



# TRE AIR LOCKING DIFFERENTIAL & E-LOCKER CATALOGUE

November , 2021

# **AIR LOCKER & E-LOCKER**

**Attention: the application is based on the original vehicle  
Please inform us advance if you have done any modification**

## **INTERNATIONAL VEHICLE APPLICATION CHART**

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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.**

*'TR' refers to the locker is air locker.*

*'TE' refers to the locker is electric locker.*

*'TC' refers to the locker is crab locker.*

## 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 <sup>1</sup> , Vans	Front	To 1980	Dana M44, 3600lb	33.3 (1.31")	30	3.92 & UP	TR116/TE116/T C116
						3.73 & DN	TR117/TE117/TC 117
		1977-89	GM 10 bolt	30.5 (1.20")	28	2.73 & UP	TR221 <sup>2</sup>
	Rear	1989 on	GM 10 bolt, 8.5" dia. RG, semi floating	33.3 (1.31")	30	2.73 & UP	TR222 <sup>2</sup>
		1982-89	GM 10 bolt, 8.5" dia. RG, semi floating	30.5 (1.20")	28	2.73 & UP	TR221 <sup>2</sup>
	1982 -2013	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 <sup>1</sup> , 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
		1982-2013	GM 14bolt, 9.5" dia. RG, semi floating	34.8 (1.37")	33	All	TR197 (DE)
	1976 on	Dana 70HD <sup>3,4</sup>	38.1 (1.50")	35	4.56 & UP	TR172 <sup>6</sup>	
					4.10 & DN	TR173 <sup>6</sup>	
		Dana 70U	38.1 (1.50")	35	4.56 & UP	TR172 <sup>6</sup>	
					4.10 & DN	TR173 <sup>6</sup>	

		1973 on	GM 14 bolt, 10.5" dia RG, full floating	39.0 (1.56")	30	All <sup>5</sup>	TR114 <sup>8</sup> (DE)
		2001-2019	AAM 1150 (11.5")	39.0 (1.56")	30	All	TR139 (DE)
20/2500 Series, C, G, K,P, Cab Chassis, Pickup,SportVan Suburban <sup>1</sup> , Rally	Front	To 1980	Dana 44	33.3 (1.31")	30	3.92 & UP	TR116/TE116/T C116
						3.73 & DN	TR117/TE117/T C117
		1977-89	GM 10 bolt	30.5 (1.20")	28	2.73 & UP	TR221 <sup>2</sup>
	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 <sup>2</sup>	
	1973 on	GM 14 bolt, 10.5" dia. RG full floating	39.0 (1.56")	30	All <sup>5</sup>	TR114 <sup>8</sup> (DE)	
3500 HD	Rear	1992 on	Dana 80	38.1 (1.50")	35	4.10 & UP	TR172 <sup>6,7,9</sup>
						3.73 & DN	TR173 <sup>6,7,9</sup>
					40.6 (1.60")	37	4.10 & UP
						3.73 & DN	TR175 <sup>6,7,9</sup>
		1992 on	GM 14 bolt, 10.5" dia. RG full floating	39.0 (1.56")	30	All <sup>5</sup>	TR114 <sup>8</sup> (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 <sup>4</sup> (DE)
	Rear	1983 on	AMC Model 20, 8.875" dia. RG	31.8 (1.25")	29	2.73	TR187 <sup>4</sup> (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

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

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

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

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

<sup>5</sup> 4.56 & UP ratios must use 'thick' type high offset gearset.

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

<sup>7</sup> 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), YJ & TJ Wrangler,	Front	1971 on	Dana 30	29.5(1.16")	27	3.73 & UP	TR100 <sup>2,5</sup> /TE100/TC100
						3.54 & DN	TR101 <sup>2</sup> /TE101/T C101
						3.55-3.72	TR310
XJ Cherokee,		2003 on	TJ Wrangler Rubicon w/OEM 4.10:1 gears	33.3(1.31")	30	4.10:1	TR117 <sup>5</sup> /TE117/T C117
XJ Wagoneer,	Rear	1993-2004	Dana 44A,ZJ C-Clip;WJ non C-Clip	33.3(1.31")	30	All	TR226 <sup>2</sup>
WJ Grand Cherokee <sup>3</sup> ,		2003 on	TJ Wrangler Rubicon w/OEM 4.10:1 gears	33.3(1.31")	30	4.10:1	TR117 <sup>5</sup> /TE117/T C117
ZJ		1990on	Dana35 <sup>1</sup> C-clip,XJ,YJ,ZJ,TJ,WJ	29.5(1.16")	27	2.73-3.31	TR103 <sup>4</sup>
						3.54&UP	TR102 <sup>4,5</sup>
		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 <sup>3</sup>
		1997 on	Dana 44, TJ model only	33.3(1.31")	30	3.92 & UP	TR116 <sup>4,5</sup> /TE116/ TC116
						3.73 & DN	TR117 <sup>4,5</sup> /TE117/ TC117
		1985-89	Dana35 <sup>1</sup> ,non C-clip	29.5(1.16")	27	3.54&UP	TR102 <sup>5</sup>
						2.73-3.31	TR103
		1987-89	Dana44, Commanche truck	33.3(1.31")	30	3.92 & UP	TR116 <sup>5</sup> /TE116/T C116
						3.73 & DN	TR117 <sup>5</sup> /TE117/T C117
		1986-91	Dana 44, XJ w/ metric ton package	33.3(1.31")	30	3.92 & UP	TR116 <sup>5</sup> /TE116/T C116
						3.73 & DN	TR117 <sup>5</sup> /TE117/T C117
		1969-75,86	Dana 44-3R	33.3(1.31")	30	3.92 & UP	TR116 <sup>5</sup> /TE116/T C116
						3.73 & DN	TR117 <sup>5</sup> /TE117/T C117
		1966-68	Dana 44-R	31.8(1.25")	19	3.92 & UP	DE
						3.73 & DN	DE
Full size AMC Cherokee, Grand Wagoneer	Front	1974-93	Dana M44-1F	33.3(1.31")	30	3.92 & UP	TR116 <sup>5</sup> /TE116/T C116
						3.73 & DN	TR117 <sup>5</sup> /TE117/T C117
		1971- 73	Dana 30	29.5(1 16")	27	3.73 & UP	TR100 <sup>5</sup> /TE100/T C100
						3.54 & DN	TR101/TE101/T C101
	Rear	1986-93	Dana 44	33.3(1.31")	30	3.92 & UP	TR116 <sup>5</sup> /TE116/T C116
						3.73 & DN	TR117 <sup>5</sup> /TE117/T C117
		1969-79	Dana M44-3R	33.3(1.31")	30	3.92 & UP	TR116 <sup>5</sup> /TE116/T C116
						3.73 & DN	TR117 <sup>5</sup> /TE117/T C117
		1980-86	AMC Model 20, 8.875" dia. RG	31.8 (1.25")	29	3.08 & UP	TR186 <sup>2</sup> (DE)

		1966-69	Dana M44-R	31.8 (1.25")	19	2.73 & DN 3.92 & UP	TR187(DE) DE
						3.73 & DN	DE
J10, Light Truck, FC150, 170, Honcho	Front	1971-88	Dana M44-1F	33.3 (1.31")	30	3.92 & UP 3.73 & DN	TR116 <sup>5</sup> /TE116/T C116 TR117 <sup>5</sup> /TE117/T C117
	Rear	1970-88	Dana M44-R	33.3 (1.31")	30	3.92 & UP 3.73 & DN	TR116 <sup>5</sup> /TE116/T C116 TR117 <sup>5</sup> /TE117/T C117
		1980-88	AMC Model 20, 8.875" dia. RG	31.8 (1.25")	29	3.08 & UP 2.73 & DN	TR186 <sup>7</sup> (DE) TR187 (DE)
	Rear	1966-69	Dana M44-R	31.8 (1.25")	19	3.92 & UP 3.73 & DN	DE DE
J20, Medium Truck, J30, Heavy Truck	Front	1970-88	Dana M44-1F	33.3 (1.31")	30	3.92 & UP 3.73 & DN	TR116 <sup>5</sup> /TE116/T C116 TR117 <sup>5</sup> /TE117/T C117
	Rear	1974-88	Dana M60-3R	33.3 (1.31")	30	4.56 & UP 4.10&DN	TR162 TR163
		1969-73	Dana M60-2R	38.1 (1.50")	35	4.56 & UP 4.10&DN	TR166 TR167
JK Wrangler (not Rubicon Models)	Front	2007 on	Dana 30	29.5 (1.16")	27	3.73 & UP 3.54 & DN	TR100 <sup>5</sup> /TE100/T C100 TR101/TE101/T C101
		2007 on	Dana 44	33.3 (1.31")	30	All	TR117 <sup>4.5</sup> /TE117/ TC117
	Rear	2007	Dana 35	TBD	TBD	All	TBD (DE)
JK Wrangler Rubicon	Front	2007 on	replacement for 32 SPL Rock-Trac e-locker		All	All	TR157 <sup>8</sup> /TC157
	Rear		(axle upgrade required - see note 8)		All	All	TR157 <sup>8</sup> /TC157
KJ, KK, Jeep Liberty, Cherokee	Front	2001 on	Dana 30 IFS	29.5 (1.16")	27	3.73 & UP 3.54 & DN	TR100 <sup>5</sup> /TE100/T C100 TR101/TE101/T C101
	Rear	2001 on	Chrysler 8.25" dia. RG, C-clip	30.7(1.21")	29	All	TR93 <sup>4</sup>
WK/WH Grand Cherokee, XK/XH Commander	Front	2005-10	TBD				DE
	Rear	2005-10	Chrysler 8.25" dia. RG, non-C-Clip	30.7(1.21")	29	All	TR93 <sup>4,6</sup>
		2005-10	Dana 44A (WK/WH:SRT8 only; XK/XH:2WD only)	33.3(1.31")	30	All	TR226 <sup>2</sup>
WK2/WH2 Grand Cherokee,	Front	2011 on	TBD				DE
	Rear	2011 on	TBD				DE
JL Wrangler Rubicon	Front	2018 on	Dana M210, axle upgrade required, see note 10		35	All	TR246 <sup>11,12</sup> (DE)
	Rear	2018 on	Dana M220, axle upgrade required, see note 11		35	All	TR246 <sup>11,12</sup> (DE)
JL Wrangler (not Rubicon models)	Front	2018 on	Dana M186 (Dana 30)	29.5 (1.16")	27	All	TR100/TE100/T C100
			Dana M210 <sup>11</sup>	35.8 (1.41")	32	All	TR245 <sup>5,9</sup> (DE)
	Rear	2018 on	Dana M200 <sup>10</sup>	31.5 (1.24")	29	All	TR244
		Dana M220 <sup>10</sup>	35.8 (1.41")	32	All	TR245 <sup>5,9</sup> (DE)	

JT Gladiator	Front	2019 on	Dana M210	35.8 (1.41")	32	All	TR245 <sup>5,9</sup> (DE)
	Rear	2019 on	Dana M220	35.8 (1.41")	32	All	TR245 <sup>5,9</sup> (DE)
JT Gladiator Rubicon	Front	2019 on	Dana M210, axle upgrade required, see note 11	38.1 (1.50")	35	All	TR246 <sup>11,12</sup> (DE)
	Rear	2019 on	Dana M220, axle upgrade required, see note 11	38.1 (1.50")	35	All	TR246 <sup>11,12</sup> (DE)

<sup>1</sup> 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.

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

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

<sup>4</sup> 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.

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

<sup>6</sup> Does not suit Quadra-Drive ELSD equipped vehicles.

<sup>7</sup> 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.

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

<sup>9</sup> TR245 must NOT be used in JL Rubicons. It must only be used in JL Sport/Sahara vehicles equipped with M220 differential.

<sup>10</sup> M200 rear axle can be identified by the oil drain plug in the bottom center of axle housing. The M220 rear axle can be identified by the oil drain plug in the left hand side of the housing.

<sup>11</sup> TR 246 requires upgrade to aftermarket 35 spline axle shafts (sold separately).

<sup>12</sup> To use RD246 in the front of JL Rubicon, aftermarket electronics (not supplied by ARB) are required to modify the ECU to clear error codes.



## Dodge

Vehicle/Mode	Axle	Year	Description	Shaft	Shaft	Ratio	TRE	
	Loc'n			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 <sup>2,3</sup> /TE116/ TC116	
						3.73 & DN	TR117 <sup>2,3</sup> /TE117/ TC117	
		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	
						4.10 & DN	TR171	
	Rear	1983-93	Dana 60 <sup>1</sup>	33.3 (1.31")	30	3.54	TR163	
		1972-82	Dana 60	35.8 (1.41")	32	4.56&UP	TR164 <sup>4</sup>	
						4.10&DN	TR165 <sup>4</sup>	
					38.1 (1.50")	35	4.56 & UP	TR166 <sup>4</sup>
							4.10 & DN	TR167 <sup>4</sup>
					33.3 (1.31")	30	4.56 & UP	TR162 <sup>4</sup>
						4.10 & DN	TR163 <sup>4</sup>	
1991-93		Dana 70, three quarter ton truck	35.8 (1.41")	32	4.56 & UP	TR170		
					4.10 & DN	TR171		
	1988-93	Dana 70U, three quarter ton truck	38.1 (1.50")	35	4.56 & UP	TR172 <sup>2</sup>		
					4.10 & DN	TR173 <sup>2</sup>		
Dakota V6, 1500/2500 Van	Front	1997 on	Dana 30 (non-standard)	29.5 (1.16")	27		DE	
	Rear	1997 on	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	DE <sup>5</sup>	
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	
		1971-74	Dana 70	35.8 (1.41")	32	4.56 & UP	TR170 <sup>2</sup>	
						4.10 & DN	TR171 <sup>2</sup>	
	Rear	1979-93	Dana 70HD	38.1 (1.50")	35	4.56 & UP	TR172 <sup>2</sup>	
						4.10 & DN	TR173 <sup>2</sup>	
		1971-93	Dana 70	35.8 (1.41")	32	4.56 & UP	TR170 <sup>2</sup>	
					4.10 & DN	TR171 <sup>2</sup>		
	1993	Dana 80	38.1 (1.50")	35	3.73 & DN	TR173 <sup>2,6</sup>		

				40.6 (1.60")	37	3.73 & DN	TR175 <sup>2,6</sup>	
RAM 1500	Front	1994-03	Dana 44	33.3 (1.31")	30	3.91 & UP	TR116 <sup>2,3</sup> /TE116/ TC116	
						3.73 & DN	TR117 <sup>2,3</sup> /TE117/ TC117	
	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 <sup>4</sup>	
						4.10&DN	TR165 <sup>4</sup>	
				38.1 (1.50")	35	4.56 & UP	TR166 <sup>4</sup>	
						4.10 & DN	TR167 <sup>4</sup>	
				33.3 (1.31")	30	4.56 & UP	TR162 <sup>4</sup>	
	4.10 & DN	TR163 <sup>4</sup>						
		2003 on	AAM 925 (9.25")	34.8 (1.37")	33	All	TR197 <sup>7</sup> (DE)	
	Rear	1994-02	Dana 70	35.8 (1.41")	32	4.56 & UP	TR170 <sup>2</sup>	
						4.10 & DN	TR171 <sup>2</sup>	
						38.1 (1.50")	35	4.10 & UP
3.73 & DN								TR173 <sup>2,6,9</sup>
40.6 (1.60")						37	4.10 & UP	TR174 <sup>2,6,9</sup>
	3.73 & DN	TR175 <sup>2,6,9</sup>						
	2003 on	AAM 1150 (11.5")	39.0 (1.56")	30	All	TR139 <sup>8</sup> (DE)		

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

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

<sup>3</sup> 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.

<sup>4</sup> Several axle shaft variants were used. Verify spline count prior to ordering.

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

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

<sup>7</sup> 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.

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

<sup>9</sup> 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 (Nissan Patrol GQ)	Front	All	H233B	32.0 (1.26")	31	All	TR136 <sup>5</sup> /TE136/T C136
	Rear	All	H233B		33	All	TR135/TE135/T C135
F100/150 Pickup, E100/150 Van (2WD), Bronco	Front <sup>3</sup>	1983-96	Dana 44, C-clip	33.3 (1.31")	30	3.92 & UP	TR116 <sup>1.4</sup> /TE116/ TC116
		To 1982	Dana 44	33.3 (1.31")	30	3.73& DN	TR117 <sup>1.4</sup> /TE117/ TC117
		1997 on	Ford 8.8" dia. RG, IFS	30.5 (1.20")	28	3.92 & UP	TR116 <sup>4</sup> /TE116/T C116
		2010 on	Ford 8.8" dia. RG, IFS (incl. Raptor)	33.5 (1.32")	31	3.73& DN	TR117 <sup>4</sup> /TE117/T C117
	Rear	1977-79	Dana 44	33.3(1.31")	30	All	TR82 (DE)
		1976-86	Ford 9" dia. RG	33.5 (1.32")	31	3.92 & UP	TR116 <sup>4</sup> /TE116/T C116
		To 1979	Ford 9" dia. RG, 28 spline	30.5 (1.20")	28	3.73& DN	TR117 <sup>4</sup> /TE117/T C117
		1997 on	Ford 9.75" dia. RG, C-clip	34.8 (1.37")	34	All	TR119 <sup>4</sup> (DE)
		1983 on	Ford 8.8" dia. RG	33.5 (1.32")	31	All	DE
F250 Pickup, E250 Van (2WD)	Front <sup>3</sup>	1983-96	Dana 44, C-clip	33.3(1.31")	30	3.92 & UP	TR116 <sup>1.4</sup> /TE116/ TC116
		To 1983	Dana 44	33.3(1.31")	30	3.73& DN	TR117 <sup>1.4</sup> /TE117/ TC117
		2000 on	Dana 60, full floating	38.1 (1.50")	35	3.92 & UP	TR116 <sup>4</sup> /TE116/T C116
						3.73& DN	TR117 <sup>4</sup> /TE117/T C117
		1997-98	Ford 8.8" dia. RG, 3750lb	33.5 (1.32")	31	4.56 & UP	TR166 <sup>2</sup>
				30.5 (1.20")	28	4.10 & DN	TR167 <sup>2</sup>
		1980-06	Dana 50,IFS w/ HD suspension option	33.3 (1.31")	30	All	TR81 (DE)
		1999-02	Dana 50, live axle	33.3 (1.31")	30	All	TR82 (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	All	TR158 (DE)
						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	Ford 10.25"/10.5" dia. RG, 6250lb, full floating	38.1 (1.50")	35	All	TR140 <sup>8</sup> (DE)	
		2002 on	Dana 70, full floating	35.8 (1.41")	32	4.56 & UP	TR170	
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 <sup>2</sup>	
		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 <sup>2</sup>	
							4.10 & DN	TR167 <sup>2</sup>
		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 <sup>8</sup> (DE)	
		1975-85	Dana 70HD, 10.5" dia. RG	38.1 (1.50")	35	4.56 & UP	TR172 <sup>4</sup>	
							4.10 & DN	TR173 <sup>4</sup>
		1975-85	Dana 70U	38.1 (1.50")	35	4.57 & UP	TR172 <sup>4</sup>	
					4.10 & DN	TR173 <sup>4</sup>		
F450/550 Pickup, Super Duty Van(2WD), E/F350 Dually	Front	1997 on	Dana 60	38.1 (1.50")	35	4.56 & UP	TR166	
							4.10 & DN	TR167
	Rear	1996 on	Dana 80	40.6 (1.60")	37	4.10 & UP	TR174 <sup>4,9,10</sup>	
							3.73 & DN	TR175 <sup>4,9,10</sup>
		1988 on	Dana 80	38.1 (1.50")	35	4.10 & UP	TR172 <sup>4,9,10</sup>	
							3.73 & DN	TR173 <sup>4,9,10</sup>
Explorer,Ranger(US), Aerostar (2WD)	Front	1990-97	Dana 35(V6 only)	29.5(1.16")	27	3.54&UP	TR102 <sup>1,4</sup>	
							2.73-3.31	TR103 <sup>1</sup>
		1998-2011	Dana 35 (non-standard)					DE
	2019 on	IFS,29 spline,aluminium,clamshell type	31.5 (1.24")	29	All		TR219	
	Rear	1990 -2011	Ford 8.8" dia. RG, C-clip	30.5 (1.20")	28	All		TR82 (DE)
			33.5 (1.32")	31	All		TR81 (DE)	
	2019 on	Dana M220	35.8 (1.41")	32	All		TR245(DE)	

Courier,Ranger(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)
		To 2006	All			All	DE
	Rear	2006-2011	Dana 44,32 spline	35.8(1.41")	32	All	TR143
		2012 on	All models (incl. OE locker equipped) <sup>6</sup>	34.6 (1.36")	32	All	TR220 <sup>6</sup>
		2018 on	Raptor rear diff - TBD				DE
		To 2006	4 cylinder, Dana banjo type	30.8 (1.21")	30	All	TR123 <sup>7</sup> (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)

- <sup>1</sup> The C-clip used in the OE differential cannot be used in the Air Locker. Refer to installation guide or Air Locker Service & Parts
- <sup>2</sup> Reverse rotation Dana 60 front ends with aftermarket ring & pinion sets all use TR167 regardless of the gear ratio.
- <sup>3</sup> 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.
- <sup>4</sup> See performance section of this guide for non-standard upgrade model(s) available for this application.
- <sup>5</sup> Floating thrust block(s) are included but should ONLY be installed on semi-floating axle assemblies.
- <sup>6</sup> Models equipped with OE locking rear diff (LRD) require axle shafts replaced with non-LRD axles. Further details in installation guide.
- <sup>7</sup> 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.
- <sup>8</sup> Ford's 10.25" & 10.5" Corporate Sterling (TR140) can be identified by the absence of a filler hole in the OE inspection cover.
- <sup>9</sup> Air Locker flange holes must be drilled or reamed to suit 9/16" bolts for Dana 80 applications.
- <sup>10</sup> Consult your gear supplier to confirm proper application
- <sup>11</sup> When installing TR245 an aftermarket ring and pinion set to suit JL Jeep Wrangler Rubicon version M220 differential is required due to Ford welded ring gear. Confirm ratios before ordering ring and pinion set.

## Great Wall

Vehicle/Model	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No.
H3, H5, Pick up	Front	ALL	10 bolt, 30 SPL	33(1.31")	30	All	TR801
	Rear	ALL	Engine without turbo	33(1.31")	30	All	TR801
			12 bolt, Engine with turbo	33(1.31")	30	All	TR802

# 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 <sup>1</sup>
	Rear	1987-91	Turbo diesel&V6 petrol only	33.5(1.32")	26	All	TR213/TE213/T C213
		1993-97	All models	33.5(1.32")	26	All	TR213/TE213/T C213
		1998-99	Non-LSD models	38.1 (1.50")	23	All	DE <sup>5</sup>
		2000 on		38.1 (1.50")	23	All	DE <sup>5</sup>
Holden Rodeo/Colorado, Colorado 7/Trailblazer	Front	1988 on	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 <sup>1</sup>
		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/TE213/T C213
		1993 on	All models including 4*2	33.5(1.32")	26	All	TR213 <sup>3</sup> /TE213/ TC213
	2012 on	AAM 860 (8.6")	33.3 (1.31")	30	All	TR222	
Holden Frontera /Sport	Front	1990 on	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 <sup>1</sup>
	Rear	1999 on	Dana 44	33.3(1.31")	30	4.56&UP 4.13&DN	TR117 <sup>2,4</sup> /TE117/ TC117 TR117 <sup>4</sup> /TE117/ TC117
Holden Suburban	Front	1998 on					DE
	Rear	1998 on	1500 petrol engine 2500 diesel engine	33.3 (1.31")	30	2.73 & UP	TR222 DE

<sup>1</sup> 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.

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

<sup>3</sup> 2003 on models may require thrust block removal or axle shaft shortening.

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

<sup>5</sup> 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 <sup>1</sup> /TE110/T C110
	Rear	2001on	All models	34.8(1.37")	34	ALL	TR156/TE156/T C156
Galoper/Galoper II	Front		All models	28.8(1.13")	28	ALL	TR110 <sup>1</sup> /TE110/T C110
	Rear		8.00" 10 bolt RG2 <sup>2</sup>	30.5(1.20")	28	ALL	<b>TR210/TE210/T C210</b>
			9.00" 12 bolt RG3 <sup>3</sup>	30.5(1.20")	28	ALL	TR212/TE212/T C212

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

<sup>2</sup> 8" differential has a crown wheel inside diameter of 124mm.

<sup>3</sup> 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 -2012	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 <sup>1</sup>
	Rear	1987-91	Turbo diesel&V6 petrol only	33.5(1.32")	26	All	TR213/TE213/T C213
		1993-97	All models	33.5(1.32")	26	All	TR213/TE213/T C213
		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 -2020	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 <sup>1</sup>
		2020 on	Independent suspension (IFS)	30.0 (1.18")	29	All	TR260 (DE)
Opel Campo, MUX	Rear	1987-91	4*4 diesel &4*2diesel models	33.5(1.32")	26	All	TR213/TE213/T C213
		1993 on	All models including 4*2	33.5(1.32")	26	All	TR213 <sup>3</sup> /TE213/T C213
Isuzu Rodeo/Sport, Isuzu Amigo,MU	Front	1990 on	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 <sup>1</sup>
	Rear	1999 on	Dana 44	33.3(1.31")	30	4.56&UP 4.13&DN	TR117 <sup>2,4</sup> /TE117/ TC117 TR117 <sup>4</sup> /TE117/T C117
Isuzu Axiom, Honda Passport	Front	2001 on	Independent suspension(IFS)	28.4(1.12")	17	All	TR203 <sup>1</sup>
	Rear	2001 on	Dana 44	33.3(1.31")	30	4.56&UP 4.13&DN	TR117 <sup>2,4</sup> /TE117/ TC117 TR117 <sup>4</sup> /TE117/T C117

<sup>1</sup> 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.

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

<sup>3</sup> 2003 on models may require thrust block removal or axle shaft shortening.

<sup>4</sup> 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 <sup>1.4</sup> /TE127
		1993-96	Rover type	31.5 (1.24")	24	3.54	TR128 <sup>1.5</sup> /TE128/ TC128
		1994-01	Rover type,P38A	31.5 (1.24")	24	3.54	TR138 <sup>5</sup> /TE138
		2002 on	Rover type, L322				DE
	Rear	To 1993	Rover type	28.2(1.11")	10	3.54	TR127 <sup>1.4</sup> /TE127
		1993-96	Rover type	31.5 (1.24")	24	3.54	TR128 <sup>1.5</sup> /TE128/ TC128
		1994-01	Rover type,P38A	31.5 (1.24")	24	3.54	TR138 <sup>5</sup> /TE138
		2002 on	Rover type, L322				DE
Discovery	Front	To 1993	Rover type	28.2(1.11")	10	3.54	TR127 <sup>1</sup> /TE127
		1993-98	Rover type	31.5 (1.24")	24	3.54	TR128 <sup>1.5</sup> /TE128/ TC128
	Rear	To 1993	Rover type	28.2(1.11")	10	3.54	TR127 <sup>1</sup> /TE127
		1993-98	Rover type	31.5 (1.24")	24	3.54	TR128 <sup>1.5</sup> /TE128/ TC128
Discovery Series II	Front	All	Rover type	31.5 (1.24")	24	3.54	TR128 <sup>1.5</sup> /TE128/ TC128
	Rear	All	Rover type	31.5 (1.24")	24	3.54	TR128 <sup>6</sup> /TE128/T C128
		2002 on	Rover type,P38A	31.5 (1.24")	24	3.54	TR138 <sup>6</sup> /TE138
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, County	Front	1983-93	Rover type	28.2(1.11")	10	3.54	TR127 <sup>1</sup> /TE127
		1993 on	Rover type	31.5 (1.24")	24	3.54	TR128 <sup>1.5</sup> /TE128/ TC128
	Rear	2002 on	Rover type	31.5 (1.24")	24	3.54	TR128 <sup>6</sup> /TE128/T C128
			Rover type,P38A	31.5 (1.24")	24	3.54	TR138 <sup>6</sup> /TE138
	1983-02	Salisbury type	31.5 (1.24")	24	3.54	TR161	
LWB models V8 engine	Front	1979-83	Rover type	28.2(1.11")	10	3.54	TR127/TE127
		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 <sup>1</sup> /TE127	
		1993 on	Rover type	31.5 (1.24")	24	3.54	TR128 <sup>1,5</sup> /TE128/ TC128	
	Rear <sup>2</sup>	1983-93	Rover type	28.2(1.11")	10	3.54	TR127 <sup>1</sup> /TE127	
			4 cyl.petrol & diesel engine					
		1993 on	Rover type	31.5 (1.24")	24	3.54	TR128 <sup>1,6</sup> /TE128/ TC128	
	2002 on	Rover type,P38A	31.5 (1.24")	24	3.54	TR138 <sup>6</sup> /TE138		
Series III, Series II, Series I	Front	1948-85	Rover type	28.2(1.11")	10	4.7	TR127 <sup>2,3</sup> /TE127	
		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 <sup>2,3</sup> /TE127	
		1948-85	Salisbury type	31.5 (1.24")	24	4.7	TR160	

<sup>1</sup> If vehicle was manufactured during 1993, check spline count.

<sup>2</sup> Air Locker not available for vehicles equipped with high load option.

<sup>3</sup> 190102 ring gear spacer required. Longer ring gear bolts (not supplied) are also necessary - (Land Rover part no.576521)

<sup>4</sup> 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.

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

<sup>6</sup> 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 <sup>1</sup>
						2.73-3.31	TR103
	Rear	1990-94	Ford 8.8" dia. RG, C-clip	30.5 (1.20")	28	All	TR82 <sup>4</sup> (DE)
						All	TR81 <sup>4</sup> (DE)
B4000,Pickup(US)	Front	1993-94	Dana35	29.5(1.16")	27	3.54&UP	TR102 <sup>1</sup>
						2.73-3.31	TR103
	Rear	1993	Ford 8.8" dia. RG, C-clip	30.5 (1.20")	28	All	TR82 <sup>4</sup> (DE)
						All	TR81 <sup>4</sup> (DE)
BT-50(Thai)	Front	2020 on	Independent suspension (IFS)	30.0 (1.18")	29	All	TR260(DE)
		2012 -2020	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	2006-2011	Dana 44,32 spline	35.8(1.41")	32	All	TR143
		2012-2020	All models (incl. OE locker equipped) <sup>2</sup>	34.6 (1.36")	32	All	TR220 <sup>2</sup>
		2020 on	All models	33.5 (1.32")	26	All	TR213
Bravo (Thai)	Front					All	DE
	Rear	To 2006	2500/2600, 4 cylinder, Dana banjo type	30.8 (1.21")	30	All	TR123 <sup>3</sup> (DE)
			6 cylinder, salisbury type	32.8 (1.29")	30	All	DE

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

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

<sup>3</sup> 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

<sup>4</sup> 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, 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	

		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	

## MERCEDES BENZ

Vehicle/Mode	Axle Loc'n	Year	Description	Shaft Diameter	Shaft Spline	Ratio	TRE Part No
x220d, x250d	Front	2018 on	R180A, 10 bolt RG	30.8 (1.21")	30	3.54 & DN	TE231/TR231 <sup>1</sup>
	Rear	2018 on	ALL	34.8 (1.37")	34	All	TR229 <sup>2,3</sup>
X350d	Front	2018 on	C200K, 34SPL	34.8 (1.37")	34	All	TR228 <sup>1</sup>
	Rear	2018 on	ALL	34.8 (1.37")	34	All	TR229 <sup>2,3</sup>

1 Replacement axle shaft seal required, see Mercedes or Nissan for availability.

2 Axle shafts from non-locked model are required for fitment. See Mercedes or Nissan.

3 OE diff lock actuator plug will need to be short circuited to avoid warning light coming on.

## Mitsubishi

Vehicle/Model	Axle Loc'n	Year	Description	Shaft	Shaft	Ratio	TRE	
				Diameter	Spline		Part No.	
Montero, Raider, Pajero, Shogun	Front	1989on	IFS, 28 spline, 8.00" RG	28.8(1.13")	28	ALL	TR110 <sup>4</sup> /TE110/ TC110	
			IFS, 28 spline, 7.25" RG				28	ALL
		1984-97	IFS, 25 spline, 7.25" RG	25	ALL	TR311		
	Rear	1987-95	9.00" 12 bolt RG <sup>2</sup>	30.5 (1.20")	28	ALL	TR212 <sup>3</sup> /TE212/ TC212	
		1983-86	8.00" 10 bolt RG <sup>1</sup>	30.5 (1.20")	28	ALL	TR210/TE210/T C210	
		1993-00	3.5L&2.8TDI,NJ,NK,NL,9.5"RG live axle	33.6(1.32")	31	ALL	TR154/TE154/T C154	
2000 on	NM,NP,NS,NT 9.5"RG,IRS	33.6(1.32")	33	ALL	TR155/TE155			
Pajero /Montero iO, Pinin,	Front	TBD	TBD	TBD	TBD	TBD	DE	
	Rear	ALL	8.00" 10 bolt RG <sup>1</sup>	30.5 (1.20")	28	ALL	TR210/TE210/T C210	
Challenger Montero Sport Pajero Sport Shogun Sport	Front	ALL	IFS, 28 spline	28.8(1.13")	28	ALL	TR110/TE110/T C110	
	Rear	To 2008	3.0L petrol 2.5L diesel, 9.00" RG	30.5 (1.20")	28	ALL	TR212/TE212/T C212	
		ALL	3.5L, 9.50"RG	33.6(1.32")	31	ALL	TR154/TE154/T C154	
	2008 on	2.5L, 9.50"RG	33.6(1.32")	31	ALL	TR154/TE154/T C154		
		2016 on	2.4L, 9.50"RG	33.6(1.32")	31	ALL	TR154/TE154/T C154	
Triton, Pickup,L200	Front	ALL	IFS, 28 spline, 8.00" RG	28.8(1.13")	28	ALL	TR110 <sup>4</sup> /TE110T C110	
			IFS, 28 spline, 7.25" RG				28	ALL
		ALL	IFS, 25 spline, 7.25" RG	25	ALL	TR311		
	Rear	ALL	9.00" RG	30.5 (1.20")	28	ALL	TR212/TE212 /TC212	
		2002 on	9.50" RG	33.6(1.32")	31	ALL	TR154/TE154/T C154	
Jeep J44 ,J50, J55	Front	ALL	8 BOLT		10	3.73 & UP	TRIM-01	
						3.54 & DN	TRIM-02	
	Rear	ALL	10 BOLT	10 BOLT	10 BOLT	10	3.92 & UP	TRIM-10
							3.73 & DN	TRIM-11
							3.92 & UP	TRIM-12
							3.73 & DN	TRIM-13
Delica, L300, Starwagon	Front	All	IFS, 28 spline, 8.00" RG	28.8 (1.13")	28	ALL	TR110 <sup>4</sup> /TE110T C110	
			IFS, 28 spline, 7.25" RG				28	ALL
		ALL	IFS, 25 spline, 7.25" RG	25	ALL	TR311		
	Rear	ALL	8.00" 10 bolt RG	30.5 (1.20")	28	ALL	TR210/TE210/TC 210	
			9.00" 12 bolt RG	30.5 (1.20")	28	ALL	TR212/TE212 /TC212	
			9.50" 12 bolt RG	33.6 (1.32")	31	ALL	TR154/TE154/T C154	

<sup>1</sup> Small differential has a crown wheel inside diameter of 124mm.

<sup>2</sup> Large differential has a crown wheel inside diameter of 145mm.

<sup>3</sup> Will not fit 2.8L turbo diesel with intercooler or 3.5L petrol vehicles.

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

<sup>5</sup> 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, 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 <sup>3</sup> /TE202
	Rear	1986 on	H233B,31 spline, (6 cyl.)	32.0 (1.26")	31	ALL	<b>TR136<sup>2,3,4</sup>/TE136/ TC136</b>
			H233B,33 spline, 6 cyl	33.3 (1.31")	33	ALL	TR135 <sup>2,4</sup> /TE135 /TC135
	1986-97	C200,29 spline,(4 cyl)	30.4(1.20")	29	ALL	<b>TR202<sup>1,2,3</sup>/TE202</b>	
2002on	C200,31 spline	32.0(1.26")	31	ALL	TR201 <sup>2,3</sup>		
Navara, NP300, D23	Front	2015 on	R180A,10 bolt RG	30.8 (1.21")	30	3.69 & UP	TR230(DE)
			R180A,10 bolt RG	30.8 (1.21")	30	3.54 & DN	TR231/TE231
	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 <sup>7</sup>
			D40,M226,12 bolt RG (Thailand made)	35.8 (1.41")	32	ALL	TR159 <sup>7</sup>
Frontier D40, Xterra N50	Front	2005on	R180A,10 bolt RG	27.8(1.09")	27	3.69&UP	TR180
		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 <sup>7</sup>
		2005 on	D40,M226,12 bolt RG (Thailand made)	35.8 (1.41")	32	ALL	TR159 <sup>7</sup>
	2005 on	C200K	32.0 (1.26")	31	3.54 & UP	TBD	
		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 <sup>3</sup> /TE202
	Rear	1986-05	H233B,31 spline, (6 cyl)	32.0 (1.26")	31	ALL	<b>TR136<sup>2,3,4</sup>/TE136/ TC136</b>
			H233B,33 spline, (6 cyl)	33.3 (1.31")	33	ALL	TR135 <sup>2,3,4</sup> /TE135/T C135
	1986-97	C200,29 spline,(4 cyl)	30.4(1.20")	29	ALL	<b>TR202<sup>1,2,3</sup>/TE202</b>	
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
	Rear	2005 on	R230,33 spline,IRS	33.3(1.31")	33	3.54 & UP	TR137 <sup>6</sup> (DE)
			R230,33 spline,IRS	33.3(1.31")	33	3.36 & DN	DE <sup>6</sup>
Y62, Patrol,	Front	2010 on	C200K,34 SPL	34.8 (1.37")	34	ALL	TR228 <sup>5</sup>

Infinity QX55			C200K,31 SPL	32.0(1.26")	31	ALL	TR196 <sup>5</sup> (DE)
	Rear	2010 on	R248, 34 spline, IRS	34.8(1.37")	34	ALL	TR195 <sup>2</sup>
			R230,33 spline,IRS	33.3(1.31")	33	3.54 & UP	TR137 <sup>6</sup> (DE)
			R230,33 spline,IRS	33.3(1.31")	33	3.36 & DN	DE <sup>6</sup>
Y61, Patrol GU	Front	1998 on	H233B	32.0 (1.26")	31	ALL	TR136 <sup>3,4</sup> /TE136 /TC136
	Rear	1998 on	H233B 'small'	33.3 (1.31")	33	ALL	TR135 <sup>2,4</sup> /TE135 /TC135
		1998 on	H260 'large', 37 spline	38.4 (1.51")	37	ALL	TR215 <sup>2</sup> /TE215
			H260 'large', 34 spline,full-floating	34.8 (1.37")	34	ALL	TR214 <sup>2</sup>
Y60, Patrol GQ	Front	1988-98	H233B,31 SPL	32.0 (1.26")	31	ALL	TR136 <sup>3,4</sup> /TE136 /TC136
	Rear	1988-98	H233B,33 SPL	33.3 (1.31")	33	ALL	TR135 <sup>2,4</sup> /TE135 /TC135
		1988-98	H260, leaf sprung cab chassis&utility	38.4 (1.51")	37	ALL	TR215 <sup>2</sup> /TE215
			H260 'large', 34 spline, full-floating	34.8 (1.37")	34	ALL	TR214 <sup>2</sup>
160,Patrol MQ	Front	1979-88	C200	30.4(1.20")	29	ALL	TR202 <sup>3</sup> /TE202
	Rear <sup>2</sup>	1979-88	C200	30.4(1.20")	29	ALL	TR202 <sup>3</sup> /TE202
		1979-88	H233	32.0(1.26")	31	ALL	TR134
		1979-88	H260	38.4 (1.51")	37	ALL	TR215/TE215
Terrano II Wagon	Front	ALL	TBD	TBD	TBD	TBD	TBD
	Rear	1997 on	H233B	32.0 (1.26")	31	ALL	TR136 <sup>2,3,4</sup> /TE136/ TC136
		2003on	H233B	33.3 (1.31")	33	ALL	TR135 <sup>2,4</sup> /TE135 /TC135
Titan	Front	2004 on	M205	32.8 (1.29")	30	ALL	TR224
		2016-19	AAM 9.25	34.8 (1.37")	33	All	TR254(DE)
	Rear	2004-09	M226,32 spline	35.8 (1.41")	32	ALL	TR149
		2009 on	TBD	TBD	TBD	TBD	TBD
Armada	Front	2004 on	M205	32.8 (1.29")	30	ALL	TR224
	Rear	2004 on	R230,33 spline,IRS	33.3 (1.31")	33	3.54 & UP	TR137 <sup>6</sup> (DE)
			R230,33 spline,IRS	33.3 (1.31")	33	3.36 & DN	DE <sup>6</sup>

<sup>1</sup> Only suitable for differentials with 12mm crown wheel bolts.

<sup>2</sup> Refer to dealer or check spline count to determine axle type.

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

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

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

<sup>6</sup> TR137 does not suit ratio up to 3.36:1 due to RG offset.

<sup>7</sup> 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 <sup>1</sup> /TE127
	Rear		All models		24	ALL	TR126 (DE)
PS300	Front		10 bolt RG (Suzuki Vitara type)	27.4 (1.08")	26	ALL	TR208/TE208/T C208
	Rear		12 bolt RG	27.4 (1.08")	26	ALL	DE <sup>2</sup>
PS350	Front		10 bolt RG (Suzuki Vitara type)	27.4 (1.08")	26	ALL	TR208 <sup>2</sup> /TE208/ TC208
	Rear		12 bolt RG	27.4 (1.08")	26	ALL	DE <sup>2</sup>

<sup>1</sup> Requires ring gear spacer (TRE part # TR03A) ordered separately.

<sup>2</sup> 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 <sup>1</sup> /TE116
		1996 on	Dana 44, automatic	33.3 (1.31")	30	3.73	TR117 <sup>1</sup> /TE117/T C117

<sup>1</sup> 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 <sup>5</sup> /TE206/ TC206	
Holden Drover		1998-03	Jimny model with 8 bolt RG	23.9(0.94")	22	ALL	TR207 <sup>2,5</sup> /TE207/ TC207	
Maranti Gypsy		1984-98	Leaf spring suspension 10 bolt RG	23.9(0.94")	22	ALL	TR205 <sup>5</sup> /TE205/ TC205	
	Rear	1984 on	1.3 litre models only 10 bolt RG	27.4(1.08")	26	ALL	TR208/TE208/T C208	
Vitara/Sidekick	Front	1988-1998	26 spline 10 bolt RG	27.4(1.08")	26	ALL	TR208/TE208/T C208	
XL7/Grand Vitara			22 spline 10 bolt RG	23.9 (0.94")	22	ALL	TR205 <sup>5</sup> /TE205/ TC205	
			2006-12	26 spline 12 bolt RG		26	ALL	TR308
		1998-05	26 spline ADD	27.4 (1.08")	26	ALL	DE <sup>3</sup>	
		Rear	1988-93	Suzuki 10 bolt RG	27.4(1.08")	26	ALL	TR204 <sup>1</sup> /TE204/ TC204
			1993-00	Suzuki 12 bolt RG(excl. Grand Vitara)	27.4(1.08")	26	ALL	TR209 <sup>1</sup> /TE209/ TC209
			2006-12	28 spline 12 bolt RG		28	ALL	TR307
	1998-05		26 spline	27.4 (1.08")	26	ALL	DE <sup>4</sup>	

Jimny (Japan only) (JA11, JA12)	Front	1990-95	JA11, 660cc turbocharged engines ONLY	23.9 (0.94")	22	ALL	TR207 <sup>2,5</sup> /TE207/TC207
	Rear	1990-98	JA11&JA12, 660cc turbocharged engines	27.4(1.08")	26	ALL	TR208/TE208/TC208

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

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

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

<sup>4</sup> 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.

<sup>5</sup> The Spline could be modified from 22 to 26 if the customer strengthened the axle.

## 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	DE TR152/TE152/TC152
LandCruiser 71, 76, 78, 79, 100 & 105 Series, Lexus LX470	Front	1998 on	8 dia. RG, IFS, 50mm bearing ID	33 (1.31")	30	All	TR131/TE131 TR132/TE132/TC132
		1998 on	Live axle suspension	33 (1.31")	30	All	TR152/TE152/TC152
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/TE90
		2003on	8" dia. RG, IFS clamshell, 53mm BRNG	33 (1.31")	30	3.91&UP 3.73&DN	TR111 <sup>3</sup> /TE111/TC111 TR121 <sup>3</sup> /TE121/TC121
	Rear	1996 on	8" dia. RG, 10 bolt	33 (1.31")	30	All	TR132/TE132/TC132
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 <sup>1</sup> /TE142/TC142
		1990-97	10 bolt, full floating	33 (1.31")	30	All	TR132/TE132/TC132
	Rear	1969-76	12 bolt, semi floating, 45mm bearing ID	33 (1.31")	30	All	TR153 <sup>1</sup>
		1977-89	12 bolt, full floating, 45mm bearing ID	33 (1.31")	30	All	TR142 <sup>1</sup> /TE142/TC142
		1990-97	12 bolt, full floating, 50mm bearing ID	33 (1.31")	30	All	TR142/TE142/TC142
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	TR162	
					4.10&DN	TR163	
Bundera, LandCruiser II, LJ70, RJ70	Front	ALL	10 bolt	33(1.31")	30 ALL	TR132 <sup>1</sup> /TE132/TC132	
	Rear	to 1985	10 bolt, 45mm bearing ID	33(1.31")	30 ALL	TR132 <sup>1</sup> /TE132/TC132	
		1986 0n	10 bolt, 50mm bearing ID	33(1.31")	30 ALL	TR132/TC132	
4Runner, LN61, YN63	Front	ALL	10 bolt, live axle	33(1.31")	30 ALL	TR132 <sup>1</sup> /TE132/TC132	
		To 2003	7.5" dia. RG, 10bolt, IFS	28(1.1")	27 ALL	TR90/TE90 <sup>2</sup>	
		2003 on	8" dia. RG IFS clamshell, 53mm BRNG	33(1.31")	30	3.91&UP	TR111 <sup>3</sup> /TE111/TC111
						3.73&DN	TR121 <sup>3</sup> /TE121/TC121
	Rear	1984-88	4 cylinder, 45mm bearing ID	33(1.31")	30 ALL	TR132 <sup>1</sup> /TE132/TC132	
		1988-10	V6, 4WD, 50mm bearing ID	33(1.31")	30 ALL	TR132/TC132	
		1988-10	V6, 2WD, 45mm bearing ID	33(1.31")	30 ALL	TR132 <sup>1</sup> /TE132/TC132	
		2010 on	8.25" dia. RG, 12 bolt (shimmed)	33 (1.31")	30 ALL	TR193/TE193/T C193	
T100, Tacoma	Front	2005 on	8" dia. RG IFS clamshell, 53mm BRNG	33 (1.31")	30	TR111 <sup>3</sup> /TE111/TC111	
						3.73&DN	TR121 <sup>3</sup> /TE121/TC121
		To 2004	7.5" dia. RG, 10bolt, IFS	28(1.1")	27 ALL	TR90/TE90	
	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/TE132/T C132	
8.9" dia RG, all manuals & all OE Locker Equipped	34.8 (1.37")					32 ALL	TR232
Tundra	Front	To 2006	7.5" dia. RG, 10bolt, IFS	28(1.1")	27 ALL	TR90/TE90	
		2007on	All models	34.8(1.37")	34 All	TR151 <sup>6</sup>	
	Rear	To 2006	8.4" dia. RG, 12 bolt	33 (1.31")	30 ALL	TR129	
		2007 on	9.5" dia. RG, 12 bolt	35(1.38")	32 All	Tr152	
	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/TE90	
		2007on	All models	34.8(1.37")	34 All	TR151 <sup>6</sup>	
	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	TR111 <sup>3</sup> /TE111/TC111	
			BRNG			3.73&DN	TR121 <sup>3</sup> /TE121/TC121
	Rear	2006-09	8" non-factory locker model	33 (1.31")	30 All	TR132/TE132/T C132	
	2010 on	8.15" dia. RG, non-factory locker model	33 (1.31")	30 All	TR193/TE193/T C193		

HiLux, Pickup	Front	ALL	10 bolt, live axle	33(1.31")	30 ALL	TR132 <sup>1</sup> /TE132/TC132
Hiace,Fortuner		To 2005	7.5"dia.RG,10bolt, IFS	28(1.1")	27 ALL	TR90/TE90 <sup>2</sup>
		2005 on	8" dia. RG IFS clamshell, 53mm BRNG	33(1.31")	30 3.91&UP 3.73&DN	TR111 <sup>3</sup> /TE111/ TC111 TR121 <sup>3</sup> /TE121/ TC121
	Rear	To-1988	4 cylinder, 45mm bearing ID	33(1.31")	30 ALL	TR132 <sup>1</sup> /TE132/ TC132
	1988- 05	All models, 50mm bearing ID	33(1.31")	30 ALL	TR132	
	2005-15	Adjuster nut models, 50 or 53mm bearing ID Dana Spicer shim adjusted models.	33(1.31")	30 ALL	/TE132/TC132 TR132 <sup>4</sup> /TE132/ TC132	
		2015 on	8.9" dia. RG, 12 bolt (shimmed)	34.8 (1.37")	32 ALL	TR232
Dyna 150	Rear		TBD 10.5",34 SPL	34.8 (1.37")	34 ALL	TR183 (DE)

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

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

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

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

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

<sup>6</sup> 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 <sup>1</sup>
	Rear	2010 on		33.3 (1.31")	30		TR198 (DE)

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

## Air Compressors

Description	Voltage	Performance @ 0 Bar [ 0 PSI ]			Duty Cycle 22°C [72°F]	TRE
		LPM	CFM	Amps		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	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
Dana 44	3.92 & UP		33	34.8 (1.37")	24/48 DP	45°	TR113(DE)
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 <sup>1</sup> (DE)
Ford 9" COMPETITION	ALL	ALL Does not suit OE third member	35	38.1 (1.50")	24/48 DP	30°	TR99CE <sup>1</sup> (DE)
Dana 60	4.56 & UP		40	43.2 (1.70")	24/48 DP	45°	TR188
Dana 60	4.10 & DN		40	43.2 (1.70")	24/48 DP	45°	TR189
Dana 70/Dana 80	xxx & UP	'Low Speed Carrier'	37	40.6 (1.60")	24/48 DP	45°	TR174
Dana 70/Dana 80	xxx & DN	'High Speed Carrier'	37	40.6 (1.60")	24/48 DP	45°	TR175
Dana 70/Dana 80	xxx & UP	'Low Speed Carrier'	40	43.2 (1.70")	24/48 DP	45°	TR176
Dana 70/Dana 80	xxx & DN	'High Speed Carrier'	40	43.2 (1.70")	24/48 DP	45°	TR177
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.

<sup>1</sup> 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/TE90	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/TE100/TC100	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/TE101/TC101	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/TE110/TC110	Mitsubishi IFS,28 SPL	28	All	
TR111/TE111/TC111	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/TE116/TC116	Dana 44,30 SPL,3.92 & UP	30	3.92& UP	TR06
TR117/TE117/TC117	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/TE121/TC121	Toyota 8" IFS,53mm BRNG	30	3.73&DN	
TR123 (DE)	Mazda,RR,shim adjusted	30	All	
TR127/TE127	Land Rover,10 SPL,Banjo	10	3.54	
TR128/TE128/TC128	Land Rover,24 SPL,Banjo	24	All	TR56

TR129	Toyota Tacoma,RR	30	ALL	TR89
TR131/TE131	Toyota 8"IFS,50mm BRNG	30	All	TR92
TR132/TE132/TC132	Toyota 8",50mm BRNG	30	All	TR01,TR23
TR133(DE)	Toyota 8",RR,shim adjusted	30	All	
TR134	Nissan H233,31 SPL	31	All	TR04
TR135/TE135/TC135	Nissan H233B,33 SPL	33	All	TR17,TR24
TR136/TE136/TC136	Nissan H233B,31 SPL	31	All	TR09,TR78,TR78A
TR137 (DE)	Nissan Pathfinder R51,33 SPL,RR	33	3.54 & UP	
TR138/TE138	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/TE142/TC142	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	Nissan M226,32 SPL,10 bolt RG	32	All	
TR150 (DE)	Ford 9.75",34 SPL	34	All	
TR151	All models	34	All	
TR152/TE152/TC152	Toyota 9.5",32SPL	32	All	
TR153	Toyota 8.9",C-clip,50mm BRNG	30	All	TR08,TR124
TR154/TE154/TC154	Mitsubishi 9.5",31 SPL,LIVE AXLE	31	All	
TR155/TE155	Mitsubishi 9.5",33 SPL,IRS	33	All	
TR156/TE156/TC156	Hyundai 9.5",34 SPL,LIVE AXLE	34	All	
TR157/TC157	Jeep JK Rubicon,35 SPL	35	All	
TR158 (DE)	Dana 50,30 SPL	30	All	
TR159	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	Dana 70/80,32 SPL,LOW SPEED	32	xxx & UP	TR97
TR171	Dana 70/80,32 SPL,HIGH SPEED	32	xxx & DN	TR98
TR172	Dana 70/80,35 SPL,LOW SPEED	35	xxx & UP	TR53, TR65
TR173	Dana 70/80,35 SPL,HIGH SPEED	35	xxx & DN	TR54, TR66,TR80
TR174	Dana 70/80,37 SPL,LOW SPEED	37	xxx & UP	TR115
TR175	Dana 70/80,37 SPL,HIGH SPEED	37	xxx & DN	TR91
TR176	Dana 70/80,40 SPL,LOW SPEED	40	xxx & UP	
TR177	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	Dana 60XHD,40 SPL,4.56 & UP	40	4.56 & UP	
TR189	Dana 60XHD,40 SPL,4.10 & DN	40	4.10 & DN	
TR193/TE193/TC193	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/TE202	Nissan C200/R200A,29 SPL	29	All	TR27,TR107
TR203	Isuzu IFS,17 SPL	17	All	TR94
TR204/TE204/TC204	Suzuki Vitara,RR,26 SPL,10 bolt RG	26	All	TR74
TR205/TE205/TC205	Suzuki,FR,22 SPL,10 bolt RG	22	All	TR73,TR75
TR206/TE206/TC206	Suzuki Jimny,FR,22 SPL,10 bolt RG	22	All	TR118
TR207/TE207/TC207	Suzuki Jimny,FR,22 SPL,8 bolt RG	22	All	TR77,TR87
TR208/TE208/TC208	Suzuki,26 SPL,10 bolt RG	26	All	TR72,TR88
TR209/TE209/TC209	Suzuki Vitara,RR,26 SPL,12 bolt RG	26	All	TR79

TR210/TE210/TC210	Mitsubishi 8",RR,28 SPL	28	All	TR05
TR212/TE212/TC212	Mitsubishi 9",RR,28 SPL	28	All	TR46
TR213/TE213/TC213	Isuzu,RR,26 SPL	26	All	TR44
TR214	Nissan H260,34 SPL	34	All	TR144
TR215/TE215	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	GM 8.5"/10 Bolt/AAM 860,28 SPL	28	All	TR83 (DE)
TR222	GM 8.5"/10 Bolt/AAM 860,30 SPL	30	All	
TR223 (DE)	Ranger/BT50 IFS, 30 SPL	30	All	
TR224	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/TE231	R180A,30 SPL,10 bolt RG,3.54&DN	30	3.54 & DN	
TR232	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	
TR244	Dana M200, Jeep JL Sport RR	29	All	
TR245(DE)	Dana M220, Jeep JL Sahara, 32 SPL, RR	32	All	
TR246(DE)	Dana M210/M220, Jeep JL Rubicon, 35 SPL	35	All	
TR253(DE)	Toyota 9.5",32 SPL, OE locker replacement	32	All	
TR254(DE)	AAM 925/950,33 SPL LOW SPD	33	All	
TR260()	Isuzu IFS,29 SPL	29	All	
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	

TR309	IFS, 28 spline, 7.25"RG,	28	All
TR310	Dana 30, 27 SPL, 3.55-3.72		
TR311	IFS,25 spline,7.25"RG,	25	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:

'TR' refers to the locker is air locker.

'TE' refers to the locker is electric locker.

'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

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