolt RG[1]	30.5 (1.20")	28	ALL	TR210(TR05)
Challenger	Front	ALL	IFS,28 spline	28.8(1.13”)	28	ALL	TR110
Montero Sport	Rear	To 2008	3.0L petrol 2.5L diesel, 9.00" RG	30.5 (1.20")	28	ALL	TR212(TR46)
Pajero Sport		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	ALL	DE
	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
			10 BOLT			3.73 & DN	TRIM-11
			10 BOLT		19	3.92 & UP	TRIM-12
			10 BOLT			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.

5 Models equipped with OE locking rear diff (LRD) require axle shafts replaced with non-LRD axles. Further details in installation guide

Nissan

Vehicle/ Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
Navara, Terrano,	Front	1986-15	R180A,8bolt RG (4 cyl.)	27.8(1.09")	27	ALL	TR182
D21,D22		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[2,3]
Navara, NP300, D23	Front	2015 on	R180A,10 bolt RG	30.8 (1.21")	30	TBD	TBD
			R180A,10 bolt RG	30.8 (1.21")	30	3.54 & DN	TR231 (DE)
	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
	Rear	2005 on	D40,M226,10 bolt RG (Spain made)	35.8 (1.41")	32	ALL	TR149[7] (DE)
			D40,M226,12 bolt RG (Thailand made)	35.8 (1.41")	32	ALL	TR159[7] (DE)
Frontier D40,	Front	2005on	R180A,10 bolt RG	27.8(1.09")	27	3.69&UP	TR180
Xterra N50		2005 on	R180A,10 bolt RG	27.8(1.09")	27	3.54&DN	TR181
	Rear	2005 on	D40,M226,10 bolt RG (Spain made)	35.8 (1.41")	32	ALL	TR149[7] (DE)
		2005 on	D40,M226,12 bolt RG (Thailand made)	35.8 (1.41")	32	ALL	TR159[7] (DE)
		2005 on	C200K	32.0 (1.26")	31	3.54 & UP	TBD
		2005 on	C200K	32.0 (1.26")	31	3.36 & DN	TR196 (DE)
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	2005 on	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
			M205 (USA built V8)	32.8 (1.26")	30	ALL	TR224 (DE)
	Rear	2005 on	R230,33 spline,IRS	33.3(1.31")	33	3.54 & UP	TR137[6] (DE)
			R230,33 spline,IRS	33.3(1.31")	33	3.36 & DN	DE[6]
Y62, Patrol,	Front	2010 on	C200K,34 SPL	34.8 (1.37")	34	ALL	TR228[5]

Infinity QX55			C200K,31 SPL	32.0(1.26")	31 ALL	TR196[5] (DE)
	Rear	2010 on	R248, 34 spline, IRS	34.8(1.37")	34 ALL	TR195[2]
			R230,33 spline,IRS	33.3(1.31")	333.54 & UP	TR137[6] (DE)
			R230,33 spline,IRS	33.3(1.31")	333.36 & DN	DE[6]
Y61, Patrol GU	Front	1998 on	H233B	32.0 (1.26")	31 ALL	TR136[3,4]
	Rear	1998 on	H233B 'small'	33.3 (1.31")	33 ALL	TR135[2,4]
		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]
	Rear	1988-98	H233B,33 SPL	33.3 (1.31")	33 ALL	TR135[2,4]
		1988-98	H260, leaf sprung cab chassis&utility	38.4 (1.51")	37 ALL	TR215[2]
			H260 'large', 34 spline, full-floating	34.8 (1.37")	34 ALL	TR214[2] (DE)
160,Patrol MQ	Front	1979-88	C200	30.4(1.20")	29 ALL	TR202[3]
	Rear[2]	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	Front	ALL	TBD	TBD	TBD TBD	TBD
	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]
Titan	Front	2004 on	M205	32.8 (1.29")	30 ALL	TR224 (DE)
	Rear	2004-09	M226,32 spline	35.8 (1.41")	32 ALL	TR149 (DE)
		2009 on	TBD	TBD	TBD TBD	TBD
Armada	Front	2004 on	M205	32.8 (1.29")	30 ALL	TR224 (DE)
	Rear	2004 on	R230,33 spline,IRS	33.3 (1.31")	333.54 & UP	TR137[6] (DE)
			R230,33 spline,IRS	33.3 (1.31")	333.36 & DN	DE[6]

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).

5 A replacement righthand side axle seal will be required for each removal of the OE straight shaft to access the diff.

6 TR137 does not suit ratio up to 3.36:1 due to RG offset.

7 Use country of manufacture to determine diff type.

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]
	Rear		All models		24	ALL	TR126 (DE)
PS300	Front		10 bolt RG (Suzuki Vitara type)	27.4 (1.08")	26	ALL	TR208
	Rear		12 bolt RG	27.4 (1.08")	26	ALL	DE[2]
PS350	Front		10 bolt RG (Suzuki Vitara type)	27.4 (1.08")	26	ALL	TR208[2]
	Rear		12 bolt RG	27.4 (1.08")	26	ALL	DE[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/Korando	Rear	1996 on	Dana 44, manual	33.3 (1.31")	30	4.55	TR116[1]
		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
Holden Drover		1998-03	Jimny model with 8 bolt RG	23.9(0.94")	22	ALL	TR207[2]
Maranti Gypsy		1984-98	Leaf spring suspension	23.9(0.94")	22	ALL	TR205
	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
		2006-12	26 spline 12 bolt RG		26	ALL	TR308
		1998-05	26 spline ADD	27.4 (1.08")	26	ALL	DE[3]
	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]
		2006-12	28 spline 12 bolt RG		28	ALL	TR307
		1998-05	26 spline	27.4 (1.08")	26	ALL	DE[4]

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.

[3] Grand Vitara/XL7 (to 2005) front requires conversion using TR208, Vitara/Sidekick third member assembly and free wheeling hubs.

[4] Grand Vitara/XL7 (to 2005) rear requires conversion using Vitara/Sidekick third member assembly (& 26 spl axle shafts if required). No application for current model (2005 on) Grand Vitara.

Toyota / Lexus

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
LandCruiser J200 Series,	Front	2007 on	All models	34.8(1.37")	34	All	TR151
Lexus LX570		2016on	USA 200 series with 8 speed Auto	34.8(1.37")	34	3.307	DE
	Rear	2007 on	All models	34.8(1.37")	32	All	TR152
LandCruiser71,76, 78,	Front	1998 on	8 dia.RG,IFS,50mm bearing ID	33 (1.31")	30	All	TR131
79, 100& 105 Series,		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,	Front	1996-03	7.5" dia. RG, 10 bolt, IFS	28(1.1")	27	All	TR90
90,120 and 150 series,		2003on	8" dia . RG, IFS clamshell, 53mm	33 (1.31")	30	3.91&UP	TR111[3]
Lexus GX			BRNG			3.73&DN	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
LandCruiser40, 55, 60,	Front	To 1989	12 bolt, full floating	33 (1.31")	30	All	TR142[1]
62, 70,73,74,75, & 80		1990-97	10 bolt, full floating	33 (1.31")	30	All	TR132
Series,Lexus LX450	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	Rear		Dana 60	33 (1.31")	30	4.56&UP	TR162

South America						4.10&DN	TR163
Bundera, LandCruiser	Front	ALL	10 bolt	33(1.31")	30	ALL	TR132[1]
II, LJ70, RJ70	Rear	to 1985	10 bolt, 45mm bearing ID	33(1.31")	30	ALL	TR132[1]
		1986 0n	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,10bolt,IFS	28(1.1")	27	ALL	TR90[2]
		2003 on	8" dia. RG IFS clamshell, 53mm	33(1.31")	30	3.91&UP	TR111[3]
			BRNG			3.73&DN	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
			8.9" dia RG, all manuals & all OE Locker Equipped	34.8 (1.37")	32	ALL	TR232 (DE)
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[6]
	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[6]
	Rear	To 2007	8.4" dia. RG, 12 bolt live axle	33 (1.31")	30	ALL	TR129
		2008 on	10" dia. RG, IRS			ALL	TBD
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	Front	ALL	10 bolt, live axle	33(1.31")	30	ALL	TR132[1]
Hiace,Fortuner		To 2005	7.5"dia.RG,10bolt, IFS	28(1.1")	27	ALL	TR90[2]
		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 bearing ID	33(1.31”)	30	ALL	TR132[4]
			Dana Spicer shim adjusted models.	33(1.31”)	30	ALL	TR133[5]
		2015 on	8.9" dia. RG, 12 bolt (shimmed)	34.8 (1.37")	32	ALL	TR232 (DE)
Dyna 150	Rear		TBD 10.5",34 SPL	34.8 (1.37")	34	ALL	TR183 (DE)

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).

5 Shim adjusted Dana Spicer made models came in some vehicles from South Africa and South America.

6 Carrier bearings are available from TRE #160119

UAZ

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
UAZ-469	Rear		Timken axle		10		TR305
			Spicer axle		10		TR304

Volkswagen

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
Amarok	Front	2010 on					DE[1]
	Front	2010 on		33.3 (1.31")	30		TR198 (DE)

1 Amaroks were built with ring gear welded to the front diff. No aftermarket application is feasible at this time.

Air Compressors

Air Compressors						
Description	Voltage	Performance @ 0 Bar [0 PSI]			Duty Cycle	TRE
		LPM	CFM	Amps	22°C [72°F]	Part No.
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 Count	Shaft Diameter	Spline type	Pressure Angle	TRE 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
Ford 9"	ALL	ALL Does not suit OE third member	35	38.1 (1.50")	24/48 DP	30°	TR99[1] (DE)
Ford 9" COMPETITION	ALL	ALL Does not suit OE third member	35	38.1 (1.50")	24/48 DP	30°	TR99CE[1] (DE)
Dana 60	4.56 & UP		40	43.2 (1.70")	24/48 DP	45°	TR188 (DE)
Dana 60	4.10 & DN		40	43.2 (1.70")	24/48 DP	45°	TR189 (DE)
Dana 70/Dana 80	xxx & UP	'Low Speed Carrier'	37	40.6 (1.60")	24/48 DP	45°	TR174 (DE)
Dana 70/Dana 80	xxx & DN	'High Speed Carrier'	37	40.6 (1.60")	24/48 DP	45°	TR175 (DE)
Dana 70/Dana 80	xxx & UP	'Low Speed Carrier'	40	43.2 (1.70")	24/48 DP	45°	TR176 (DE)
Dana 70/Dana 80	xxx & DN	'High Speed Carrier'	40	43.2 (1.70")	24/48 DP	45°	TR177 (DE)
GM 14 Bolt,10.5",FF	ALL	4.56&UP ratios must use 'thick' high offset gearset.	40	43.2 (1.70")	24/48 DP	45°	TR234 (DE)
GM 14 Bolt,10.5",FF	ALL	4.56&UP ratios must use 'thick' high offset gearset.	35	38.1 (1.50")	24/48 DP	30°	TR235 (DE)
Rockwell 2.5 Ton	ALL		16	41.3 (1.63")	TAPERED	30°	TR145 (DE)
Rockwell 2.5 Ton	ALL		40	43.2 (1.70")	24/48 DP	45°	TR200 (DE)
Ford 10" COMPETITION	ALL	Does not suit OE third membe	40	43.2 (1.70")	24/48 DP	45°	TR249CE (DE)

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.

1 Can be manually modified to accept some other axle splines. Contact TRE.
TR99 will suit Ford 9 3/8" third member if alternative TRE adjuster nut is used.

APPLICATIONS BY PART NUMBER

TRE Part No.	Description	Splines	Ratio	Superseded Part #(s)
TR81 (DE)	Ford 8.8",31 SPL	31	All	TR15 (DE)
TR82 (DE)	Ford 8.8",28 SPL	28	All	TR16 (DE)
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	
TR112	Chrysler 8.25" dia. RG, C-clip	27	All	
TR113 (DE)	Toyota 8" IFS,53mm BRNG	33	3.92 & UP	
TR114 (DE)	Dana 44,33 SPL,3.92 & UP	30	4.10 & DN	
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	
TR119	Ford 9",31 SPL	31	All	
TR121	Toyota 8" IFS,53mm BRNG	30	3.73&DN	
TR123 (DE)	Mazda,RR,shim adjusted	30	All	
TR127	Land Rover,10 SPL,Banjo	10	3.54	
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
TR133	Toyota 8",RR,shim adjusted	30	All	

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
TR137 (DE)	Nissan Pathfinder R51,33 SPL,RR	33	3.54 & UP	
TR138	Land Rover,24 SPL,Banjo,P38A	24	All	TR57
TR139 (DE)	AAM 11.5"	30	All	
TR140 (DE)	Ford 10.25" & 10.5" (Sterling / corporate)	35	All	
TR141 (DE)	Toyota 8" IFS,34 SPL	34	All	
TR142	Toyota 8.9",50mm BRNG	30	All	TR02,TR33
TR143	Dana 44,32SPL,3.73&DN	32	3.73&DN	
TR145 (DE)	Rockwell 2.5 Ton	16	All	
TR146	Toyota 10.5",36 SPL,RR	36	All	
TR147	Dana 44,35SPL,3.73&DN	35	3.73&DN	
TR148 (DE)	AAM 760,28 SPL,IFS	28	All	
TR149 (DE)	Nissan M226,32 SPL,10 bolt RG	32	All	
TR150 (DE)	Ford 9.75",34 SPL	34	All	
TR151	All models	34	All	
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	
TR157 (DE)	Jeep JK Rubicon,35 SPL	35	All	
TR158 (DE)	Dana 50,30 SPL	30	All	
TR159 (DE)	Nissan M226,32 SPL,12 bolt RG	32	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
TR170 (DE)	Dana 70/80,32 SPL,LOW SPEED	32	xxx & UP	TR97 (DE)
TR171 (DE)	Dana 70/80,32 SPL,HIGH SPEED	32	xxx & DN	TR98 (DE)
TR172 (DE)	Dana 70/80,35 SPL,LOW SPEED	35	xxx & UP	TR53 (DE), TR65 (DE)
TR173 (DE)	Dana 70/80,35 SPL,HIGH SPEED	35	xxx & DN	TR54 (DE), TR66 (DE),TR80 (DE)
TR174 (DE)	Dana 70/80,37 SPL,LOW SPEED	37	xxx & UP	TR115 (DE)
TR175 (DE)	Dana 70/80,37 SPL,HIGH SPEED	37	xxx & DN	TR91 (DE)
TR176 (DE)	Dana 70/80,40 SPL,LOW SPEED	40	xxx & UP	
TR177 (DE)	Dana 70/80,40 SPL,HIGH SPEED	40	xxx & DN	
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	
TR186 (DE)	AMC Model 20,3.08 & UP	29	3.08 & UP	TR60(DE)
TR187 (DE)	AMC Model 20,2.73:1	29	2.73	TR47 (DE)
TR188 (DE)	Dana 60XHD,40 SPL,4.56 & UP	40	4.56 & UP	
TR189 (DE)	Dana 60XHD,40 SPL,4.10 & DN	40	4.10 & DN	
TR193	Toyota 8.25" RR,12 Bolt RG,shim adjusted	30	All	
TR195	Nissan Patrol Y62,RR	34	All	
TR196 (DE)	Nissan C200K, 31 SPL	31	All	
TR197 (DE)	AAM 925/950,33 SPL	33	All	
TR198 (DE)	VW Amarok Rear	30	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
TR216 (DE)	GM 12 Bolt,8.9",30 SPL,3.73 & UP	30	3.73 & UP	TR12 (DE)
TR217	LR Discovery 3+4, FR, 29 SPL	29	All	
TR218	LR Discovery 3,RR,31 SPL	31	All	
TR219	T6 Ranger/BT50, FR, 29 SPL	29	All	
TR220	T6 Ranger/BT50, RR, 32 SPL	32	All	
TR221 (DE)	GM 8.5"/10 Bolt/AAM 860,28 SPL	28	All	TR83 (DE)
TR222 (DE)	GM 8.5"/10 Bolt/AAM 860,30 SPL	30	All	
TR223 (DE)	Ranger/BT50 IFS, 30 SPL	30	All	
TR224 (DE)	Nissan M205	30	All	
TR226	Dana 44A (aluminium)	30	All	
TR227	Suzuki Jimny,FR,26 SPL,8 bolt RG	26	All	
TR228	Nissan C200K, 34 SPL	34	All	
TR229	Nissan D23, RR, 34 SPL	34	All	
TR231 (DE)	R180A,30 SPL,10 bolt RG,3.54&DN	30	3.54 & DN	
TR232 (DE)	Toyota 8.9" RR,12 Bolt RG,shim adjusted	32	All	
TR234 (DE)	GM 14 Bolt,10.5",FF	40	4.10 & DN	
TR235 (DE)	GM 14 Bolt,10.5",FF	35	4.10 & DN	
TR304	UAZ-469 Spicer axle	10	All	
TR305	UAZ-469 Timken axle	10	All	
TR306	KIA Borrego		All	
TR307	28 SPL, 12 Bolt RG	28	All	
TR308	26 SPL, 12 Bolt RG	26	All	
TRIM-01	Mahindra, 10 SPL	10	3.73 & UP	
TRIM-02	Mahindra, 10 SPL	10	3.54 & DN	
TRIM-03	Mahindra, 27 SPL	27	3.73 & UP	
TRIM-04	Mahindra, 27 SPL	27	3.54 & DN	
TRIM-10	Mahindra,10 BOLT,10 SPL	10	3.92 & UP	
TRIM-11	Mahindra,10 BOLT,10 SPL	10	3.73 & DN	
TRIM-12	Mahindra,10 BOLT,19 SPL	19	3.92 & UP	
TRIM-13	Mahindra,10 BOLT,19 SPL	19	3.73 & DN	
TRIM-14	Isuzu Trooper, 23 SPL	23	All	
TRIM-16	Mahindra,10 BOLT,30 SPL	30	3.92 & UP	
TRIM-17	Mahindra,10 BOLT,30 SPL	30	3.73 & DN	

GENERAL NOTES:

‘DE' refers to the locker is under the development.

‘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.

TRE
4X4 ACCESSORIES

ISSUED BY

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