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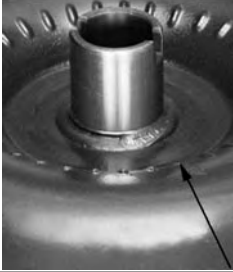
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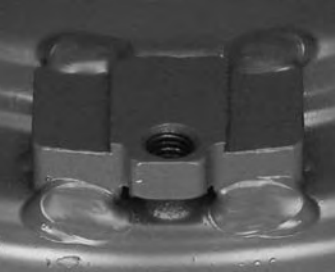
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## General Motors





GM

			
<b>4T80E Non Viscous</b> GM84 (Note the angle of the line)	<b>4T80E Viscous</b> GM86 (Note the angle of the line)	<b>Allison 1000 OE Lid</b> A7 (Replaced by A7X)	<b>Allison 1000 Billet Lid</b> A7X (Replaces A7)


			<p>GM identifies many of their units as 245 mm, 258 mm, 298 mm, 300 mm, etc. This is NOT the outer diameter of the converter! This is the internal measurement of the impeller which cannot be measured without cutting the unit open.</p>
<b>Cooling Shroud</b>	<b>Hub - Flanged</b>	<b>Hub - Non Flanged</b>	
			<p><b>MM Info - 298 etc</b> Outer Diameter of the Impeller</p>

			
<b>Turbine</b>	<b>Pad - GM 245 mm Rwd</b>	<b>Pad - GM 245 mm Fwd</b> (Exc 245 mm Fwd Viscous Clutch)	<b>Pad - GM 258 mm Fwd</b> (Also 245 mm Fwd Viscous Clutch)

			
<b>Pad - GM 280 &amp; 300 mm Rwd</b>	<b>Pad - GM 298 mm RWD Rectangular</b>	<b>Pad - GM 298 mm RWD Round</b>	<b>Shaft - 245 mm Rwd</b>

			
<b>Shaft - 280 &amp; 300 mm Rwd</b>	<b>Shaft - 298 mm (27 Spline)</b>	<b>Shaft - 298 mm (30 Spline)</b>	<b>Sticker - Fwd (FLTV)</b>

## 200 Non Lock Up

Ref: GM-203	200 Non Lock Up, 10"		
GM10	1976-82 Chevette 4 Cylinder		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 10"	Input Splines: 27	
	Bolt Circle: 9.8"	Uses Nuts & Bolts	
Mounting: 3 Pads	Pilot Dia: 1.085"		

Ref: GM-204	200 Non Lock Up, 11"		
GM12	1976-82 4 Cylinder (Except Chevette)		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 11"	Input Splines: 27	
	Bolt Circle: 10"	Uses Nuts & Bolts	
Mounting: 3 Pads	Pilot Dia: 1.085"		

Ref: GM-200	200 Non Lock Up, 12.75"		
GM9	1976-78 Chevrolet 6 & 8 Cylinder		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 12.75"	Input Splines: 27	
	Bolt Circle: 11"	Uses Nuts & Bolts	
Mounting: 3 Pads	Pilot Dia: 1.703"		


Ref: GM-201	200 Non Lock Up, 12.75"		
GM11	1976-78 Chevrolet 6 & 8 Cylinder		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 12.75"	Input Splines: 27	
	Bolt Circle: 11"	Uses Only Bolts	
Mounting: 3 Pads	Pilot Dia: 1.703"		

## 325 Non Lock Up


Ref: BU-3	325 Non Lock Up, 13" (Low Stall)		
GM3	3 Rows of Ribs		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 13"	Input Splines: 30	
	Bolt Circle: 11.5"	Appr Stall: 1350-1500	
Mounting: 3 Pads	Pilot Dia: 1.703"		

Ref: BU-5HD	325 Non Lock Up, 13" (High Stall)		
GM3H	2 Rows of Ribs		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 13"	Input Splines: 30	
	Bolt Circle: 11.5"	Appr Stall: 1750-2000	
Mounting: 3 Pads	Pilot Dia: 1.703"		


200C Lock Up (245 mm, 10.2")		
Ref: BU-23MSHD	200C Lock Up, 10.2"	
<b>GM58HD</b>	Codes: HD, HE, HJ Built with Flanged Hub	
	Type: Lock Up	Hub: Slotted
	Diameter: 10.2"	Input Splines: 27
	Bolt Circle: 9.8"	Appr Stall: 1850-2050
	Mounting: 3 Pads	Pilot Dia: .825"
		


200C Lock Up, 10.2"		
Ref: BU-23HSHD	200C Lock Up, 10.2"	
<b>GM61HD</b>	Codes: HA, HB, HK, HZ Built with Flanged Hub	
	Type: Lock Up	Hub: Slotted
	Diameter: 10.2"	Input Splines: 27
	Bolt Circle: 9.8"	Appr Stall: 2350-2750
	Mounting: 3 Pads	Pilot Dia: .825"
		

200C Lock Up, 200-4R, 325-4L (298 mm)		
298 mm, 3 Pads		
<b>3 Pad Family</b>	200C, 200-4R, 325-4L	
	Type: Lock Up	Hub: Slotted
	Diameter: 12.5"	Input Splines: 27
	Bolt Circle: 10.7"	Same Fin Angles
	3 Round or Rect. Pads	Pilot Dia: 1.703"
<b>GM15AL</b>	Ref: BU-15LS	Low Stall, Codes CG, CK (Most Trucks, Vans & Some Diesels) (See also GM19)
<b>GM15</b>	Ref: BU-15MS	Medium Stall, Codes CE, CF (Exc CF9C) (Most Passenger Cars) (See also GM15S)
<b>GM15S</b>	Ref: BU-19SO	Medium Stall, Codes CE, CF (Exc CF9C) (4.1L, 4.5L DFI Cadillac) (Static Open Valves)
<b>GM15AH</b>	Ref: BU-15HS	High Stall, Codes CB, CF9C (Most Turbos, Corvettes, Camaros etc)
<b>GM15-HP</b>	Ref: HP-BU15	High Stall, High Performance, Codes CB (Stall 2100-2400) (w/ Flanged Hub)
<b>GM19</b>	Ref: BU-19	Poppet Valve, Codes 1R6, 1R7 (Some Diesels)
<b>GM15ALF</b>	Ref: EC-BU15	Brazed GM15AL with Rectangular Pads (Replaces the GM23, 6 Pad, 27 Spline)
<b>GM15AF</b>	Ref: BU-15HD	Brazed GM15 with Rectangular Pads
<b>GM150L</b>	Ref: BU-15LS-LC	To Omit Clutch (Dummy Lock Up GM15AL) (See Disclaimer page 197)
<b>GM150</b>	Ref: BU-15MS-LC	To Omit Clutch (Dummy Lock Up GM15) (See Disclaimer page 197)
<b>GM150H</b>	Ref: BU-15HS-LC	To Omit Clutch (Dummy Lock Up GM15AH) (See Disclaimer page 197)
		

298 mm, 6 Pads		
<b>6 Pad Family</b>	200C, 200-4R, 325-4L Can be Replaced with GM15ALF	
	Type: Lock Up	Hub: Slotted
	Diameter: 12.5"	Input Splines: 27
	Bolt Circle: 10.7"	Can Use GM15AF
	6 Round or Rect. Pads	Pilot Dia: 1.703"
<b>GM23</b>	Ref: BU-26HD	Low Stall, Codes CG, CK (Diesel Trucks & Vans) (Can be replaced with GM15ALF, 3 Rectangular Pads)
		


## 350, 250 Non Lock Up

		12.5" Buick, Pontiac, Olds (BPO)				
<b>GM1A Family</b>	<b>1969-79 BPO</b>		<b>Uses Only a Bolt.</b>			
	Type: Non Lock Up	Hub: Slotted				
	Diameter: 12.5"	Input Splines: 30				
	Bolt Circle: 10.7"	Appr Stall: 1400-1600				
	Mounting: 3 Pads	Pilot Dia: 1.703"				
<b>GM1A</b>	<b>Ref: BU-1A</b>	Stock Buick, Pontiac & Olds (Uses Only a Bolt)				
<b>GM1AHD</b>	<b>Ref: BU-1AHD</b>	Heavy Duty BPO with Pinned Stator, Welded Pads & Welded Primary				

		12.5" Chevrolet				
<b>GM350 Family</b>	<b>1969-79 Chevy</b>		<b>Uses a Nut and a Bolt.</b>			
	Type: Non Lock Up	Hub: Slotted				
	Diameter: 12.5"	Input Splines: 30				
	Bolt Circle: 10.7"	Appr Stall: 1400-1600				
	Mounting: 3 Pads	Pilot Dia: 1.703"				
<b>GM350</b>	<b>Ref: TH-350</b>	Stock Chevrolet (Uses a Nut & a Bolt)				
<b>GM350F</b>	<b>Ref: TH-350HD</b>	Heavy Duty Chevy with Welded Pads & Welded Primary				
<b>GM350HP-12</b>	<b>Ref: HP-350-12</b>	1800-2200 Stall Converter				
<b>GM350HP-11</b>	<b>Ref: HP-350-11</b>	2200-2600 Stall Converter				


Ref: BU-3		13" TH 400 Style				
<b>GM3</b>	<b>3 Rows of Ribs</b>					
	Type: Non Lock Up	Hub: Slotted				
	Diameter: 13"	Input Splines: 30				
	Bolt Circle: 11.5"	Appr Stall: 1300-1500				
	Mounting: 3 Pads	Pilot Dia: 1.703"				


Ref: BU-8		12.5" 6 Pads				
<b>GM8</b>	<b>Checker Cab</b>					
	Type: Non Lock Up	Hub: Slotted				
	Diameter: 12.5"	Input Splines: 30				
	Bolt Circle: 10.7"	Appr Stall: 1400-1600				
	Mounting: 6 Pads	Pilot Dia: 1.703"				

		w/ Cooling Shrouds				
<b>w/ Cooling Shrouds</b>	<b>1972-77 Monza, Sunbird, Vega</b>					
	Type: Non Lock Up	Hub: Slotted				
	Dia: 10.75" or 11.75"	Input Splines: 30				
	Bolt Circle: 10.5"	w/ Shrouds				
	Mounting: 3 Pads	Pilot Dia: 1.703"				
<b>PG10</b>	<b>Ref: GT-350</b>	10.75" w/ Cooling Shroud (Approx. Stall: 2200-2400)				
<b>PG11</b>	<b>Ref: N/A</b>	11.75" w/ Cooling Shroud (Approx. Stall: 1600-1800)				

### 350C, 250C Lock Up (298 mm)

<b>Ref: BU-16LS</b>	<b>Low Stall</b>		
<b>GM16AL</b>	<b>Codes: BG, L7, M7, P6</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 30	
	Bolt Circle: 10.7"	Appr Stall: 1400-1600	
	3 Round or Rect. Pads	Pilot Dia: 1.703"	

<b>Ref: BU-16MS</b>	<b>Medium Stall</b>		
<b>GM16</b>	<b>Codes: BE, BF</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 30	
	Bolt Circle: 10.7"	Appr Stall: 1600-1800	
	3 Round or Rect. Pads	Pilot Dia: 1.703"	

<b>Ref: BU-16HS</b>	<b>High Stall</b>		
<b>GM16AH</b>	<b>Codes: BB</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 30	
	Bolt Circle: 10.7"	Appr Stall: 1800-2000	
	3 Round or Rect. Pads	Pilot Dia: 1.703"	


<b>Ref: BU-16HD</b>	<b>Low Stall Brazed</b>		
<b>GM16AF</b>	<b>Codes: BG, L7, M7, P6</b>		
	<b>Replaces the 6 Pad</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 30	
	Bolt Circle: 10.7"	Appr Stall: 1400-1600	
3 Rectangular Pads	Pilot Dia: 1.703"		

<b>Ref: BU-20</b>	<b>Poppet Valve</b>		
<b>GM20</b>	<b>Stamped 1R6 or 1R7</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 30	
	Bolt Circle: 10.7"	Appr Stall: 1400-1600	
	3 Round or Rect. Pads	Pilot Dia: 1.703"	


<b>Ref: BU-16MS-LC</b>	<b>Medium Stall</b>		
<b>GM160</b>	<b>Codes: BE, BF</b>		
	<b>To Omit Clutch (See Disclaimer page 197)</b>		
	Type: Clutch Omitted	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 30	
	Bolt Circle: 10.7"	Appr Stall: 1600-1800	
3 Round or Rect. Pads	Pilot Dia: 1.703"		

**180, 3L30 Non Lock Up**

Ref: OP-3	<b>180, 3L30 Non Lock Up</b>		
<b>GM13</b>	<b>1977-80 Chevette, T1000 1.6L</b>		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 9.5"	Input Splines: 22	
	Bolt Circle: 9.75"	Nut is Welded to Pad	
	Mounting: 3 Pads	Pilot Dia: 1.062"	

Ref: BU-17	<b>180, 3L30 Non Lock Up</b>		
<b>GM17</b>	<b>Code SAO</b>		
	<b>1980-82 Chevette, T1000 1.6L</b>		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 10"	Input Splines: 27	
	Bolt Circle: 9.75"	Uses Bolts	
	Mounting: 3 Pads	Pilot Dia: .825"	

**180C, 3L30 Lock Up**

<b>To ID the 180 Pads</b>				
	<b>GM17 Pads (180)</b>	<b>GM25 Pads (180C)</b>	<b>GM83 Pads</b>	<b>GM85 Pads</b>

Ref: BU-25	<b>180C Lock Up</b>		
<b>GM25</b>	<b>Code SA1</b>		
	<b>1981-85 Chevette 1.6L</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 10"	Input Splines: 27	
	Bolt Circle: 9.75"	Pilot: 1" long	
	3 Pads, .565" Tall	Pilot Dia: .825"	

Ref: BU-39	<b>180C Lock Up</b>		
<b>GM83</b>	<b>Codes: SP, 9612140, 96012117</b>		
	<b>Suzuki Sidekick, Geo Tracker 1.6L</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 10"	Input Splines: 27	
	Bolt Circle: 8.188"	Pilot: 1" long	
	3 Pads, .715" Tall	Pilot Dia: .825"	

Ref: BU-41	<b>180C Lock Up</b>		
<b>GM85</b>	<b>Codes: SF</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 10"	Input Splines: 27	
	Bolt Circle: 9.75"	Pilot: 1" long	
	3 Pads, .925" Tall	Pilot Dia: .825"	



### 4L30E (1.874" Diameter Hub)

Ref: BU-38	<b>4L30E</b>		
<b>GM24</b>	<b>Codes: SE, SF, SJ</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 10"	Input Splines: 27	
	Bolt Circle: 9.375"	Pilot: 1.55" long	
	3 Pads, 1.4" Tall	Pilot Dia: .825"	

Ref: BU-38-6	<b>4L30E (Low Stall) (PWM)</b>		
<b>GM24-6</b>	<b>Isuzu</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 10"	Input Splines: 27	
	Bolt Circle: 9"	Pilot: 1.55" long	
	6 Pads, 1" Tall	Pilot Dia: .825"	

Ref: BU-38-6HS	<b>4L30E (High Stall) (PWM)</b>		
<b>GM24-6H</b>	<b>Isuzu, Code: 2421 0708</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 10"	Input Splines: 27	
	Bolt Circle: 9"	Pilot: 1.55" long	
	6 Pads, 1" Tall	Pilot Dia: .825"	


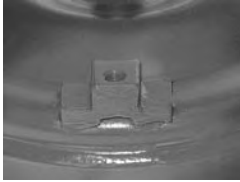
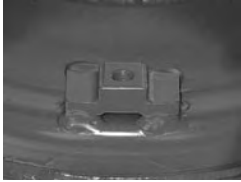

Ref: BM-30LS	<b>4L30E (Low Stall)</b>		
<b>BMW29LS</b>	<b>Codes: 2420 0343, 2421 0707</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 10.1"	Input Splines: 27	
	Bolt Circle: 9.200"	Pilot: 1.14" long	
	3 Pads, .930" Tall	Pilot Dia: 1.257"	


Ref: BM-30	<b>4L30E (High Stall)</b>		
<b>BMW29</b>	<b>Codes: SE9S, SJ9S, 9604 1177, 8678197</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 10.1"	Input Splines: 27	
	Bolt Circle: 9.200"	Pilot: 1.14" long	
	3 Pads, .930" Tall	Pilot Dia: 1.257"	


<b>4L30E (PWM)</b>			
<b>GM87 Family</b>	<b>Codes: 2421 0869 (GM87C), 2421 1228 (GM87CW)</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 10.2"	Input Splines: 27	
	Bolt Circle: 9.75"	Pilot: 1.03" long	
	6 Pads, .900" Tall	Pilot Dia: .825"	


<b>GM87</b>	<b>Ref: BU-41-6</b>	Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction Material)
<b>GM87CW</b>	<b>Ref: BU-41-6CW</b>	Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)

**700-R4, 4L60, 4L60E (245 mm, 10.2")**

<b>ID 245 mm &amp; 280 mm</b>	 245 mm Input Shaft		
	 280 mm Input Shaft	<b>245 mm Pads</b>	<b>280 mm Pads</b>




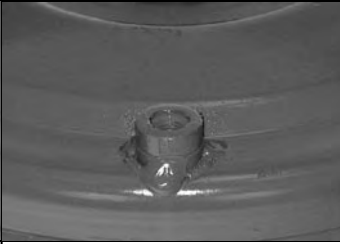
<b>245 mm (Low Stall)</b>			
<b>GM59 Family Low Stall</b>	<b>Codes: HY</b>		
	<b>Built with Flanged Hubs</b>		
	Type: Lock Up		Hub: Slotted
	Diameter: 10.2"		Input Splines: 27
	Bolt Circle: 9.8"		Low Stall
Mounting: 3 Pads	Pilot Dia: .825"		
<b>GM59CHD</b>	<b>Ref: BU-33LSHD</b>	Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction Material)	
<b>GM59CWHD</b>	<b>Ref: BU-61LS</b>	Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	


<b>245 mm, 10.2" (Medium Stall)</b>			
<b>GM58 Family Medium Stall</b>	<b>Codes: HD, HE, HJ</b>		
	<b>Built with Flanged Hubs</b>		
	Type: Lock Up		Hub: Slotted
	Diameter: 10.2"		Input Splines: 27
	Bolt Circle: 9.8"		Replaces GM60 Family
Mounting: 3 Pads	Pilot Dia: .825"		
<b>GM58HD</b>	<b>Ref: BU-23MSHD</b>	Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM58CHD</b>	<b>Ref: BU-33MSHD</b>	Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction Material)	
<b>GM58CWHD</b>	<b>Ref: BU-61MS</b>	Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	


<b>245 mm, 10.2" (High Stall)</b>			
<b>GM61 Family High Stall</b>	<b>Codes: HA, HB, HK, HZ</b>		
	<b>Built with Flanged Hubs</b>		
	Type: Lock Up		Hub: Slotted
	Diameter: 10.2"		Input Splines: 27
	Bolt Circle: 9.8"		Replaces GM62 Family
Mounting: 3 Pads	Pilot Dia: .825"		
<b>GM61HD</b>	<b>Ref: BU-23HSHD</b>	Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM61CHD</b>	<b>Ref: BU-33HSHD</b>	Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction Material)	
<b>GM61CWHD</b>	<b>Ref: BU-61HS</b>	Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	


**4L60E, 4L65E (280 mm) (See also 298 mm, 300 mm)**

<b>Ref: BU-51</b>	<b>280mm</b>		
<b>GM55</b>	<b>Codes: VJCX</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 12"	Input Splines: 30	
	Bolt Circle: 11"	Pilot: 1.14" long	
Mounting: 3 Pads	Pilot Dia: 1.703"		

700-R4, 4L60, 4L60E, 4L65E (298 mm)			
	<b>To ID 298 mm Units</b>		
<b>298 mm Family</b>	 27 Splines on Input Shaft		
	 30 Splines on Input Shaft		

298 mm, Low Stall			
<b>Low Stall (Gas)</b>	<b>Codes: CG, CK, DG, DH, DK (Most Trucks, Vans &amp; Some Diesels)</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 27 or 30	
	Bolt Circle: 10.7"	Appr Stall: 1400-1600	
	3 Round or Rect. Pads	Pilot Dia: 1.703"	
<b>GM15AL</b>	<b>Ref: BU-15LS</b>	82-E84, 27 Splines, Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM15ALF</b>	<b>Ref: EC-BU15</b>	82-E84, 27 Splines, (Brazed) Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM18AL</b>	<b>Ref: BU-18LS</b>	L84-94, 30 Splines, Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM18ALF</b>	<b>Ref: EC-BU18</b>	L84-94, 30 Splines, (Brazed) Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM33</b>	<b>Ref: BU-24LS</b>	94-97, 30 Splines, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)	
<b>GM33CW</b>	<b>Ref: BU-60LS</b>	97-Up, 30 Splines, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	

298 mm, Medium Stall			
<b>Medium Stall Exc. DC Code (Gas)</b>	<b>Codes: CE, CF, DF, DL (Most Passenger Cars)</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 27 or 30	
	Bolt Circle: 10.7"	Appr Stall: 1600-1800	
	3 Round or Rect. Pads	Pilot Dia: 1.703"	
<b>GM15</b>	<b>Ref: BU-15MS</b>	82-E84, 27 Splines, Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM15AF</b>	<b>Ref: BU-15HD</b>	82-E84, 27 Splines, (Brazed) Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM18A</b>	<b>Ref: BU-18MS</b>	L84-94, 30 Splines, Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM18AF</b>	<b>Ref: BU-18HD</b>	L84-94, 30 Splines, (Brazed) Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM32</b>	<b>Ref: BU-24MS</b>	94-97, 30 Splines, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)	
<b>GM32CW</b>	<b>Ref: BU-60MS</b>	97-Up, 30 Splines, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	

298 mm, Medium Stall			
<b>Medium Stall DC Code (Gas)</b>	<b>Codes: DC</b>		
	Type: Lock Up	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 30	
	Bolt Circle: 10.7"	Appr Stall: 1600-1800	
	3 Round or Rect. Pads	Pilot Dia: 1.703"	
<b>GM35</b>	<b>Ref: BU-24MS</b>	94-97, 30 Splines, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)	
<b>GM35CW</b>	<b>Ref: BU-60MS</b>	97-Up, 30 Splines, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	

**700-R4, 4L60, 4L60E, 4L65E (298 mm) (cont.)**

298 mm, High Stall		
<b>High Stall (Gas)</b>	<b>Codes: CB, DB, DE</b> <b>Most Turbos, Corvettes, Camaros, etc.</b>	
	Type: Lock Up	Hub: Slotted
	Diameter: 12.5"	Input Splines: 27 or 30
	Bolt Circle: 10.7"	Appr Stall: 1800-2000
	3 Round or Rect. Pads	Pilot Dia: 1.703"
<b>GM15AH</b>	<b>Ref: BU-15HS</b>	82-E84, 27 Splines, Lock Up Control: On-Off, Non PWM (Paper Friction Material)
<b>GM18AH</b>	<b>Ref: BU-18HS</b>	L84-94, 30 Splines, Lock Up Control: On-Off, Non PWM (Paper Friction Material)
<b>GM18AHF</b>	<b>Ref: N/A</b>	L84-94, 30 Splines, (Brazed) Lock Up Control: On-Off, Non PWM (Paper Friction Material)
<b>GM18A-HP</b>	<b>Ref: HP-BU18</b>	L84-94, 30 Splines, High Performance GM18AH (Appr Stall 2100-2400) (Built w/ Flanged Hub)
<b>GM31</b>	<b>Ref: BU-24HS</b>	94-97, 30 Splines, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)
<b>GM31CW</b>	<b>Ref: BU-60HS</b>	97-Up, 30 Splines, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)



298 mm, Heavy Duty 3 Pads		
<b>Diesel 3 Pads</b>	<b>Codes: CG</b> <b>5.7L Diesel (Replaces the 6 Pads)</b>	
	Type: Lock Up	Hub: Slotted
	Diameter: 12.5"	Input Splines: 27 or 30
	Bolt Circle: 10.7"	Appr Stall: 1450
	3 Rectangular Pads	Pilot Dia: 1.703"
<b>GM15ALF</b>	<b>Ref: EC-BU15</b>	82-E84, 27 Splines, (Brazed) Lock Up Control: On-Off, Non PWM (Paper Friction Material)
<b>GM18ALF</b>	<b>Ref: EC-BU18</b>	L84-94, 30 Splines, (Brazed) Lock Up Control: On-Off, Non PWM (Paper Friction Material)


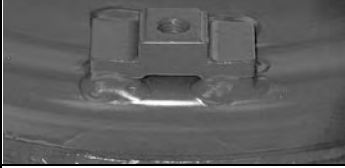


298 mm, Heavy Duty 6 Pads		
<b>Diesel 6 Pads</b>	<b>Codes: CG</b> <b>5.7L Diesel (Can use 3 Rectangular Pads)</b>	
	Type: Lock Up	Hub: Slotted
	Diameter: 12.5"	Input Splines: 27 or 30
	Bolt Circle: 10.7"	Appr Stall: 1450-1650
	6 Round Pads	Pilot Dia: 1.703"
<b>GM23</b>	<b>Ref: BU-26HD</b>	82-E84, 27 Splines, Lock Up Control: On-Off, Non PWM (Paper Friction Material)
<b>GM30</b>	<b>Ref: BU-28HD</b>	L84-94, 30 Splines, Lock Up Control: On-Off, Non PWM (Paper Friction Material)




298 mm, Clutch Omitted		
<b>To Omit Clutch</b>	<b>To Omit Clutch (Dummy Lock Up)</b> See Lock Up Clutch Omitted Disclaimer	
	Type: Clutch Omitted	Hub: Slotted
	Diameter: 12.5"	Input Splines: 27 or 30
	Bolt Circle: 10.7"	See Disclaimer
	3 Round or Rect. Pads	Pilot Dia: 1.703"
<b>GM150L</b>	<b>Ref: BU-15LS-LC</b>	82-E84, 27 Splines, Low Stall, Replaces GM15AL (See Disclaimer Page 197)
<b>GM150</b>	<b>Ref: BU-15MS-LC</b>	82-E84, 27 Splines, Medium Stall, Replaces GM15 (See Disclaimer Page 197)
<b>GM150H</b>	<b>Ref: BU-15HS-LC</b>	82-E84, 27 Splines, High Stall, Replaces GM15AH (See Disclaimer Page 197)
<b>GM180L</b>	<b>Ref: BU-18LS-LC</b>	L84-94, 30 Splines, Low Stall, Replaces GM18AL (See Disclaimer Page 197)
<b>GM180A</b>	<b>Ref: BU-18MS-LC</b>	L84-94, 30 Splines, Medium Stall, Replaces GM18A (See Disclaimer Page 197)
<b>GM180H</b>	<b>Ref: BU-18HS-LC</b>	L84-94, 30 Splines, High Stall, Replaces GM18AH (See Disclaimer Page 197)



4L60E, 4L65E (300 mm) (See also 280 mm, 298 mm)			
		To ID 300 mm Units	
<b>300 mm Family</b>	<p>The pads and input shaft of the 300 mm family are the same as the pads and input shaft of the 280 mm family. 280 mm family include codes VJCX and are listed in the catalog before the 298 mm family.</p>		
			
		300 mm Input Shaft	300 mm Pads

Ref: BU-50HS		300 mm, 30 Splines				
<b>GM90</b>	<b>Codes: TLCX, TLBX (4.3L, 4.8L)</b> <b>(Replaces GM91)</b>					
	Type: Lock Up	Hub: Slotted				
	Diameter: 12.5"	Input Splines: 30				
	Bolt Circle: 11"	Appr Stall: 1600-1800				
	Mounting: 3 Pads	Pilot Dia: 1.703"				

Ref: BU-50		300 mm, 30 Splines				
<b>GM92</b>	<b>Codes: TMAX, TMBX (5.3L, 5.7L)</b> <b>(Replaces GM93)</b>					
	Type: Lock Up	Hub: Slotted				
	Diameter: 12.5"	Input Splines: 30				
	Bolt Circle: 11"	Appr Stall: 1400-1600				
	Mounting: 3 Pads	Pilot Dia: 1.703"				

**200C, 200-4R, 700-R4, 4L60, 4L60E (Non PWM)**

\*\* ONLY if your converter does NOT have a sticker, should you refer to this chart. The converters listed have been identified by various sources to "possibly" fit these engine sizes. Please compare every converter listed for each engine size. For example, for the 245 MM, 10", compare with the GM58HD, GM59HD & GM61HD.

245 mm	10.2"	GM58HD	2.8L (Exc Camaro)	2.6L	3.1L	3.4L		
245 mm	10.2"	GM61HD	2.8L Camaro	1.8L	1.9L	2.0L	2.2L	2.5L
245 mm	10.2"	GM59HD	3.8L					
298 mm	12.5" 27 Spline	GM15	3.8L	4.1L	4.3L	5.0L	5.7L	
298 mm	12.5" 27 Spline	GM15ALF	5.7L Diesel	6.2L Diesel				
298 mm	12.5" 27 Spline	GM15AH	3.8L	4.1L	4.3L	4.4L	4.9L	5.0L
298 mm	12.5" 27 Spline	GM15AL	4.3L	5.0L	5.7L			
298 mm	12.5" 27 Spline	GM15S	4.1L Cadillac					
298 mm	12.5" 27 Spline	GM19	5.7L Diesel					
298 mm	12.5" 30 Spline	GM18A	4.3L	5.0L				
298 mm	12.5" 30 Spline	GM18AH	4.3L					
298 mm	12.5" 30 Spline	GM18AL	5.0L	5.7L				
298 mm	12.5" 30 Spline	GM18ALF	5.7L Diesel	6.2L Diesel				

## 400, 3L80, 425, 475

Ref: BU-3	3 Pads			
<b>GM3</b>	<b>3 Rows of Ribs, Fixed Pitch Stator</b>			
	Type: Non Lock Up	Hub: Slotted		
	Diameter: 13"	Input Splines: 30		
	Bolt Circle: 11.5"	Appr Stall: 1300-1500		
	Mounting: 3 Pads	Pilot Dia: 1.703"		
Ref: BU-5HD	3 Pads, High Stall			
<b>GM3H</b>	<b>2 Rows of Ribs, Fixed Pitch Stator</b>			
	Type: Non Lock Up	Hub: Slotted		
	Diameter: 13"	Input Splines: 30		
	Bolt Circle: 11.5"	Appr Stall: 1700-1900		
	Mounting: 3 Pads	Pilot Dia: 1.703"		
Ref: BU-4	3 Pads, Jaguar			
<b>JA7</b>	<b>2 or 3 Rows of Ribs, Fixed Pitch Stator</b>			
	Type: Non Lock Up	Hub: Slotted		
	Diameter: 13"	Input Splines: 30		
	Bolt Circle: 11.5"	Appr Stall: 1500-1700		
	Mounting: 3 Pads	Pilot Dia: 1.703"		
Ref: BU-2	3 Pads, 1964-67			
<b>GM2</b>	<b>Variable Pitch Stator</b>			
	Type: Non Lock Up	Hub: Slotted		
	Diameter: 13"	Input Splines: 30		
	Bolt Circle: 11.5"	Variable Pitch		
	Mounting: 3 Pads	Pilot Dia: 1.703"		
Ref: N/A	3 Pads, HD (Do Not Use With Allison's)			
<b>GM3-HD</b>	<b>Built w/ Flanged Hub &amp; HD Bearing</b>			
	Type: Non Lock Up	Hub: Slotted		
	Diameter: 13"	Input Splines: 30		
	Bolt Circle: 11.5"	Heavy Duty		
	Mounting: 3 Pads	Pilot Dia: 1.703"		
Ref: BU-3HD	3 Pads, HD (Do Not Use With Allison's)			
<b>GM3R-HD</b>	<b>Built w/ Regular Hub &amp; HD Bearing</b>			
	Type: Non Lock Up	Hub: Slotted		
	Diameter: 13"	Input Splines: 30		
	Bolt Circle: 11.5"	Heavy Duty		
	Mounting: 3 Pads	Pilot Dia: 1.703"		

400, 3L80, 425, 475 (cont.)

GM 3L80, 400, 425, 475


Ref: N/A	6 Pads		
GM6	3 Rows of Ribs		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 13"	Input Splines: 30	
	Bolt Circle: 11.5"	Appr Stall: 1300-1500	
Mounting: 6 Pads	Pilot Dia: 1.703"		

Ref: BU-5-6	6 Pads, High Stall		
JA4	2 or 3 Rows of Ribs		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 13"	Input Splines: 30	
	Bolt Circle: 11.5"	Appr Stall: 1700-1900	
Mounting: 6 Pads	Pilot Dia: 1.703"		

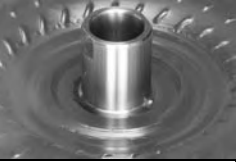



Ref: BU-9	6 Pads, HD (Do Not Use With Allison's)		
GM6-HD	Built w/ Flanged Hub & HD Bearing		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 13"	Input Splines: 30	
	Bolt Circle: 11.5"	Heavy Duty	
Mounting: 6 Pads	Pilot Dia: 1.703"		




Ref: BU-6HD	6 Pads, HD (Do Not Use With Allison's)		
GM6R-HD	Built w/ Regular Hub & HD Bearing		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 13"	Input Splines: 30	
	Bolt Circle: 11.5"	Heavy Duty	
Mounting: 6 Pads	Pilot Dia: 1.703"		

Ref: AL-275	Allison AT540 (Can Use w/ TH400)		
A3	Gas, Diesel (Medium Stall) Built w/ Flanged Hub		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 13"	Input Splines: 30	
	Bolt Circle: 11.5"	Appr Stall: 1300-1500	
Mounting: 6 Pads	Pilot Dia: 1.703"		

Ref: AL-290	Allison AT540 (Can Use w/ TH400)		
A6	Diesel Only (Low Stall) Built w/ Flanged Hub		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 13"	Input Splines: 30	
	Bolt Circle: 11.5"	Appr Stall: 1200-1400	
Mounting: 6 Pads	Pilot Dia: 1.703"		

4L80E Lock Up

	To ID 4L80E Units			
4L80E ID Information				
	Flanged Hub	Non Flanged Hub	Measure Hub Length	4L80E Pads

4L80E ID Information	Units with this plate can be replaced by non-plated converters.			
		Some Units Have a Plate	2.05" Hub Height	2.65" Hub Height

Ref: GM-75LS	2.05" Hub Height, Low Stall			
GM81	Codes: 1SA1, 1SA0, 194, 492, 528, 576, 606, 675, 849 1990-Up (Use Only the GM81)			
	Type: Lock Up	Hub: Flats		
	Diameter: 13.75"	Hub Height: 2.05"		
	Bolt Circle: 11.5"	Input Splines: 35		
	Mounting: 6 Pads	Pilot Dia: 1.703"		

Ref: GM-75HS	2.05" Hub Height, High Stall			
GM82	Codes: 1SB1, 193, 366, 526, 604, 19B1 1990-Up (Use Only the GM82)			
	Type: Lock Up	Hub: Flats		
	Diameter: 13.75"	Hub Height: 2.05"		
	Bolt Circle: 11.5"	Input Splines: 35		
	Mounting: 6 Pads	Pilot Dia: 1.703"		


Ref: GM-76	2.65" Hub Height, Low Stall			
GM88	Codes: 2421 0829, 2421 0827 1998-Up (Can Use GM81)			
	Type: Lock Up	Hub: Flats		
	Diameter: 13.75"	Hub Height: 2.65"		
	Bolt Circle: 11.5"	Input Splines: 35		
	Mounting: 6 Pads	Pilot Dia: 1.703"		




Ref: GM-76HS	2.65" Hub Height, High Stall			
GM88H	Codes: 2421 0831, 2421 0825, 364, 830 1998-Up (Can Use GM82)			
	Type: Lock Up	Hub: Flats		
	Diameter: 13.75"	Hub Height: 2.65"		
	Bolt Circle: 11.5"	Input Splines: 35		
	Mounting: 6 Pads	Pilot Dia: 1.703"		




5L40E Lock Up (245 mm)		
Ref: BM-38	2.66" Hub Height, High Stall	
<b>BMW38</b>	Codes: 2421 2840	
	BMW (Hub: 1.748" Diameter, 2.00" Tall)	
	Type: Lock Up	Hub: Slotted
	Diameter: 10.2"	Input Splines: 27
	Bolt Circle: 9.3"	Pilot Height: 1.14"
	Mounting: 3 Pads	Pilot Dia: 1.258"
		


125 Non Lock Up		
Ref: GM-205	3 Pads	
<b>GM14</b>	1980-82 Gas	
	Type: Non Lock Up	Hub: Bushing
	Diameter: 11"	Input Splines: 27
	Bolt Circle: 9.75"	Gas
	Mounting: 3 Pads	Pilot Dia: .824"
		


Ref: GM-206		
<b>GM22</b>	6 Pads	
	1980-82 Diesel	
	Type: Non Lock Up	Hub: Bushing
	Diameter: 11"	Input Splines: 27
	Bolt Circle: 9.75"	Diesel
	Mounting: 6 Pads	Pilot Dia: .824"
		


125C, 3T40, 4T40E, 4T45E, 440-T4, 4T60E, 4T65E Lock Up (245 mm)			
<b>To ID 245mm &amp; 258mm Fwd Units</b>	To ID 245mm & 258 mm Fwd Units		
			
	Sample of Code Sticker	245 mm Fwd Pads (Exc. Viscous)	258 mm Fwd Pads (Incl. 245 mm Viscous)


245 mm, FA Codes		
<b>FA Code Family</b>	Codes: FA (FAO Use GM68)	
	Type: Lock Up	Hub: Bushing
	Diameter: 10.2"	Input Splines: 27
	Bolt Circle: 9.8"	Appr Stall: 2700-2900
	Mounting: 3 Pads	Pilot Dia: .824"
<b>GM45</b>	Ref: BU-32	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)
<b>GM68</b>	Ref: N/A	82-95, To Omit Clutch (Code FAO) (See Disclaimer Page 197)
<b>GM45C</b>	Ref: BU-47	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)
<b>GM45CW</b>	Ref: BU-55	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)
		

## 125C, 3T40, 4T40E, 4T45E, 440-T4, 4T60E, 4T65E Lock Up (245 mm) (cont.)

245 mm, FB Codes			
<b>FB Code Family</b>	<b>Codes: FB (FBO Use GM69)</b>		
	Type: Lock Up	Hub: Bushing	
	Diameter: 10.2"	Input Splines: 27	
	Bolt Circle: 9.8"	Appr Stall: 2450-2650	
	Mounting: 3 Pads	Pilot Dia: .824"	
<b>GM74</b>	<b>Ref: BU-31</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM69</b>	<b>Ref: N/A</b>	82-95, To Omit Clutch (Code FBO) (See Disclaimer Page 197)	
<b>GM74C</b>	<b>Ref: BU-47</b>	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)	
<b>GM74CW</b>	<b>Ref: BU-55</b>	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	

245 mm, FC Codes			
<b>FC Code Family</b>	<b>Codes: FC (FCO Use GM79)</b>		
	Type: Lock Up	Hub: Bushing	
	Diameter: 10.2"	Input Splines: 27	
	Bolt Circle: 9.8"	Appr Stall: 2300-2500	
	Mounting: 3 Pads	Pilot Dia: .824"	
<b>GM73</b>	<b>Ref: BU-31</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM79</b>	<b>Ref: N/A</b>	82-95, To Omit Clutch (Code FCO, FZO) (See Disclaimer Page 197)	
<b>GM73C</b>	<b>Ref: BU-47</b>	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)	
<b>GM73CW</b>	<b>Ref: BU-55</b>	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	

245 mm, FD Codes			
<b>FD Code Family</b>	<b>Codes: FD (FDO, Use GM78)</b>		
	Type: Lock Up	Hub: Bushing	
	Diameter: 10.2"	Input Splines: 27	
	Bolt Circle: 9.8"	Appr Stall: 2000-2200	
	Mounting: 3 Pads	Pilot Dia: .824"	
<b>GM42</b>	<b>Ref: BU-21</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM78</b>	<b>Ref: BU-12</b>	82-95, To Omit Clutch (See Disclaimer Page 197)	
<b>GM42C</b>	<b>Ref: BU-45</b>	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)	
<b>GM42CW</b>	<b>Ref: BU-56</b>	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	

245 mm, FE Codes			
<b>FE Code Family</b>	<b>Codes: FE</b>		
	Type: Lock Up	Hub: Bushing	
	Diameter: 10.2"	Input Splines: 27	
	Bolt Circle: 9.8"	Appr Stall: 1750-1950	
	Mounting: 3 Pads	Pilot Dia: .824"	
<b>GM41</b>	<b>Ref: BU-30</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM41C</b>	<b>Ref: BU-45</b>	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)	
<b>GM41CW</b>	<b>Ref: BU-56</b>	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	

125C, 3T40, 4T40E, 4T45E, 440-T4, 4T60E, 4T65E Lock Up (245 mm) (cont.)

GM 3T40, 125C, 440-T4, 4T60/E

245 mm, FG Codes		
<b>FG Code Family</b>	<b>Codes: FG</b>	
	Type: Lock Up	Hub: Bushing
	Diameter: 10.2"	Input Splines: 27
	Bolt Circle: 9.8"	Appr Stall: 1550-1750
	Mounting: 3 Pads	Pilot Dia: .824"
<b>GM40</b>	<b>Ref: BU-29</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)
<b>GM40C</b>	<b>Ref: BU-42</b>	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)
<b>GM40CW</b>	<b>Ref: BU-57</b>	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)



245 mm, FH Codes		
<b>FH Code Family</b>	<b>Codes: FH5 (Also FM5, FM7)</b>	
	<b>GM65 Has a Poppet Valve</b>	
	Type: Lock Up	Hub: Bushing
	Diameter: 10.2"	Input Splines: 27
	Bolt Circle: 9.8"	Appr Stall: 1450-1650
<b>GM65</b>	<b>Ref: BU-22</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)



245 mm, FJ Codes		
<b>FJ Code Family</b>	<b>Codes: FJ (FJO Use GM78)</b>	
	<b>(FJBB Use GM56, Has a Coast Relief Valve)</b>	
	Type: Lock Up	Hub: Bushing
	Diameter: 10.2"	Input Splines: 27
	Bolt Circle: 9.8"	Appr Stall: 1950-2150
<b>GM72</b>	<b>Ref: BU-21</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)
<b>GM56</b>	<b>Ref: BU-35</b>	82-95, FJBB Code, Lock Up Control: On-Off, Non PWM (Paper Friction Material)
<b>GM78</b>	<b>Ref: BU-12</b>	82-95, To Omit Clutch (See Disclaimer Page 197)
<b>GM72C</b>	<b>Ref: BU-45</b>	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)
<b>GM72CW</b>	<b>Ref: BU-56</b>	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)





245 mm, FK Codes (Exc. FKBB)		
<b>FK Code Family</b>	<b>Codes: FK</b>	
	<b>(FKBB, FKRB Use GM66, Has a Coast Relief Valve)</b>	
	Type: Lock Up	Hub: Bushing
	Diameter: 10.2"	Input Splines: 27
	Bolt Circle: 9.8"	Appr Stall: 2650-2850
<b>GM75</b>	<b>Ref: BU-32</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)
<b>GM66</b>	<b>Ref: BU-37</b>	82-95, FKBB, FKRB Code, Lock Up Control: On-Off, Non PWM (Paper Friction Material)
<b>GM75C</b>	<b>Ref: BU-47</b>	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)
<b>GM75CW</b>	<b>Ref: BU-55</b>	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)





125C , 3T40, 4T40E, 4T45E, 440-T4, 4T60E, 4T65E Lock Up (245 mm) (cont.)

GM 3T40 125C, 440-T4, 4T60/E


245 mm, FL Codes			
<b>FL Code Family (Exc FLKF, FLVV, FLTV)</b>	<b>Codes: FL</b>		
	<b>FLKF = GM94, FLVV, FLTV = VO30</b>		
	Type: Lock Up		Hub: Bushing
	Diameter: 10.2"		Input Splines: 27
	Bolt Circle: 9.8"		Appr Stall: 1800-2000
Mounting: 3 Pads	Pilot Dia: .824"		
<b>GM71</b>	<b>Ref: BU-29</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)	
<b>GM71</b>	<b>Ref: BU-29</b>	Codes: FL8C have a Viscous Clutch. Replace with Non Viscous Clutch GM71	
<b>GM71C</b>	<b>Ref: BU-42</b>	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)	
<b>GM71CW</b>	<b>Ref: BU-57</b>	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	


245 mm, FLKF Codes			
<b>FL Code Family (FLKF)</b>	<b>Saturn (4T40E, 4T45E)</b>		
	<b>Code: FLKF 2420</b>		
	Type: Lock Up		Hub: Bushing
	Diameter: 10.2"		Input Splines: 27
	Bolt Circle: 9.5"	Pilot: 1.55" Long	
Mounting: 3 Pads	Pilot Dia: .824"		
<b>GM94</b>	<b>Ref: HMS-2</b>	Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)	


245 mm, FLTV, FLVV Codes			
<b>FL Code Family (FLTV, FLVV)</b>	<b>Codes: FLTV, FLVV</b>		
	<b>Volvo S80 2.9L</b>		
	Type: Lock Up		Hub: Bushing
	Diameter: 10.625"		Input Splines: 27
	Bolt Circle: 9.625"	Pilot: 1.55" Long	
Mounting: 6 Pads	Pilot Dia: .824"		
<b>VO30</b>	<b>Ref: VO-48-6</b>	(Woven Carbon Friction Material)	

245 mm, FMTV, FMVV Codes			
<b>FM Code Family (FMTV, FMVV)</b>	<b>Codes: FMTV, FMVV</b>		
	<b>(See Next Page for Other FM Codes)</b>		
	Type: Lock Up		Hub: Bushing
	Diameter: 10.625"		Input Splines: 27
	Bolt Circle: 9.625"	Pilot: 1.55" Long	
Mounting: 6 Pads	Pilot Dia: .824"		
<b>VO32</b>	<b>Ref: VO-48LS-6</b>	(Woven Carbon Friction Material)	

**125C, 3T40, 4T40E, 4T45E, 440-T4, 4T60E, 4T65E Lock Up (245 mm) (cont.)**

		245 mm, FM Codes				
<b>FM Code Family (Exc FMTV, FMVV See Previous Page)</b>	<b>Codes: FM (FMTV, FMVV Use VO32)</b>		<b>Codes: FM5, FM7 Must use GM65</b>			
	Type: Lock Up	Hub: Bushing				
	Diameter: 10.2"	Input Splines: 27				
	Bolt Circle: 9.8"	Appr Stall: 1450-1650				
	Mounting: 3 Pads	Pilot Dia: .824"				
	<b>GM70</b>	<b>Ref: BU-29</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)			
<b>GM70</b>	<b>Ref: BU-29</b>	Codes: FM8, FM8C have a Viscous Clutch. Replace with Non Viscous Clutch GM70				
<b>GM65</b>	<b>Ref: BU-22</b>	82-95, Coast Relief Valve, Non PWM (Paper Friction Material)				
<b>GM70C</b>	<b>Ref: BU-42</b>	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)				
<b>GM70CW</b>	<b>Ref: BU-57</b>	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)				

		245 mm, FY Codes				
<b>FY Code Family</b>	<b>Codes: FY</b>		<b>(FY5, FY5B, FY7, FY7B Use GM64)</b>			
	Type: Lock Up	Hub: Bushing				
	Diameter: 10.2"	Input Splines: 27				
	Bolt Circle: 9.8"	Appr Stall: 1300-1500				
	Mounting: 3 Pads	Pilot Dia: .824"				
	<b>GM63</b>	<b>Ref: BU-34</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)			
<b>GM64</b>	<b>Ref: BU-22</b>	82-95, Coast Relief Valve, Non PWM (Paper Friction Material)				
<b>GM63C</b>	<b>Ref: BU-46</b>	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)				
<b>GM63CW</b>	<b>Ref: BU-58</b>	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)				

		245 mm, FZ Codes				
<b>FZ Code Family</b>	<b>Codes: FZ (FZO Use GM79)</b>		<b>Codes: FZBB, FZRB, Use GM67</b>			
	Type: Lock Up	Hub: Bushing				
	Diameter: 10.2"	Input Splines: 27				
	Bolt Circle: 9.8"	Appr Stall: 2300-2500				
	Mounting: 3 Pads	Pilot Dia: .824"				
	<b>GM73</b>	<b>Ref: BU-31</b>	82-95, Lock Up Control: On-Off, Non PWM (Paper Friction Material)			
<b>GM79</b>	<b>Ref: N/A</b>	82-95, To Omit Clutch (Code FZO) (See Disclaimer Page 197)				
<b>GM67</b>	<b>Ref: BU-37</b>	82-95, Coast Relief Valve, Non PWM (Paper Friction Material)				
<b>GM73C</b>	<b>Ref: BU-49</b>	96-97, Lock Up Control: Early PWM w/ out ECCC (EC <sup>3</sup> ) (Low Carbon Content Friction)				
<b>GM73CW</b>	<b>Ref: BU-59</b>	97-Up, Lock Up Control: PWM w/ ECCC (EC <sup>3</sup> ) (Woven Carbon Friction Material)				

**Codes JSFM, JFTM, JXFM, JZFM are 258 mm 4T65E units. The 258 mm section follows this 245 mm section.**

**4T65E Lock Up (258 mm)**

<b>ID 245mm &amp; 258mm Fwd Units</b>	<b>To ID 245mm &amp; 258 mm Fwd Units</b>			
		<b>Sample of the Code Sticker</b>	<b>245 mm Fwd Pads (Exc Viscous)</b>	<b>258 mm Fwd Pads (Incl 245 mm Viscous)</b>

<b>Ref: BU-48</b>	<b>4T65E Lock Up (258 mm)</b>			
<b>GM50</b>	<b>Codes: JSFM</b>			
	<b>97-Up, PWM w/ ECCC (EC<sup>3</sup>) Woven Carbon</b>			
	Type: Lock Up	Hub: Bushing		
	Diameter: 10.75"	Input Splines: 27		
	Bolt Circle: 9.875"	Appr Stall: 1700-1900		
Mounting: 3 Pads	Pilot Dia: .824"			



<b>Ref: BU-48LS</b>	<b>4T65E Lock Up (258 mm)</b>			
<b>GM51</b>	<b>Codes: JTFM</b>			
	<b>97-Up, PWM w/ ECCC (EC<sup>3</sup>) Woven Carbon</b>			
	Type: Lock Up	Hub: Bushing		
	Diameter: 10.75"	Input Splines: 27		
	Bolt Circle: 9.875"	Appr Stall: 1900-2100		
Mounting: 3 Pads	Pilot Dia: .824"			

<b>Ref: BU-48HS</b>	<b>4T65E Lock Up (258 mm)</b>			
<b>GM52</b>	<b>Codes: JXFM</b>			
	<b>97-Up, PWM w/ ECCC (EC<sup>3</sup>) Woven Carbon</b>			
	Type: Lock Up	Hub: Bushing		
	Diameter: 10.75"	Input Splines: 27		
	Bolt Circle: 9.875"	Appr Stall: 2400-2600		
Mounting: 3 Pads	Pilot Dia: .824"			

<b>Ref: BU-48MS</b>	<b>4T65E Lock Up (258 mm)</b>			
<b>GM53</b>	<b>Codes: JZFM</b>			
	<b>97-Up, PWM w/ ECCC (EC<sup>3</sup>) Woven Carbon</b>			
	Type: Lock Up	Hub: Bushing		
	Diameter: 10.75"	Input Splines: 27		
	Bolt Circle: 9.875"	Appr Stall: 2200-2400		
Mounting: 3 Pads	Pilot Dia: .824"			


**Codes FLTV, FLVV, FMTV & FMVV are 245 mm 4T65E units. The 245 mm section precedes this 258 mm section.**

### 4T80E Lock Up (265 mm)

<b>To ID Type of Clutch</b>	<p>There are two types of 4T80E converters, Viscous Clutches &amp; Spring Damper Clutches (Non Viscous). Check with your salesperson to determine availability of units.</p>		
		<b>GM84 Non Viscous</b>	<b>GM86 Viscous</b>

GM 4T80E, Saturn

<b>Ref: BU-43</b>	<b>4T80E Lock Up (265 mm)</b>			
<b>GM84</b>	<b>1993-Up Cadillac Allante, Aurora 4.0L</b> <b>Codes: 441, 8683441, 8689991</b>			
	Type: Lock Up	Hub: Smooth Round		
	Diameter: 11.25"	Input Splines: 30		
	Bolt Circle: 9.875"	Hex Pump Drive		
	Mounting: 4 Pads	Pilot Dia: .824"		



<b>Ref: BU-44</b>	<b>4T80E Lock Up (265 mm)</b>			
<b>GM86</b>	<b>1995-Up Cadillac North Star OEM # 24209250</b> <b>Codes: 440, 8683440, 8689990</b>			
	Type: Lock Up	Hub: Smooth Round		
	Diameter: 11.25"	Input Splines: 30		
	Bolt Circle: 9.875"	Hex Pump Drive		
	Mounting: 4 Pads	Pilot Dia: .824"		

### 125C, 440-T4, 4T60E, 4T65E (Non PWM)



**\*\* ONLY if your converter does NOT have a sticker, should you refer to this chart. The converters listed have been identified by various sources to "possibly" fit these engine sizes. Please compare every converter listed for each engine size. For example, for the 1.9L, compare with both the GM73 & GM74.**

1.5L	GM45	GM75					
1.6L	GM45	GM75					
1.8L	GM45	GM73	GM74	GM75			
1.9L	GM73	GM74					
2.0L	GM45	GM72	GM73	GM74	GM75		
2.2L	GM40	GM66	GM67	GM72	GM73	GM74	GM75
2.3L	GM42	GM56	GM67	GM66	GM73	GM74	GM75
2.4L	GM66	GM67					
2.5L	GM66	GM67	GM72	GM73	GM74	GM75	
2.8L	GM72						
3.0L	GM40	GM41	GM71	GM72			
3.1L	GM40	GM41	GM56	GM72	GM73	GM74	
3.3L	GM40	GM63	GM64	GM70			
3.4L	GM40	GM42	GM71	GM72			
3.8L	GM40	GM63	GM64	GM70	GM71		
4.1L	GM70	GM71					
4.3L	GM64	GM65	GM70				
4.5L	GM70	GM71					
4.9L	GM70						
Quad 4	GM56	GM66	GM67				

## Saturn


Ref: HMS-1	Saturn (TAAT)			
<b>GM80</b>	<b>Code: G-P3, 76322</b>			
	<b>Hub Uses O-Ring (Not Included)</b>			
	Type: Lock Up	Hub: Slotted		
	Diameter: 9.75"	Input Splines: 19		
	Bolt Circle: 8.625"	O-Ring not Included		
4 Pads w/ Clips	Pilot Dia: .905"			
Ref: HMS-2	4T40E, 4T45E Lock Up (245 mm)			
<b>GM94</b>	<b>Code: FLKF 2420</b>			
	Type: Lock Up	Hub: Bushing		
	Diameter: 10.2"	Input Splines: 27		
	Bolt Circle: 9.5"	Pilot: 1.55" Long		
	Mounting: 3 Pads	Pilot Dia: .825"		


## Aluminum Powerglide (11" &amp; 11.75")


Ref: PG-1	11" w/ Cooling Shroud & Ring Gear			
<b>PG1</b>	<b>1962-69 Corvair, Corvan Truck</b>			
	Type: Non Lock Up	Hub: Bushing		
	Diameter: 11"	Input Splines: 22		
	Bolt Circle: 9.6"	Shroud & Ring Gear		
	Mounting: 3 Pads	Pilot Dia: .905"		
Ref: PG-3	11.75" No Cooling Shroud			
<b>PG3</b>	<b>1964-73 250 6 Cylinder</b>			
	Type: Non Lock Up	Hub: Slotted		
	Diameter: 11.75"	Input Splines: 17		
	Bolt Circle: 10.5"	No Cooling Shroud		
	Mounting: 3 Pads	Pilot Dia: 1.703"		
Ref: PG-6	11.75" w/ Cooling Shroud (Low Stall)			
<b>PG6</b>	<b>1962-72 6 Cylinder</b>			
	Type: Non Lock Up	Hub: Slotted		
	Diameter: 11.75"	Input Splines: 17		
	Bolt Circle: 10.5"	Cooling Shroud		
	Mounting: 3 Pads	Pilot Dia: 1.703"		
Ref: PG-8	11.75" w/ Cooling Shroud (High Stall)			
<b>PG8</b>	<b>1971-73 Monza, Vega 4 Cylinder</b>			
	Type: Non Lock Up	Hub: Slotted		
	Diameter: 11.75"	Input Splines: 17		
	Bolt Circle: 10.5"	Cooling Shroud		
	Mounting: 3 Pads	Pilot Dia: 1.703"		

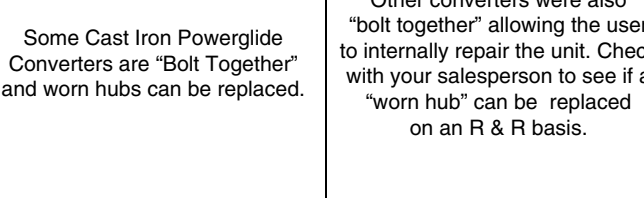


Aluminum Powerglide (12.25")			
Ref: PG-2	12.25" (No Clip on Pads)		
PG2	1963-68 409 Engine (Aluminum)		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 12.25"	Input Splines: 17	
	Bolt Circle: 12"	Appr Stall: 1300-1500	
	Mounting: 3 Pads	Pilot Dia: 1.703"	

Ref: PG-4	12.25" w/ 10.5" Bolt Circle		
PG4	1962-73 (V8 Except 396 & 427)		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 12.25"	Input Splines: 17	
	Bolt Circle: 10.5"	Appr Stall: 1500-1700	
	Mounting: 3 Pads	Pilot Dia: 1.703"	

Ref: PG-5	12.25" w/ 12" Bolt Circle (Nut is Clipped on)		
PG5	1964-68 396 & 427 V8		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 12.25"	Input Splines: 17	
	Bolt Circle: 12"	Appr Stall: 1500-1700	
	Mounting: 3 Pads	Pilot Dia: 1.703"	

Cast Iron Powerglide			
Ref: PCH-1	Cast Iron Powerglide		
PCH1	Bolt Together Unit (Primary Only)		
	O-Ring Not Included		
	1953-61 (Exc 56-57 Corvette)		

Ref: PCH-2	Cast Iron Powerglide		
PCH2	Bolt Together Unit (Primary Only)		
	O-Ring Not Included		
	1956-57 Corvette		


Some Cast Iron Powerglide Converters are "Bolt Together" and worn hubs can be replaced.


Other converters were also "bolt together" allowing the user to internally repair the unit. Check with your salesperson to see if a "worn hub" can be replaced on an R & R basis.

Ref: PG-2	12.25"		
PG2	1960-62		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 12.25"	Input Splines: 17	
	Bolt Circle: 12"	Appr Stall: 1300-1500	
	Mounting: 3 Pads	Pilot Dia: 1.703"	

**Super Turbine 300 (ST 300)**

<b>Ref: BU-1</b>	<b>Super Turbine 300 (ST 300)</b>		
<b>GM1</b>	<b>1964-67 BPO (6 Cyl) Variable Pitch Stator (Solenoids on VB &amp; on Pump)</b>		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 30	
	Bolt Circle: 10.75"	Approx. Stall: 1400	
	Mounting: 3 Pads	Pilot Dia: 1.703"	


<b>Ref: BU-1A</b>	<b>Super Turbine 300 (ST 300)</b>		
<b>GM1A</b>	<b>1965-79 BPO (8 Cylinder) Fixed Pitch Stator (Kickdown Solenoid on VB)</b>		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 30	
	Bolt Circle: 10.75"	Appr Stall: 1400-1600	
	Mounting: 3 Pads	Pilot Dia: 1.703"	

<b>Ref: V-350</b>	<b>Super Turbine 300 (ST 300)</b>		
<b>GM4</b>	<b>64-67 w/ Cooling Shroud, Fixed Pitch Stator (Kickdown Solenoid on VB)</b>		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 12.5"	Input Splines: 30	
	Bolt Circle: 10.75"	Appr Stall: 1300-1500	
	Mounting: 3 Pads	Pilot Dia: 1.703"	


<b>Ref: BU-7HD</b>	<b>Super Turbine 300 (ST 300)</b>		
<b>GM7</b>	<b>1969-79 Some 6 Cylinder Chevy Do Not Use in Racing or HD Applications</b>		
	Type: Non Lock Up	Hub: Slotted	
	Diameter: 11.75"	Input Splines: 30	
	Bolt Circle: 10.5"	Appr Stall: 1600-1800	
	Mounting: 3 Pads	Pilot Dia: 1.703"	


## Allison

<b>Ref: AL-275</b>	<b>Allison AT540 Series (Gas &amp; Diesel)</b>		
<b>A3</b>	<b>Codes: 270, 275 (Flanged Hub)</b>		
	<b>Do Not Use for Codes 290 or 275LU</b>		
	Type: Non Lock Up	Hub: Slotted 1.873" Dia	
	Diameter: 13"	Input Splines: 30	
	Bolt Circle: 11.5"	Appr Stall: 1350-1550	
Mounting: 6 Pads	Pilot Dia: 1.703"		

<b>Ref: AL-290</b>	<b>Allison AT540 Series (Diesel)</b>		
<b>A6</b>	<b>Codes: 290 (Flanged Hub)</b>		
	<b>Do Not Use for Codes 270, 275 or 275LU</b>		
	Type: Non Lock Up	Hub: Slotted 1.873" Dia	
	Diameter: 13"	Input Splines: 30	
	Bolt Circle: 11.5"	Appr Stall: 1200-1400	
Mounting: 6 Pads	Pilot Dia: 1.703"		

<b>Ref: AL-9</b>	<b>Allison (Military Vehicles)</b>		
<b>A9</b>	<b>Codes: 275 LU (Flanged Hub)</b>		
	<b>Do Not Use for Codes 270, 275 or 290</b>		
	Type: Lock Up	Hub: Slotted 2.000" Dia	
	Diameter: 13.5"	Hub: 2.000" Long	
	Bolt Circle: 11.5"	Input Splines: 35	
Mounting: 6 Pads	Pilot Dia: 1.703"		

<b>Ref: N/A</b>	<b>Allison 1000, 2000, 2400 (Use A7X)</b>		
<b>A7</b>	<b>OE Converter Shown for Reference Only</b>		
	<b>Replaced by A7X</b>		
	Type: Lock Up	Hub: Flats 2.294" Dia	
	Diameter: 13.5"	Hub: Flanged	
	Bolt Circle: 11.5"	Input Splines: 25	
Mounting: 6 Pads	Pilot Dia: 1.703"		

<b>Ref: AL-300</b>	<b>Allison 1000, 2000, 2400 (Billet Lid)</b>		
<b>A7X</b>	<b>GM 2500, 3500 Heavy Duty Trucks</b>		
	<b>Flats &amp; Flanged Hub (Replaces A7)</b>		
	Lock Up, Single Disc	Hub: Flats 2.294" Dia	
	Diameter: 13.3"	Hub: Flanged	
	Bolt Circle: 11.5"	Input Splines: 25	
6 Drilled Holes	Pilot Dia: 1.703"		

# CATALOG DESIGN/USE

**DIA =**

measurement of total outside diameter

**Pilot =**

measurement of pilot diameter. Lists pilot style if applicable

**Hub =**

measurement of hub diameter at the point where the bushing rides. Lists hub style if applicable.

**Mount =**

Lists number of pads or holes on mounting surface & mount description.

**Spline =**

Lists spline count on the turbine (input) shaft.

**Transmission Type**

**4T65E**

**DIA**

**Pilot**

**Hub**

**Mount**

**Spline**

**Part No.**



10.75"

.825"

1.787"  
w/bushing

3  
Pads

27

**B-22-3W**

**Code: Various**  
modulated lockup

C65

**Photo 1:**

Transmission side. (Hub)

**Photo 2:**

Engine side. (Pilot)

**Code =**

Lists all codes known to date. Codes may be stamps (ink or metal), stickers, paint, etc.

**Additional information/Note =**

Lists helpful information for further identification. This will include lock-up type, stall speeds (rib angles), and any additional information.

**Part No. =**

Two part numbers are listed. The number in **bold** is the primary Transtar number. The second number in *italic* is the west coast Transtar number. (Both numbers are included for reference).

**Note:** west coast numbers may not be listed in conversion charts. See interchange in back of catalog.

# GENERAL MOTORS

## GENERAL NOTES FROM TECHNICAL SERVICES DEPARTMENT

GM torque converters basically are arranged according to the table of contents. Import applications used in GM vehicles are toward the end of the section.

Converters using a specific GM code may be listed in the master conversion chart which appears at the beginning of the section.

The following criteria should be used to determine the proper converter from the conversion chart:

**1: FWD** - 125C, 4T40E, 4T60/E, 4T65E

**RWD** - 200C, 2004R, 350C, 700R4, 4L60E/65E

### 2. Converter diameter -

- A. 245mm - 10 1/4"
- B. 258mm - 10 3/4"
- C. 298mm - 12"
- D. 310mm - 12 1/2"

### 3. Piston lining type -

- A. Paper (On/Off)
- B. Carbon fiber ( PWM type I )
- C. Woven graphite ( PWM type II )

(The correct piston lining must be used or apply problems/failure will occur. Computer strategy II requires a woven graphite lining due to almost continuous slippage in lock-up mode. Use the GM code or a scanner to determine strategy II systems).

### 4. Stall speed - RPM

### 5. Transtar number - code/size -

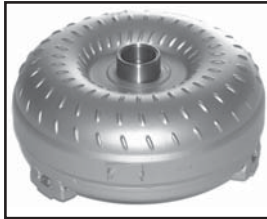
- A. B-21 (245mm - FWD)
- B. B-22 (258mm - FWD)
- C. B-24 (245mm - RWD)
- D. B-15/20 (298mm - 27/30 spline)
- E. B-29 (298mm - 30 spline)
- F. B-85 (310mm - split bell)

### 6. GM code charts - 245/258mm      298/310mm

The GM code chart can be used to determine the Transtar part number for a non-listed GM code.

## CONVERTER TYPE IDENTIFICATION

**LOW STALL**



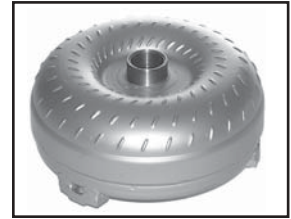
**LOW/MEDIUM STALL**



**MEDIUM/HIGH STALL**



**HIGH STALL**



## SERIES IDENTIFICATION

	<p>10.25" 245mm</p>	<p>.825"</p>	<p>1.787" w/bushing</p>	<p>3 Pads</p>	<p>27</p>	<p><b>B-21 SERIES</b></p>
<p><b>Code: Various</b> Note: Viscous models have wider pads. Applies to 125C, 4T40E, 4T60/E, 4T65E (some).</p>						
	<p>10.75" 258mm</p>	<p>.825"</p>	<p>1.787" w/bushing</p>	<p>3 Pads</p>	<p>27</p>	<p><b>B-22 SERIES</b></p>
<p><b>Code: Various</b> Applies to 4T65E.</p>						
	<p>10.25" 245mm</p>	<p>.825"</p>	<p>1.748" w/slot</p>	<p>3 Pads</p>	<p>27</p>	<p><b>B-24 SERIES</b></p>
<p><b>Code: Various</b> Applies to 200C, 4L60, 4L60E</p>						
	<p>12.00" 298mm</p>	<p>1.704"</p>	<p>1.748" Slot</p>	<p>3/6 Pads</p>	<p>27/30</p>	<p><b>B-15/30 SERIES</b></p>
<p><b>Code: Various</b> B15/19/23 - Applies to 200C, 2004R, 3254L, 700R4 B16/20 - Applies to 250C, 350C B29/30 - Applies to 4L60, 4L60E</p>						
	<p>12.50" 310mm</p>	<p>1.704"</p>	<p>1.748" Slot</p>	<p>3 Pads</p>	<p>30</p>	<p><b>B-85 SERIES</b></p>
<p><b>Code: Various</b> Applies to 4L60E, 4L65E</p>						

# GENERAL MOTORS

## GM IDENTIFICATION CODES

### 245mm/258mm TC Identification Codes for 125C, 200C, 180C, 4L30E, 4T40E, 4T60/E, 4T65E, 700R4, 4L60E.

1st Digit Trans type	2nd Digit K-factor (stall)	3rd Digit Damper style	4th Digit Bolt circle
<b>F=</b> Front wheel Drive 125C & 440-T4 B-21 Family  <b>J=</b> Front wheel Drive 4T65E B-22 Family  <b>S=</b> THM180/180C (Straussburg) B-17 & B-25 Family  <b>H=</b> Rear Wheel Drive 200C & 700R4 B-24 Family	<b>A=</b> 240 2795 <b>B=</b> 220 2560 <b>C=</b> 205 2385 <b>D=</b> 180 2095  <b>E=</b> 160 1865 <b>F=</b> 148 1720 <b>G=</b> 140 1630 <b>H=</b> 130 1515 <b>J=</b> 177 2060 <b>K=</b> 237 2760 <b>L=</b> 163 1895 <b>M=</b> 131 1525 <b>P=</b> 240 2795 <b>S=</b> 1865 <b>T=</b> 1630 <b>Y=</b> 122 1420 <b>Z=</b> 203 2375	<b>0=</b> No clutch <b>1=</b> 120# <b>2=</b> 170# <b>3=</b> <b>4=</b> 215# Heavy Duty <b>5=</b> 215# RTC <b>6=</b> 170# H/D <b>7=</b> 215# RTC-H/D <b>8=</b> Viscous Clutch <b>9=</b> 240# 4 Lobe 10 Degree <b>A=</b> 215# <b>B=</b> 215# Co-Axial RTC <b>C=</b> Carbon Filled or 170# <b>D=</b> Paper Clutch <b>E=</b> Carbon Filled <b>F=</b> <i>Woven Graphite</i> <b>H=</b> Carbon Filled <b>K=</b> Carbon Filled <b>L=</b> Paper Clutch <b>M=</b> Paper Clutch (Luk) <b>P=</b> Carbon Filled <b>Q=</b> <i>Woven Graphite</i> <b>R=</b> 140# RTC Paper Clutch <b>V=</b> <i>Woven Graphite</i> <b>Y=</b> <i>Woven Graphite</i>	<b>A= FWD</b> Opel <b>B= FWD</b> 237mm 125C & 440T4 <b>C= FWD</b> Viscous Cadillac <b>D= RWD</b> 247.65mm L/U <b>E= RWD</b> 237mm N L/U 180C <b>F= RWD</b> 237mm L/U 180C <b>G= RWD</b> 247.65mm L/U 180C <b>H= RWD</b> 247.65mm N L/U 180C <b>J= RWD</b> 247.65mm L/U 180C <b>K= RWD</b> 237mm L/U 180C <b>M=FWD</b> 247.65mm L/U 4T65E <b>N= RWD</b> 237mm N L/U 180C <b>P= RWD</b> 237mm L/U 180C <b>S= RWD</b> 237mm L/U 180C 1.254 Pilot <b>T= RWD</b> 247.65 L/U 180C <b>U= RWD</b> 208mm L/U 180C <b>X= RWD</b> 237mm L/U 180C <b>Z= RWD</b> 247.65mm L/U 180C

**JZFM**

= 4T65E, 2375, Woven, 247 Bolt circle

## TRANSTAR MASTER CONVERSION CHART

### GM 245MM FRONT WHEEL DRIVE

#### CONVERTER AND STALL SPEED FWD (125C/ 4T60/ 4T60E) - NON/PWM PAPER LINING

PART STALL	B-21-9 1420	B-21-1 1525	B-21-2 1525 viscous	B-21-3 1630/1720	B-21-4 1865/1895	B-21-5 2060/2095	B-21-6 2375/2385	B-21-7 2560	B-21-8 2760/2795
	FY5	FH5	FM8	FF6	FE2	FA9B	FC1	FB1	FA1
	FY4B	FM4	FM8B	FG2	FE4	FD2	FC1B	FB2	FA2
	FY6B	FM5	FM8C	FG4	FE6	FD2B	FZ1	FB3	FA3
	FY7B	FM7		FG5	FE4B	FD4B	FZ2	FB2B	FA1B
	FY9B	FM9		FG9B	FL4	FD6B	FZ3	FB4B	FA2B
	FYAB	FM4B		FGAB	FL6	FDAB	FZ1B	FBAB	FA3B
		FM9B			FL4B	FJ2	FZ2B		FAAB
					FL9B	FJ2B	FZBB		FACB
					FLDB	FJ4B	FZRB		FK1
						FJ9B			FK2
						FJAB			FK3
						FJBB			FK1B
									FKBB

## TRANSTAR MASTER CONVERSION CHART

### GM 245MM FRONT WHEEL DRIVE (continued)

#### CONVERTER AND STALL SPEED FWD (4T40E-4T60E- 4T65E) - PWM CARBON FIBER LINING

PART	B-21-9P	B-21-1P	B-21-3P	B-21-4P	B-21-5P	B-21-6P	B-21-7P	B-21-8P
STALL	1420	1525	1630/1720	1865/1895	2060/2095	2375/2385	2560	2760/2795
	FYHB		FGHB FGKB	FLHB	FDHB FDKB FJHB	FZCB FZEB FZPB		

#### CONVERTER AND STALL SPEED FWD (4T40E-4T60E-4T65E) - PWM WOVEN GRAPHITE LINING

PART	B-21-9W	B-21-1W	B-21-3W	B-21-4W	B-21-5W	B-21-6W	B-21-7W	B-21-8W
STALL	1420	1525	1630/1720	1865/1895	2060/2095	2375/2385	2560	2760/2795
				FLQB	FDQB	FZFB	FBFB	

### GM 258 MM - 4T65E - FRONT WHEEL DRIVE

#### CONVERTER AND STALL SPEED FWD ( 4T65E) - PWM WOVEN GRAPHITE LINING

PART	B-22-9W	B-22-1W	B-22-3W	B-22-4W	B-22-5W	B-22-6W	B-22-7W	B-22-8W
STALL	1420	1525	1630/1720	1865/1895	2060/2095	2375/2385	2560	2760/2795
			JTFM	JJFM JZFM	JXFM			

### GM 245MM REAR WHEEL DRIVE

#### CONVERTER AND STALL SPEED RWD (200C-700R4-4L60E) - NON/PWM PAPER LINING

PART	B-24-9	B-24-1	B-24-3	B-24-4	B-24-5	B-24-6	B-24-7	B-24-8
STALL	1420	1525	1630/1720	1865/1895	2060/2095	2375/2385	2560	2760/2795
	HY9D			HE9D HL9D	HD2 HJAD HJ2	HZAD HZ2	HB1 HB2	HA1 HK1

#### CONVERTER AND STALL SPEED RWD (4L60E) - PWM CARBON FIBER LINING

PART	B-24-9P	B-24-1P	B-24-3P	B-24-4P	B-24-5P	B-24-6P	B-24-7P	B-24-8P
STALL	1420	1525	1630/1720	1865/1895	2060/2095	2375/2385	2560	2760/2795
	HYHD			HEHD HLHD	HJHD	HZHD	HBCD HBHD	

#### CONVERTER AND STALL SPEED RWD (4L60E) - PWM WOVEN GRAPHITE LINING

PART	B-24-9W	B-24-1W	B-24-3W	B-24-4W	B-24-5W	B-24-6W	B-24-7W	B-24-8W
STALL	1420	1525	1630/1720	1865/1895	2060/2095	2375/2385	2560	2760/2795
	HYQD			HLQD			HBFD	



### 298mm/310mm Torque Converter Identification Codes for 200C, 250C, 350C, 2004R, 325-4L, 700R4, 4L60E.

1st Digit Application	2nd Digit Stall	3rd Digit Clutch Damper style	4th Digit Cover
<b>B=</b> 250C & 350C B-16 Family  <b>C=</b> 200C, 2004R Pre i85 700R4 325-4L B-15 Family  <b>D=</b> 1985-Up 700R4 B-29 Family	<b>B=</b> 2025 <b>C=</b> 2075 (Brazed impellar) <b>E=</b> 1654 <b>F=</b> 1611 <b>G=</b> 1397 <b>H=</b> 1397 (Brazed impellar) <b>K=</b> 1211 (Brazed impellar) <b>L=</b> 1654 (Brazed impellar)	<b>1=</b> 300# step rate <b>2=</b> 240# step rate <b>3=</b> 290# poppet valve <b>4=</b> 160# straight rate <b>5=</b> 221# straight rate <b>6=</b> 195# straight rate <b>7=</b> 195# poppet valve <b>8=</b> 300# step rate <b>9=</b> 290# poppet valve <b>A=</b> 300# straight rate (pre 96) <b>A=</b> 300# Carbon / Woven (96-Up) <b>B=</b> 300# static open RTC <b>B=</b> 300# Carbon / Woven (96-Up) <b>C=</b> 330# step rate <b>C=</b> 330# Carbon / Woven (96-Up) <b>G=</b> 180# Carbon Filled Clutch <b>H=</b> 110# Carbon Filled Clutch <b>L=</b> 100# Carbon Filled Clutch <b>N=</b> 110# Woven Graphite Clutch <b>P=</b> 100# Woven Graphite Clutch <b>Z=</b> 225# straight rate - paper clutch	<b>C=</b> L/U, 3 lug gas  <b>D=</b> L/U, 3 lug deisel  <b>E=</b> L/U, 6 lug  <b>F=</b> L/U, 3 lug  <b>G=</b> L/U, 3 lug

**DLPF**

= 4L60/E, 1654, Woven, 3 lug cover

### TRANSTAR MASTER CONVERSION CHART

#### GM 298MM (27 SPLINE) RWD

CONVERTER AND STALL SPEED RWD (200C, 200R4, 325-4L, 700R4)

PART STALL	B-15L 1600	B-15 2000	B-15S 1400	B-15P 1600	B-19 1400	B-23 1400
			w/poppet gas	w/poppet gas	w/poppet diesel	6-lug diesel
	CE4C CF4C	CB4C CB5C	CG3C	CE3C CF9C	CG9D CH9D	CG5E

#### GM 298MM (30 SPLINE) RWD

CONVERTER AND STALL SPEED RWD (250C, 350C)

PART STALL	B-16S 1400	B-16L 1600	B-16 2000	B-20 1400 w/poppet diesel
	BG4C BG8D	BE4C BE4D BE8D BE8F BF4C	BB4C BB4D BB8D BB8F	BG9D BH9D

## TRANSTAR MASTER CONVERSION CHART

### GM 298MM (30 SPLINE) RWD

#### CONVERTER AND STALL SPEED RWD (700R4-4L60E - NON/PWM PAPER LINING)

PART STALL	B-29 1211	B-29L 1400	B-29M 1600	B-29H 2000	B-30 1211
	DK5F	DG5F DGAF DGAG	DE5F DE8F DEAF DEBF DF5F DL5F DL8F DLAF	DB8F DBAF DC8F DCAF	6-lug deisel DK5E

#### CONVERTER AND STALL SPEED RWD (4L60E) - PWM CARBON FIBER LINING

PART STALL	B-29P 1211	B-29LP 1400	B-29MP 1600	B-29HP 2000
	DKAF DKGF DKHF DKLF	DGHF DGHG DHHF DHHG	DELF DFLF DLLF	DBLF DCLF

#### CONVERTER AND STALL SPEED RWD (4L60E) - PWM WOVEN GRAPHITE LINING

PART STALL	B-29W 1211	B-29LW 1400	B-29MW 1600	B-29HW 2000
	DKNF DKPF	DHPF DHPG	DLNF DLPF	DBNF DCNF

### GM 310MM (RWD)

#### CONVERTER AND STALL SPEED RWD (4L60E) - PWM CARBON FIBER LINING








PART STALL	B-85LP 1400	B-85MP 1600
	TMAX TMBX	TLBX TLCX

#### CONVERTER AND STALL SPEED RWD (4L60E) - PWM WOVEN GRAPHITE LINING

PART STALL	B-85LW 1400	B-85MW 1600
	TMAX TMBX	TLBX TLCX

**NOTE:** GM code may refer to carbon fiber or woven graphite for 310mm converters.  
Determine computer strategy to obtain proper converter.


# GENERAL MOTORS

	DIA	Pilot	Hub	Mount	Spline	Part No.
<b>125 (M34), 3T40 - non lockup</b>						
	11"	.825"	1.748" w/bushing	3 Pads	27	<b>B-14</b>  C22
<b>Code:</b> 1980-81; Non-lockup, hub has inner bushing						
	11"	.825"	1.748" w/bushing	6 Pads	27	<b>B-14-6</b>  C22A
<b>Code:</b> 1980-81; Non-lockup, hub has inner bushing						
<b>125C (MD9), 3T40 - lockup</b>						
	10.25" 245mm	.825"	1.787" w/bushing	3 Pads	27	<b>B-21 SERIES</b>  SEE CHART
<b>Code: Various</b> Applies to 125C 1982-Up.						
<b>180 (MD3), 3L30 - non lockup</b>						
	9.5"	.900/.560"	1.873" Slot	3 Square Pads	22	<b>OP-1</b>  F02
<b>Code:</b> 1969-75; Opel, Fiat 1.4L engine						
	9.5"	.900/.560"	1.873" Slot	3 Round Pads	22	<b>OP-2</b>  F01
<b>Code:</b> 1969-75; Opel, Fiat 1.3L engine						
	10.5"	.900"	1.873" Slot	3 Brackets	22	<b>OP-3</b>  C38
<b>Code:</b> 9 5/8" Bolt hole circle diameter						
	10"	1.085"	1.873" Slot	3 Brackets	22	<b>B-13</b>  C19
<b>Code:</b> 1977-79; Chevette, T1000 1.6L						

# GENERAL MOTORS

DIA Pilot Hub Mount Spline Part No.

## 180 (MD3), 3L30 - non lockup (continued)

	10"	.825"	1.873" Slot	3 Pads	27	<b>B-17</b>
	<b>Code: SAO</b> 1980-81; Chevette, Chevelle 1.6L					C30


## 180C (MD2), 3L30 - lockup


The 245mm 180C converters are not only sorted by stall speed and piston lining, but by cover design as well:


1. Mounting pad spacing - 3 types: 208mm (8.195"), 237mm (9.338"), 247.65mm (9.757")
2. Pad thickness/Quantity - Thick (.500), Thin (.125), 3/6 pad
3. Pilot style - Short (1"), Long (1 1/2"), Large OD (1.260")

All known 180C/4L30E codes are listed (see below):

SAI B-25-8	SFHE B-25-3G	SF6X B-25-3C	SJLP B-25-5C	SPIU B-25-8B
SELP B-25-4C	SFHT B-25-3G	SGHH B-25-3W	SJLS B-25-5E	24210868 B-25-3Y
SE9P B-25-4C	SFLP B-25-3C	SJAJ B-25-5	SJ9K B-25-5C	24211269 B-25-3Y
SE9S B-25-4E	SFLT B-25-3B	SJHS B-25-5J	SJ9S B-25-5E	







	10.25"	.825" 1" long	1.873" Slot	3 Pads	27	<b>B-25-8</b>
	<b>Code: SAI</b> 1982-85; Chevette 9 3/4" bolt circle dia./thin pad.					C31

	10.25"	.825" 1.5" long	1.873" Slot	3 Pads	27	<b>B-25-5</b>
	<b>Code: SJAJ, SJCJ</b> 1987-Up; Postal vehicle LLV 9 3/4" bolt circle dia./thin pad.					C31A







	10.25"	.825" 1" long	1.873" Slot	3 Pads	27	<b>B-25-8B</b>
	<b>Code: SPIU (96012140)</b> 1990-Up Suzuki/Geo 8" bolt circle dia./thin pad.					4L30-2

GM







# GENERAL MOTORS

	DIA	Pilot	Hub	Mount	Spline	Part No.
<b>200 (M29) - non lockup</b>						
	9.75"	1.085"	1.748" Slot	3 Brackets	27	<b>B-10</b>  C14
<b>Code:</b> 1976-82; 4cyl. engine						
	11"	1.085"	1.748" Slot	3 Brackets	27	<b>B-12</b>  C15
<b>Code:</b> 1976-82; 4cyl. engine						
	12.5"	1.704"	1.748" Slot	3 Pads	27	<b>B-11</b>  C18
<b>Code:</b> USS or Metric threads. BOP Applications.						
	12.75"	1.704"	1.748" Slot	3 Brackets	27	<b>B-9</b>  C16
<b>Code:</b> Chevrolet Applications						
<b>200C (MV9) - lockup</b>						
	10.25" 245mm	.825"	1.748" w/slot	3 Pads	27	<b>B-24</b> <b>SERIES</b>  SEE CHART
<b>Code: Various</b> Applies to 1980-87 200C						
	12" 298mm	1.704"	1.748" Slot	3/6 Pads	27	<b>B-15</b> <b>SERIES</b>  SEE CHART
<b>Code: Various</b> B15/19/23 - Applies to 1980-87 200C						







# GENERAL MOTORS

	DIA	Pilot	Hub	Mount	Spline	Part No.
<b>2004R (MW9) - lockup</b>						
	12" 298mm	1.704"	1.748" Slot	3/6 Pads	27	<b>B-15 SERIES</b>  SEE CHART
<b>Code: Various</b> Note: May require static open (gas) or static closed (diesel) poppet valves. B15/19/23 - Applies to 1981-90 2004R						
<b>250/350 - non lockup</b>						
	12"	1.704"	1.873" Slot	3 Pads	30	<b>B-1A</b>  <i>P6</i>
<b>Code:</b> 1969-79; 8 cyl. Buick, Olds, Pontiac						
	12"	1.704"	1.873" Slot	3 Brackets	30	<b>B-35</b>  <i>C9</i>
<b>Code:</b> 1969-79; 8 cyl. Chevrolet						
	11.75"	1.704"	1.873" Slot	3 Brackets	30	<b>B-7</b>  <i>C10</i>
<b>Code:</b> 1969-79; 6 cyl. Chevrolet						
	11.75"	1.704"	1.873" Slot	3 Brackets	30	<b>P-9</b>  <i>C12</i>
<b>Code:</b> 1972-76; 4 cyl. Cooling shroud						
	10.75"	1.704"	1.873" Slot	3 Brackets	30	<b>P-10</b>  <i>C13</i>
<b>Code:</b> 1973-77; 4 cyl. Vega Cooling shroud						

# GENERAL MOTORS

	DIA	Pilot	Hub	Mount	Spline	Part No.
<b>250C/350C - lockup</b>						
	12" 298mm	1.704"	1.873" Slot	3 Pads	30	<b>B-16 SERIES</b>  <b>Code: Various</b> Note: May require static closed (diesel) poppet valve. B16/20 - Applies to 1980-86 250C/350C  SEE CHART
<b>300 SUPER TURBINE</b>						
	12.5"	1.704"	1.873" Slot	3 Pads	30	<b>B-1</b>  <b>Code:</b> Variable pitch stator; VP solenoid on front pump  GM1
	12"	1.704"	1.873" Slot	3 Pads	30	<b>B-1A</b>  <b>Code:</b> Fixed pitch stator  P6
	12"	1.704"	1.873" Slot	3 Pads	30	<b>B-4</b>  <b>Code:</b> Fixed pitch stator Cooling shroud  P4
<b>325(M32) - non lockup</b>						
	13"	1.704"	1.873" Slot	3 Pads	30	<b>B-3</b>  <b>Code:</b> 1979-81; US/Metric Threads Low Stall; 3 rows of ribs  GM3
	13"	1.704"	1.873" Slot	3 Pads	30	<b>B-3HS</b>  <b>Code:</b> 1979-81; US/Metric Threads High Stall; 2 rows of ribs  GM7

# GENERAL MOTORS

	DIA	Pilot	Hub	Mount	Spline	Part No.
<b>325 4L(M57) - lockup</b>						
	12" 298mm	1.704"	1.748" Slot	3/6 Pads	27	<b>B-15 SERIES</b>  SEE CHART
<b>Code: Various</b> B15/23 - Applies to 1982-85 325 4L						
<b>400 (M40), 425, 475 (3L80)</b>						
	13"	1.704"	1.873" Slot	3 Pads	30	<b>B-2</b>  <i>GM4</i>
<b>Code:</b> Variable pitch stator; VP solenoid on front pump Do not interchange with fixed pitch stator converters.						
	13"	1.704"	1.873" Slot	3 Pads	30	<b>B-3</b>  <i>GM3</i>
<b>Code:</b> U.S.S./Metric threads; Low stall						
	13"	1.704"	1.873" Slot	3 Pads	30	<b>B-3HS</b>  <i>GM7</i>
<b>Code:</b> 2 rows of ribs High stall; U.S.S./Metric threads						
	13"	1.704"	1.873" Slot	6 Pads	30	<b>B-6</b>  <i>GM5</i>
<b>Code:</b> U.S.S./Metric threads; Low stall						
	13"	1.704"	1.873" Slot	6 Pads	30	<b>B-6HS</b>  <i>GM6</i>
<b>Code:</b> 2 rows of ribs High stall; U.S.S./Metric threads						

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# GENERAL MOTORS

DIA Pilot Hub Mount Spline Part No.

## 4L30E (ML4)

The 245mm 4L30E converters are not only sorted by stall speed and piston lining, but by cover design as well:

1. Mounting pad spacing - 3 types: 208mm (8.195"), 237mm (9.338"), 247.65mm (9.757")
2. Pad thickness/Quantity - Thick (.500), Thin (.125), 3/6 pad
3. Pilot style - Short (1"), Long (1 1/2"), Large OD (1.260")

All known 180C/4L30E codes are listed (see below):

SAI B-25-8	SFHE B-25-3G	SF6X B-25-3C	SJLP B-25-5C	SPIU B-25-8B
SELP B-25-4C	SFHT B-25-3G	SGHH B-25-3W	SJLS B-25-5E	24210868 B-25-3Y
SE9P B-25-4C	SFLP B-25-3C	SJAJ B-25-5	SJ9K B-25-5C	24211269 B-25-3Y
SE9S B-25-4E	SFLT B-25-3B	SJHS B-25-5J	SJ9S B-25-5E	



10.25"	.825" 1" long	1.873" Slot	3 Pads	27	<b>B-25-3B</b>
<b>Code: SFLT (8681486)</b>					
On/Off Lining					
9 3/4" bolt circle dia./thick pad.					
4L30-3					



10.25"	.825" 1.5" long	1.873" Slot	3 Pads	27	<b>B-25-3C</b>
<b>Code: SFLP, SF6X</b>					
On/Off Lining					
9 3/8" bolt circle dia./thick pad.					
4L30-1					



10.25"	.825" 1" long	1.873" Slot	3 Pads	27	<b>B-25-3G</b>
<b>Code: SFHE, SFHT</b>					
Carbon Fiber Lining					
9 3/4" bolt circle dia./thick pad.					
4L30-3					








10.25"	.825" 1.5" long	1.873" Slot	6 Pads	27	<b>B-25-3W</b>
<b>Code: SGHH (24200319)</b>					
Carbon Fiber Lining					
9 3/8" bolt circle dia./thick pad.					
4L30-5					



10.25"	.825" 1" long	1.873" Slot	6 Pads	27	<b>B-25-3Y</b>
<b>Code: (24210868, 24211269)</b>					
Carbon Fiber Lining					
9 3/4" bolt circle dia./thick pad.					
NL					








# GENERAL MOTORS

	DIA	Pilot	Hub	Mount	Spline	Part No.
<b>4L30E (ML4) - (continued)</b>						
	10.25"	.825" 1.5" long	1.873" Slot	3 Pads	27	<b>B-25-4C</b>  4L30-1
<b>Code: SELP, SE9P</b> On/Off Lining 9 3/8" bolt circle dia./thick pad.						
	10.25"	1.260" OD	1.873" Slot	3 Pads	27	<b>B-25-4E</b>  4L30-4
<b>Code: SE9S (8678197, 9604117) BMW</b> On/Off Lining 9 3/8" bolt circle dia./thick pad.						
	10.25"	.825" 1.5" long	1.873" Slot	3 Pads	27	<b>B-25-5C</b>  4L30-1
<b>Code: SJLP, SJ9K</b> On/Off Lining 9 3/8" bolt circle dia./thick pad.						
	10.25"	1.260" OD	1.873" Slot	3 Pads	27	<b>B-25-5E</b>  4L30-4
<b>Code: SJLS, SJ9S BMW</b> On/Off Lining 9 3/8" bolt circle dia./thick pad.						
	10.25"	1.260" OD	1.873" Slot	3 Pads	27	<b>B-25-5J</b>  NL
<b>Code: SJHS BMW</b> Carbon Fiber Lining 9 3/8" bolt circle dia./thick pad.						







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# GENERAL MOTORS







	DIA	Pilot	Hub	Mount	Spline	Part No.
<b>4L60 (MD8), 4L60E (M30), 4L65E (M32)</b>						
	10.25" 245mm	.825"	1.748" Slot	3 Pads	27	<b>B-24 SERIES</b>  SEE CHART
<b>Code: Various</b> Applies to 4L60, 4L60E						
	12" 298mm	1.704"	1.748" Slot	3/6 Pads	27/30	<b>B-29/30 SERIES</b>  SEE CHART
<b>Code: Various</b> B29/30 - Applies to 4L60, 4L60E						
	12.5" 310mm	1.704"	1.748" Slot	3 Pads	30	<b>B-85 SERIES</b>  SEE CHART
<b>Code: Various</b> Applies to 4L60E, 4L65E						
<b>4L80E (MT1)</b>						
	13"	1.704"	1.999" Mill Flat	6 Pads	35	<b>B-81</b>  <b>Code:</b> 194, 492, 528, 576, 606, 670, 671, 675, 849 1991-on; 6.5L, 7.4L - 1st design (short hub) Low stall, Single element stator.
						4L80-1
	13"	1.704"	1.999" Mill Flat	6 Pads	35	<b>B-82</b>  <b>Code:</b> 193, 366, 526, 604 1991-on; 4.3L, 5.7L, 6.2L - 1st design (short hub) High stall, Dual element stator.
						4L80-2
	13"	1.704"	1.999" Mill Flat	6 Pads	35	<b>B-81B</b>  <b>Code:</b> 0827, 0829 2000-Up, 5.7L, 6.5L, 7.4L - 2nd design (long hub) Low stall, Single element stator.
						4L80-4L
	13"	1.704"	1.999" Mill Flat	6 Pads	35	<b>B-82B</b>  <b>Code:</b> 364, 830, 831 2000-Up, 5.7L, 6.5L, 7.4L - 2nd design (long hub) High stall, Single element stator.
						4L80-4H

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	DIA	Pilot	Hub	Mount	Spline	Part No.
<b>5L40E</b>						
	10.25" 245mm	1.260"	1.748" Slot	3 Pads	27	<b>B-25-2E</b>  NA
<b>Code: 24212839, 5459</b> Applies to 5L40E						
<b>4T40E (MN4), 4T45E (MN5)</b>						
	10.25" 245mm	.825"	1.787" w/bushing	3 Pads	27	<b>B-21 SERIES</b>  SEE CHART
<b>Code: Various</b> Applies to 4T40E, 4T45E.						
<b>4T60 (ME9), 4T60E (M13), 4T65E</b>						
	10.25" 245mm	.825"	1.787" w/bushing	3 Pads	27	<b>B-21 SERIES</b>  SEE CHART
<b>Code: Various</b> Applies to 4T60/E (Some 4T65E exc. Volvo) Note: Viscous models have wider pads.						
	10.25" 245mm	.825"	1.787" w/bushing	6 Pads	27	<b>B-21-1WS</b>  NA
<b>Code: FMVV</b> 1999-Up, Volvo w/4T65E Low stall, Woven Carbon clutch.						
	10.25" 245mm	.825"	1.787" w/bushing	6 Pads	27	<b>B-21-4WS</b>  NA
<b>Code: FLTV</b> 1999-Up, Volvo w/4T65E Medium stall, Woven Carbon clutch.						
<b>4T65E (MN3, M15, MN7 HD)</b>						
	10.75" 285mm	.825"	1.787" w/bushing	3 Pads	27	<b>B-22 SERIES</b>  SEE CHART
<b>Code: Various</b> Applies to 4T65E.						

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# GENERAL MOTORS







	DIA	Pilot	Hub	Mount	Spline	Part No.
<b>4T80E (MH1)</b>						
	11.25"	.825"	1.873" blank	4 brackets	30	<b>B-83</b>  C60
						<b>Code: 8683441</b> 1993-On Cadillac Allante Six sided hex pump shaft; Clutch Lockup
	11.25"	.825"	1.873" blank	4 brackets	30	<b>B-84</b>  C61
						<b>Code: 8683440</b> 1993-Up Cadillac Northstar, Spline type pump shaft, Viscous Lockup.
<b>ALLISON AT540/545, LCT1000/2000</b>						
	13"	1.704"	1.873" Slot	6 Pads	30	<b>DC-540</b>  TC290-6L
						<b>Code:</b> Furnace brazed; Allison bearing, medium stall
	13"	1.704"	1.873" w/bushing	6 Pads	30	<b>DC-545</b>  TC290-RV
						<b>Code:</b> Furnace brazed; Allison bearing, low stall, diesel applications.
	13"	1.704"	2.293" Mill Flat	6 Pads	30	<b>DC1000 SERIES</b>  NA
						<b>Code:</b> 210      2.06 RATIO <b>DC-1210</b> 211      2.01 RATIO <b>DC-1211</b> 221      1.75 RATIO <b>DC-1221</b> 222      1.63 RATIO <b>DC-1222</b>
<b>ALUMINUM POWERGLIDE</b>						
	10.75"	.905"	1.75" w/bushing	3 Brackets	22	<b>P-1</b>  C1
						<b>Code:</b> 1960-69; Corvair, Corvan truck Ring gear & cooling shroud

# GENERAL MOTORS

		DIA	Pilot	Hub	Mount	Spline	Part No.
<b>ALUMINUM POWERGLIDE (continued)</b>							
	11.75"	1.704"	1.873" Slot	3 Brackets	17	<b>P-6</b>	<b>C7</b>
		<b>Code:</b> 1963-73; 6 cyl. 250 engine Cooling shroud					
	11.75"	1.704"	1.873" Slot	3 Brackets	17	<b>P-3</b>	<b>C7A</b>
		<b>Code:</b> 1966-73; 6 cyl. water cooled engine					
	11.75"	1.704"	1.873" Slot	3 Brackets	17	<b>P-3</b>	<b>C5</b>
		<b>Code:</b> 1965; 396 engine					
	12.25"	1.704"	1.873" Slot	3 Brackets	17	<b>P-2</b>	<b>C3</b>
		<b>Code:</b> 1960-62; Iron Case, 1963-68; Aluminum Case 8 cyl. Mounting brackets have captive nuts					
	12.25"	1.704"	1.873" Slot	3 Brackets	17	<b>P-4</b>	<b>C4</b>
		<b>Code:</b> 1962-73; 283, 292, 307, 327, & 350 engines					
<b>SATURN TAAT</b>							
	10"	.905"	1.581" Slot	4 Nuts/clips	19	<b>HMS-1</b>	<b>ST1</b>
		<b>Code:</b> GP3, 76322 1991-on; Saturn					

GM

# GENERAL MOTORS



	DIA	Pilot	Hub	Mount	Spline	Part No.
<b>GM IMPORT</b>						
<b>A130/240/210</b>						
	9.625"	1.100" Cup	1.498" Slot	6 Pads	26	<b>TO-22</b>  <i>TOY-132</i>
	<b>Code:</b> 1985-on; Geo Metro, Sprint, Suzuki, Firefly: A210 45 deg. ribs; Non-lockup.					
	9.5"	1.100" Cup	1.498" Slot	6 Pads	26	<b>TO-29</b>  <i>TOY-133</i>
	<b>Code:</b> Stepped Impeller 1985-on; Geo Metro, Sprint, Suzuki, Firefly: A210 45 deg. ribs; Non-lockup.					
	9.5"	1.100" Cup	1.498" Slot	6 Pads	26	<b>TO-19</b>  <i>TOY-131</i>
	<b>Code:</b> Black paint dot 1984-on; Chevy Nova: A130 10 deg. ribs; Lockup, Low Stall.					
	10.25"	1.100"	1.498" Slot	6 Pads	26	<b>TO-39</b>  <i>TOY-135</i>
	<b>Code:</b> "7" white paint 1990 Geo Prizm: A130/A240 20 deg. ribs; Lockup, High Stall.					
<b>GEO - Spectrum, Storm &amp; F3A, JF403E</b>						
	9.5"	.787"	1.768" w/ bushing	4 Pads	18	<b>DA-7X</b>  <i>FT13</i>
	<b>Code:</b> KF4 1981-on; GEO Storm 3 speed, Chevy Spectrum F3A transmission; Non-lockup					
	10.25"	.785"	1.65" Mill Flat	6 Pads	18	<b>DA-20</b>  <i>JF-1</i>
	<b>Code:</b> A1, KF1 1989-on; GEO Storm 4 speed, Impulse JF403E transmission; Lockup					

# GENERAL MOTORS

DIA Pilot Hub Mount Spline Part No.

## GM IMPORT

### JR403E (tiltmaster truck)

	11"	.785"	1.808"	Ring 6 holes	24	DA-25
<p><b>Code:</b> GM/Isuzu truck, 4 cylinder turbo diesel. For additional JR403E listings, see Mitsubishi/Nissan sections. JR5</p>						
	11"	.785"	1.808"	4 Pads .375	24	DA-27
<p><b>Code:</b> GM/Isuzu truck, 4 cylinder turbo diesel. For additional JR403E listings, see Mitsubishi/Nissan sections. JR8</p>						

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125	PR5425HS	591	PR5448HS	B-4	PR4503	CT-21	PR6453	F-16	PR2423
145	PR5415	592	PR5448LS	B-52	PR4601	CT-23	PR6456	F-17	PR2503
168	PR5306	618	PR5409HS	B-52S	PR4601HS	CT-26	PR6455	F-18	PR2501
282	PR5412	627	PR5340HS	B-53	PR4608	CT-3	PR6403	F-19	PR2115
333	PR5303	642	PR5443HS	B-53S	PR4608W	CT-4	PR5204	F-2	PR2106
384	PR5302HS	703	PR5343HS	B-6	PR4608	CT-5	PR6405	F-20	PR2502
387	PR5409HS	762	PR5302	B-7	PR4514	CT-6	PR6406	F-21	PR2504
388	PR5310LS	764	PR5409	B-8	PR4704	CT-7	PR6447	F-22	PR2403
389	PR5424LS	781	PR5344HS	B-81	PR4640LS	CT-8	PR6448	F-23	PR2604
390	PR5424HS	785	PR5444HS	B-82	PR4640HS	CT-9	PR6408	F-23-4	PR2603
398	PR5310HS	787	PR5449HS	B-83	PR4850	DA-1	PR6701	F-23-8	PR2604
400	PR5423HS	787	PR5444HS	B-84	PR4851	DA-10	PR8711	F-24	PR2117
403	PR5301	853	PR5342HS	B-85	PR4843	DA-11	PR6744	F-26	PR2118
514	PR5440HS	878	PR5440HS	B-9	PR4804	DA-12	PR8047NL	F-27	PR2119
518	PR5409LS	AU-1	PR7901	BM-1	PR8001	DA-13	PR6745	F-28	PR2511
520	PR5425LS	B-1	PR4501	BM-10	PR7210	DA-14	PR6746	F-29	PR2606
546	PR5407	B-10	PR4801	BM-11	PR7241	DA-15	PR8049HS	F-2A	PR2109
557	PR5440LS	B-11	PR4805	BM-12	PR7242	DA-15L/S	PR8049LS	F-2X	PR2116
558	PR5440HS	B-12	PR4803	BM-13	PR7243	DA-16	PR8046	F-3	PR2202
559	PR5446LS	B-13	PR4802	BM-14	PR7244	DA-17	PR8048	F-30	PR2512
567	PR5346HS	B-14	PR4806	BM-15	PR7214	DA-18	PR6749	F-31	PR2514
568	PR5340HS	B-15	PR4840D	BM-16	PR7215	DA-19	PR8142NL	F-32	PR2516
569	PR5446HS	B-15L	PR4840D	BM-17	PR7245	DA-2	PR8702	F-33	PR2608
579	PR5203	B-15P	PR4845	BM-18	PR7246	DA-20	PR8146	F-34	PR2607
580	PR5202	B-16	PR4740D	BM-19	PR7247	DA-21	PR8043	F-35	PR2120
584	PR5341	B-17	PR4809	BM-2	PR7202	DA-22	PR8104	F-37	PR2701
629	PR5440HS	B-18	PR4805	BM-20	PR7248	DA-23	PR8105	F-38	PR2513
641	PR5416	B-19	PR4845	BM-21	PR7249	DA-24	PR8141	F-38L/S	PR2513LS
663	PR5340NLHS	B-1A	PR4505	BM-22	PR7645	DA-24-LS-F	PR8141LS-F	F-39	PR2301
664	PR5340NLLS	B-2	PR4605	BM-23	PR7341	DA-24-LS-G	PR8141LS-G	F-3X	PR2201
665	PR5346NLLS	B-20	PR4741	BM-24	PR7342	DA-25	PR8044	F-40	PR2522
766	PR5410	B-21-1	PR4847FH5	BM-25	PR7343	DA-26	PR8041	F-41	PR2302
783	PR5347HS	B-21-2	PR4847FM4B	BM-27	PR7345	DA-27	PR8056	F-42	PR2517
792	PR5345	B-21-3	PR4847FG9B	BM-3	PR7203	DA-28	PR8045	F-47	PR2129
831	PR5302	B-21-4	PR4847FL4B	BM-31	PR7347	DA-29A	PR8144	F-48	PR2524
839	PR5413	B-21-4P	PR4847FLHB	BM-4	PR7204	DA-3	PR6704	F-49	PR2616
858	PR5425HS	B-21-5	PR4847FJ2B	BM-5	PR7205	DA-30	PR6750	F-49D	PR2616D
862	PR5409HSN	B-21-5P	PR4847FJHB	BM-6	PR7206	DA-31	PR6753	F-49H	PR2616HS
863	PR5409N	B-21-6	PR4847FZ2B	BM-7	PR7207	DA-32	PR6752	F-49L	PR2616LS
871	PR5342HS	B-21-6P	PR4847FZHB	BM-7E	PR7213	DA-33	PR6749P	F-49LS	PR2616LS
873	PR5309	B-21-7	PR4847FB2	BM-7L	PR7212	DA-34	PR8143	F-50	PR6179
875	PR5440-N	B-21-8	PR4847FK1	BM-7S	PR7211	DA-36	PR8051	F-51	PR2303
877	PR5331	B-21-9	PR4847FY9B	BM-8	PR7208	DA-37	PR6748	F-51LS	PR2303LS
899	PR5342HS	B-21JSFM	PR4852JSFM	BM-9	PR7209	DA-38	PR6754	F-52	PR2640HS
918	PR5411	B-21JTFM	PR4852JTFM	CP-1	PR2510	DA-39	PR6751	F-52LS	PR2640LS
090	PR5401	B-22	PR4806-6	CP-2	PR2505	DA-4	PR6705	F-53	PR2641HS
359	PR5406	B-23	PR4840-6	CP-3	PR2506	DA-40	PR6747	F-53A	PR2641HS
385	PR5302LS	B-24-1	PR4848HY9D	CP-4	PR2507	DA-43	PR8053NL	F-53ALS	PR2641LS
499	PR5414	B-24-4	PR4848HE9D	CP-5	PR2508	DA-44	PR8148	F-53LS	PR2641LS
524	PR5423LS	B-24-5	PR4848HJ2	CP-6	PR2509	DA-48	PR6756	F-54	PR2540NL
526	PR5409	B-24-6	PR4848HZ2	CR-1	PR6301	DA-5	PR6740	F-55	PR2540NL
545	PR4609MS	B-24-7	PR4848HB1	CR-2	PR6302	DA-50	PR8054	F-56	PR2540NL
545D	PR4609M	B-24-8	PR4848HA1	CR-3	PR6303	DA-51	PR6757	F-57AA	PR2340AA
561	PR5440LS	B-25	PR4243	CR-4	PR6304	DA-6	PR6742	F-57H	PR2340AA
562	PR5440HS	B-25	PR4849	CT-1	PR6401	DA-7	PR8708	F-57H	PR2340BA
563	PR5340HS	B-25SJAJ	PR4849P	CT-10	PR6449	DA-7X	PR8718	F-57BA	PR2340BA
564	PR5340LS	B-26	PR4807	CT-11	PR6446	DA-8	PR6743	F-57CE	PR2341
565	PR5346LS	B-28	PR4808	CT-12	PR6445	DA-8	PR6743NL	F-57L	PR2340BAB
566	PR5442LS	B-29D	PR4842LS	CT-12-1	PR6445-1	DA-8-20	PR6741	F-57P	PR2340AF
578	PR5201HS	B-29H	PR4842HS	CT-13	PR6409	DA-8X	PR6743A	F-57P	PR2340BAA
578X	PR5205	B-29HP	PR4842BH	CT-13-1	PR6409-1	DA-9	PR6710	F-57S	PR2341
581	PR5205	B-29L	PR4842G	CT-15	PR6444	DC-540	PR4608A	F-57SDAA	PR2340BAA
581X	PR5201	B-29LP	PR4842GH	CT-15-1	PR6444-1	DC-545	PR4609	F-58	PR2440
582	PR5240	B-29M	PR4842	CT-15-2	PR6450	F-1	PR2107	F-58E	PR2441
582Y	PR5240N	B-29MP	PR4842EH	CT-16	PR6410	F-10	PR2409	F-58EHS	PR2442
583	PR5241N	B-3	PR4601	CT-17	PR6441	F-11	PR2418	F-58ELS	PR2441LS
585	PR5242	B-30	PR4842-6	CT-18	PR6451	F-12	PR2402	F-58LS	PR2440LS
586	PR5243	B-31	PR4846	CT-19	PR6452	F-13	PR2417	F-59	PR2647
590	PR5438LS	B-31HS	PR4846HS	CT-2	PR6402	F-14	PR2410	F-59D	PR2647D
590HS	PR5438HS	B-35	PR4701	CT-20	PR6454	F-15	PR2422	F-59D-6	PR2647D-6

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F-59H	PR2647N	OP-1	PR6601	SU-13	PR6546	VO-12	PR7612
F-59L	PR2647LSN	OP-2	PR8602	SU-2	PR6502	VO-13	PR7643
F-60	PR2644	OP-3	PR6603	SU-3	PR6503	VO-14	PR7340
F-61	PR2304	OP-6	PR6604	SU-4	PR6544	VO-2	PR7602
F-62	PR2305	P-1	PR3401	SU-5	PR6545	VO-3	PR7603
F-63	PR2645	P-10	PR4703	SU-6	PR6504	VO-4	PR7604
F-64	PR2500	P-2	PR3403	SU-7	PR6547	VO-5	PR7605
F-65	PR2642NL	P-3	PR3406	SU-8	PR6548	VO-6	PR7606
F-66	PR2643	P-4	PR3404	SU-9	PR6548NL	VO-7	PR7607
F-67	PR8145	P-5	PR3403	TO-1	PR6102	VO-8	PR7608
F-68E	PR2443	P-6	PR3405	TO-10	PR6110	VO-9	PR7609
F-68EHS	PR2445	P-7	PR3408	TO-11	PR8013	VW-1	PR7101
F-68ELS	PR2443LS	P-8	PR3405	TO-12	PR6111	VW-2	PR7102
F-69	PR8147	P-9	PR4513	TO-13	PR6109	VW-3	PR7104
F-7	PR2404	PT-1	PR7010	TO-14	PR6112	VW-4	PR7105
F-8	PR2405	PT-2	PR7011	TO-15	PR6115	VW-5	PR7106
F-9	PR2401	R-1	PR6801	TO-17	PR6047	VW-6	PR7107
FT-1	PR8101	R-10	PR6809	TO-18	PR6048	VW-7	PR7902
HMS-1	PR4240	R-12	PR6822	TO-18-9	PR6048-9		
HO-1	PR6641	R-13	PR6820	TO-19	PR6049		
HO-10	PR6649	R-14	PR6827	TO-2	PR6104		
HO-11	PR6647	R-15	PR6819	TO-20	PR6120		
HO-12	PR6653	R-16	PR6823	TO-21	PR8021		
HO-13	PR6650	R-17	PR5430	TO-21LS	PR8021LS		
HO-14	PR6654	R-18	PR5330	TO-22	PR6122		
HO-15	PR6658	R-19	PR6825	TO-23	PR6148		
HO-16	PR6656	R-20	PR6829	TO-24	PR6144		
HO-17	PR6655	R-21	PR5431HS	TO-25	PR6125		
HO-18	PR6657	R-22	PR5431LS	TO-26	PR6047A		
HO-2	PR6640	R-23	PR5330HS	TO-27	PR6147		
HO-2B	PR6640B	R-24	PR5330LS	TO-27-20	PR6249		
HO-3	PR6642	R-25	PR5433HS	TO-28	PR8040		
HO-4	PR6643	R-26	PR5333HS	TO-29	PR8720		
HO-5	PR6634	R-27	PR5433LS	TO-3	PR6105		
HO-6	PR6644	R-28	PR5433LS	TO-30	PR6124		
HO-7	PR6645	R-29	PR5433HS	TO-31	PR6131		
HO-8	PR6646	R-3	PR6800	TO-32	PR6046		
HO-9	PR6648	R-30	PR5433HS	TO-32LS	PR6046LS		
HONDA	PR6630	R-31	PR5333LS	TO-33	PR6142		
JA-1	PR7840	R-32	PR5445HS	TO-34	PR6241		
JA-2-22	PR7802	R-32LS	PR5445LS	TO-35	PR6242		
JA-2-23	PR7802	R-33	PR5405	TO-36	PR6243		
JAG-26	PR7803	R-34	PR5447	TO-36LS	PR6243LS		
JVT-1	PR7701	R-35	PR7143	TO-37	PR6244		
JVT-2	PR7702	R-4	PR6804	TO-38	PR6143		
JVT-3	PR7703	R-5	PR6807	TO-39	PR6245		
JVT-4-17	PR7708	R-6	PR6810	TO-4	PR6103		
JVT-4-29	PR7708	R-7	PR6821	TO-40	PR6246		
L-29	PR7408	R-9	PR6802	TO-41	PR6248		
MC-1	PR7301	R-9	PR6802	TO-42	PR6045		
MC-10	PR7310	RE-1	PR7501	TO-42LS	PR6045LS		
MC-11	PR7311	RE-10	PR7142	TO-44	PR6043		
MC-12	PR7315	RE-3	PR7502	TO-45	PR6042		
MC-13	PR7316	RE-4	PR7503	TO-46	PR6041		
MC-14	PR7317	RE-5	PR7504	TO-49	PR6051		
MC-15	PR7321	RE-6	PR7507	TO-5	PR6123		
MC-16	PR7318	RE-7	PR7508	TO-51	PR6052		
MC-17	PR7320	RE-8	PR7140	TO-52	PR6250		
MC-2	PR7302	RE-9	PR7141	TO-53	PR6053		
MC-3	PR7305	S-30	PR7506	TO-55	PR6255		
MC-4	PR7304	SA-1	PR7401	TO-56	PR6056		
MC-5	PR7303	SA-2	PR7402	TO-58	PR6258		
MC-6	PR7306	SA-3	PR7403	TO-6	PR6126		
MC-6X	PR7319	SA-4	PR7404	TO-60	PR6127		
MC-7	PR7307	SA-5	PR7405	TO-7	PR6106		
MC-8	PR7308	SA-6	PR7406	TO-8	PR6107		
MC-8X	PR7314	SU-1	PR6501	TO-9	PR6108		
MC-9	PR7309	SU-10	PR6505	VO-1	PR7601		
MZ-1	PR6201	SU-11	PR6541	VO-10	PR7610		
MZ-2	PR7505	SU-12	PR6543	VO-11	PR7640		

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PR2106	F-2	PR2603	F-23-4	PR4809	B-17	PR5340HS	568	PR5448HS	591
PR2107	F-1	PR2604	F-23	PR4840-6	B-23	PR5340HS	563	PR5448LS	592
PR2109	F-2A	PR2604	F-23-8	PR4840D	B-15	PR5340HS	627	PR5449HS	787
PR2115	F-19	PR2606	F-29	PR4840D	B-15L	PR5340LS	564	PR6041	TO-46
PR2116	F-2X	PR2607	F-34	PR4842	B-29M	PR5340NLHS	663	PR6042	TO-45
PR2117	F-24	PR2608	F-33	PR4842-6	B-30	PR5340NLLS	664	PR6043	TO-44
PR2118	F-26	PR2616	F-49	PR4842BH	B-29HP	PR5341	584	PR6045	TO-42
PR2119	F-27	PR2616D	F-49D	PR4842EH	B-29MP	PR5342HS	871	PR6045LS	TO-42LS
PR2120	F-35	PR2616HS	F-49H	PR4842G	B-29L	PR5342HS	899	PR6046	TO-32
PR2129	F-47	PR2616LS	F-49L	PR4842GH	B-29LP	PR5342HS	853	PR6046LS	TO-32LS
PR2201	F-3X	PR2616LS	F-49LS	PR4842HS	B-29H	PR5343HS	703	PR6047	TO-17
PR2202	F-3	PR2640HS	F-52	PR4842LS	B-29D	PR5344HS	781	PR6047A	TO-26
PR2301	F-39	PR2640LS	F-52LS	PR4843	B-85	PR5345	792	PR6048	TO-18
PR2302	F-41	PR2641HS	F-53	PR4845	B-15P	PR5346HS	567	PR6048-9	TO-18-9
PR2303	F-51	PR2641HS	F-53A	PR4845	B-19	PR5346LS	565	PR6049	TO-19
PR2303LS	F-51LS	PR2641LS	F-53ALS	PR4846	B-31	PR5346NLLS	665	PR6051	TO-49
PR2304	F-61	PR2641LS	F-53LS	PR4846HS	B-31HS	PR5347HS	783	PR6052	TO-51
PR2305	F-62	PR2642NL	F-65	PR4847FB2	B-21-7	PR5401	090	PR6053	TO-53
PR2340AA	F-57AA	PR2643	F-66	PR4847FG9B	B-21-3	PR5405	R-33	PR6056	TO-56
PR2340AA	F-57H	PR2644	F-60	PR4847FH5	B-21-1	PR5406	359	PR6102	TO-1
PR2340AF	F-57P	PR2645	F-63	PR4847FJ2B	B-21-5	PR5407	546	PR6103	TO-4
PR2340BA	F-57H	PR2647	F-59	PR4847FJHB	B-21-5P	PR5409	526	PR6104	TO-2
PR2340BA	F-57BA	PR2647D	F-59D	PR4847FK1	B-21-8	PR5409	764	PR6105	TO-3
PR2340BAA	F-57P	PR2647D-6	F-59D-6	PR4847FL4B	B-21-4	PR5409HS	387	PR6106	TO-7
PR2340BAA	F-57SDAA	PR2647LSN	F-59L	PR4847FLHB	B-21-4P	PR5409HS	618	PR6107	TO-8
PR2340BAB	F-57L	PR2647N	F-59H	PR4847FM4B	B-21-2	PR5409HSN	862	PR6108	TO-9
PR2341	F-57CE	PR2701	F-37	PR4847FY9B	B-21-9	PR5409LS	518	PR6109	TO-13
PR2341	F-57S	PR3401	P-1	PR4847FZ2B	B-21-6	PR5409N	863	PR6110	TO-10
PR2401	F-9	PR3403	P-2	PR4847FZHB	B-21-6P	PR5410	766	PR6111	TO-12
PR2402	F-12	PR3403	P-5	PR4848HA1	B-24-8	PR5411	918	PR6112	TO-14
PR2403	F-22	PR3404	P-4	PR4848HB1	B-24-7	PR5412	282	PR6115	TO-15
PR2404	F-7	PR3405	P-6	PR4848HE9D	B-24-4	PR5413	839	PR6120	TO-20
PR2405	F-8	PR3405	P-8	PR4848HJ2	B-24-5	PR5414	499	PR6122	TO-22
PR2409	F-10	PR3406	P-3	PR4848HY9D	B-24-1	PR5415	145	PR6123	TO-5
PR2410	F-14	PR3408	P-7	PR4848HZ2	B-24-6	PR5416	641	PR6124	TO-30
PR2417	F-13	PR4240	HMS-1	PR4849	B-25	PR5423HS	400	PR6125	TO-25
PR2418	F-11	PR4243	B-25	PR4849P	B-25SJJJ	PR5423LS	524	PR6126	TO-6
PR2422	F-15	PR4501	B-1	PR4850	B-83	PR5424HS	390	PR6127	TO-60
PR2423	F-16	PR4503	B-4	PR4851	B-84	PR5424LS	389	PR6131	TO-31
PR2440	F-58	PR4505	B-1A	PR4852JSFM	B-21JSFM	PR5425HS	125	PR6142	TO-33
PR2440LS	F-58LS	PR4513	P-9	PR4852JTFFM	B-21JTFFM	PR5425HS	858	PR6143	TO-38
PR2441	F-58E	PR4514	B-7	PR5201	581X	PR5425LS	520	PR6144	TO-24
PR2441LS	F-58ELS	PR4601	B-3	PR5201HS	578	PR5430	R-17	PR6147	TO-27
PR2442	F-58EHS	PR4601	B-52	PR5202	580	PR5431HS	R-21	PR6148	TO-23
PR2443	F-68E	PR4601HS	B-52S	PR5203	579	PR5431LS	R-22	PR6179	F-50
PR2443LS	F-68ELS	PR4605	B-2	PR5204	CT-4	PR5433HS	R-25	PR6201	MZ-1
PR2445	F-68EHS	PR4608	B-53	PR5205	578X	PR5433HS	R-29	PR6241	TO-34
PR2500	F-64	PR4608	B-6	PR5205	581	PR5433HS	R-30	PR6242	TO-35
PR2501	F-18	PR4608A	DC-540	PR5240	582	PR5433LS	R-27	PR6243	TO-36
PR2502	F-20	PR4608W	B-53S	PR5240N	582Y	PR5433LS	R-28	PR6243LS	TO-36LS
PR2503	F-17	PR4609	DC-545	PR5241N	583	PR5438HS	590HS	PR6244	TO-37
PR2504	F-21	PR4609M	545D	PR5242	585	PR5438LS	590	PR6245	TO-39
PR2505	CP-2	PR4609MS	545	PR5243	586	PR5440HS	514	PR6246	TO-40
PR2506	CP-3	PR4640HS	B-82	PR5301	403	PR5440HS	558	PR6248	TO-41
PR2507	CP-4	PR4640LS	B-81	PR5302	831	PR5440HS	629	PR6249	TO-27-20
PR2508	CP-5	PR4701	B-35	PR5302	762	PR5440HS	562	PR6250	TO-52
PR2509	CP-6	PR4703	P-10	PR5302HS	384	PR5440HS	878	PR6255	TO-55
PR2510	CP-1	PR4704	B-8	PR5302LS	385	PR5440LS	557	PR6258	TO-58
PR2511	F-28	PR4740D	B-16	PR5303	333	PR5440LS	561	PR6301	CR-1
PR2512	F-30	PR4741	B-20	PR5306	168	PR5440-N	875	PR6302	CR-2
PR2513	F-38	PR4801	B-10	PR5309	873	PR5442LS	566	PR6303	CR-3
PR2513LS	F-38LS	PR4802	B-13	PR5310HS	398	PR5443HS	642	PR6304	CR-4
PR2514	F-31	PR4803	B-12	PR5310LS	388	PR5444HS	785	PR6401	CT-1
PR2516	F-32	PR4804	B-9	PR5330	R-18	PR5444HS	787	PR6402	CT-2
PR2517	F-42	PR4805	B-11	PR5330HS	R-23	PR5445HS	R-32	PR6403	CT-3
PR2522	F-40	PR4805	B-18	PR5330LS	R-24	PR5445LS	R-32LS	PR6405	CT-5
PR2524	F-48	PR4806	B-14	PR5331	877	PR5446HS	569	PR6406	CT-6
PR2540NL	F-54	PR4806-6	B-22	PR5333HS	R-26	PR5446LS	559	PR6408	CT-9
PR2540NL	F-55	PR4807	B-26	PR5333LS	R-31	PR5447	R-34	PR6409	CT-13
PR2540NL	F-56	PR4808	B-28					PR6409-1	CT-13-1

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PR6410	CT-16	PR6750	DA-30	PR7315	MC-12	PR8056	DA-27
PR6441	CT-17	PR6751	DA-39	PR7316	MC-13	PR8101	FT-1
PR6444	CT-15	PR6752	DA-32	PR7317	MC-14	PR8104	DA-22
PR6444-1	CT-15-1	PR6753	DA-31	PR7318	MC-16	PR8105	DA-23
PR6445	CT-12	PR6754	DA-38	PR7319	MC-6X	PR8141	DA-24
PR6445-1	CT-12-1	PR6756	DA-48	PR7320	MC-17	PR8141LS-F	DA-24-LS-F
PR6446	CT-11	PR6757	DA-51	PR7321	MC-15	PR8141LS-G	DA-24-LS-G
PR6447	CT-7	PR6800	R-3	PR7340	VO-14	PR8142NL	DA-19
PR6448	CT-8	PR6801	R-1	PR7341	BM-23	PR8143	DA-34
PR6449	CT-10	PR6802	R-9	PR7342	BM-24	PR8144	DA-29A
PR6450	CT-15-2	PR6802	R-9	PR7343	BM-25	PR8145	F-67
PR6451	CT-18	PR6804	R-4	PR7345	BM-27	PR8146	DA-20
PR6452	CT-19	PR6807	R-5	PR7347	BM-31	PR8147	F-69
PR6453	CT-21	PR6809	R-10	PR7401	SA-1	PR8148	DA-44
PR6454	CT-20	PR6810	R-6	PR7402	SA-2	PR8602	OP-2
PR6455	CT-26	PR6819	R-15	PR7403	SA-3	PR8702	DA-2
PR6456	CT-23	PR6820	R-13	PR7404	SA-4	PR8708	DA-7
PR6501	SU-1	PR6821	R-7	PR7405	SA-5	PR8711	DA-10
PR6502	SU-2	PR6822	R-12	PR7406	SA-6	PR8718	DA-7X
PR6503	SU-3	PR6823	R-16	PR7408	L-29	PR8720	TO-29
PR6504	SU-6	PR6825	R-19	PR7501	RE-1		
PR6505	SU-10	PR6827	R-14	PR7502	RE-3		
PR6541	SU-11	PR6829	R-20	PR7503	RE-4		
PR6543	SU-12	PR7010	PT-1	PR7504	RE-5		
PR6544	SU-4	PR7011	PT-2	PR7505	MZ-2		
PR6545	SU-5	PR7101	VW-1	PR7506	S-30		
PR6546	SU-13	PR7102	VW-2	PR7507	RE-6		
PR6547	SU-7	PR7104	VW-3	PR7508	RE-7		
PR6548	SU-8	PR7105	VW-4	PR7601	VO-1		
PR6548NL	SU-9	PR7106	VW-5	PR7602	VO-2		
PR6601	OP-1	PR7107	VW-6	PR7603	VO-3		
PR6603	OP-3	PR7140	RE-8	PR7604	VO-4		
PR6604	OP-6	PR7141	RE-9	PR7605	VO-5		
PR6630	HONDA	PR7142	RE-10	PR7606	VO-6		
PR6634	HO-5	PR7143	R-35	PR7607	VO-7		
PR6640	HO-2	PR7202	BM-2	PR7608	VO-8		
PR6640B	HO-2B	PR7203	BM-3	PR7609	VO-9		
PR6641	HO-1	PR7204	BM-4	PR7610	VO-10		
PR6642	HO-3	PR7205	BM-5	PR7612	VO-12		
PR6643	HO-4	PR7206	BM-6	PR7640	VO-11		
PR6644	HO-6	PR7207	BM-7	PR7643	VO-13		
PR6645	HO-7	PR7208	BM-8	PR7645	BM-22		
PR6646	HO-8	PR7209	BM-9	PR7701	JVT-1		
PR6647	HO-11	PR7210	BM-10	PR7702	JVT-2		
PR6648	HO-9	PR7211	BM-7S	PR7703	JVT-3		
PR6649	HO-10	PR7212	BM-7L	PR7708	JVT-4-17		
PR6650	HO-13	PR7213	BM-7E	PR7708	JVT-4-29		
PR6653	HO-12	PR7214	BM-15	PR7802	JA-2-22		
PR6654	HO-14	PR7215	BM-16	PR7802	JA-2-23		
PR6655	HO-17	PR7241	BM-11	PR7803	JAG-26		
PR6656	HO-16	PR7242	BM-12	PR7840	JA-1		
PR6657	HO-18	PR7243	BM-13	PR7901	AU-1		
PR6658	HO-15	PR7244	BM-14	PR7902	VW-7		
PR6701	DA-1	PR7245	BM-17	PR8001	BM-1		
PR6704	DA-3	PR7246	BM-18	PR8013	TO-11		
PR6705	DA-4	PR7247	BM-19	PR8021	TO-21		
PR6710	DA-9	PR7248	BM-20	PR8021LS	TO-21LS		
PR6740	DA-5	PR7249	BM-21	PR8040	TO-28		
PR6741	DA-8-20	PR7301	MC-1	PR8041	DA-26		
PR6742	DA-6	PR7302	MC-2	PR8043	DA-21		
PR6743	DA-8	PR7303	MC-5	PR8044	DA-25		
PR6743A	DA-8X	PR7304	MC-4	PR8045	DA-28		
PR6743NL	DA-8	PR7305	MC-3	PR8046	DA-16		
PR6744	DA-11	PR7306	MC-6	PR8047NL	DA-12		
PR6745	DA-13	PR7307	MC-7	PR8048	DA-17		
PR6746	DA-14	PR7308	MC-8	PR8049HS	DA-15		
PR6747	DA-40	PR7309	MC-9	PR8049LS	DA-15L/S		
PR6748	DA-37	PR7310	MC-10	PR8051	DA-36		
PR6749	DA-18	PR7311	MC-11	PR8053NL	DA-43		
PR6749P	DA-33	PR7314	MC-8X	PR8054	DA-50		

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125	N/A	877	877	B-21-8W	C29C	B-29M	C40
145	145	878	878	B-21-8W	C55C	B-29MP	C48B
168	168	918	918	B-21-9	C49	B-29MW	C40C
282	282	090	090	B-21-9	C44	B-29P	C40B
333	212	566HS	410	B-21-9P	C49B	B-29W	C40C
359	359	578HS	578	B-21-9W	C49C	B-3	GM3
384	694	581HS	863	B-22-1W	N/A	B-30	C39
385	385	582Y	975A	B-22-3W	C65	B-35	C9
387	492	582Y	974A	B-22-4W	C66	B-3HS	GM7
388	880	582Y-90	N/A	B-22-5W	N/A	B-4	P4
389	580	584-90	979B	B-22-6W	N/A	B-6	GM5
390	490	585-90	981	B-22-7W	N/A	B-6HS	GM6
398	787	586-90	804	B-22-8W	N/A	B-7	C10
400	692	590HS	N/A	B-22-9W	N/A	B-81	4L80-1
403	403	B-1	GM1	B-23	C37	B-81B	4L80-4L
499	499	B-10	C14	B-24-1	N/A	B-82	4L80-2
518	125	B-11	C18	B-24-1P	N/A	B-82B	4L80-4H
520	520	B-12	C15	B-24-1W	N/A	B-83	C60
524	494	B-13	C19	B-24-3	N/A	B-84	C61
526	506	B-14	C22	B-24-3P	N/A	B-85LP	4L-1
546	546	B-14-6	C22A	B-24-3W	N/A	B-85LW	N/A
559	886	B-15	C24	B-24-4	C33	B-85MP	4L-2
561	850	B-15L	C21	B-24-4P	C33B	B-85-MW	N/A
562	405	B-15P	N/A	B-24-4W	C33C	B-9	C16
563	290	B-15S	N/A	B-24-5	C33	BM-1	ZF1
564	488	B-16	C27	B-24-5P	C33B	BM-11	ZF16
565	286	B-16L	C20	B-24-5W	C33C	BM-12	ZF22
566	432	B-16S	N/A	B-24-6	C35	BM-13	ZF19
567	725	B-17	C30	B-24-6P	C35B	BM-14	ZF21
568	627	B-19	N/A	B-24-6W	C35C	BM-16	ZF32
569	162	B-1A	P6	B-24-7	C35	BM-17	ZF26
578	597	B-2	GM4	B-24-7P	C35B	BM-18	ZF14A
579	829	B-20	N/A	B-24-7W	C35C	BM-18	ZF14B
580	101	B-21-1	C53	B-24-8	C35	BM-19	ZF24
581	861	B-21-1	C36	B-24-8P	C35B	BM-2	BMW3
582	974	B-21-1P	N/A	B-24-8W	C35C	BM-20	ZF23
583	977	B-21-1W	N/A	B-24-9	N/A	BM-21	ZF14
584	979	B-21-2	C54	B-24-9P	N/A	BM-22	ZF27
585	980	B-21-3	C52	B-24-9W	N/A	BM-23	ZF29
586	803	B-21-3P	C52B	B-25-2E	N/A	BM-24	ZF31
590	654	B-21-3W	C52C	B-25-3B	4L30-3	BM-25	ZF30
591	656	B-21-4	C34	B-25-3C	4L30-1	BM-26	N/A
592	655	B-21-4P	C52B	B-25-3G	4L30-3	BM-27	ZF35
641	641	B-21-4W	C52C	B-25-3W	4L30-5	BM-28	ZF34
642	642	B-21-5	C28	B-25-3Y	N/A	BM-29	ZF52
703	703	B-21-5	C51	B-25-4C	4L30-1	BM-3	ZF5
749	746	B-21-5P	C28A	B-25-4E	4L30-4	BM-31	ZF58
762	762	B-21-5W	C28C	B-25-5	C31A	BM-33	ZF51
764	764	B-21-6	C56	B-25-5C	4L30-1	BM-34	N/A
766	N/A	B-21-6	C51	B-25-5E	4L30-4	BM-35	ZF40
781	781	B-21-6	C29	B-25-5J	N/A	BM-36	ZF56
783	783	B-21-6P	C29B	B-25-8	C31	BM-39	ZF54
785	785	B-21-6W	C29C	B-25-8B	4L30-2	BM-4	ZF4
792	792	B-21-7	C29	B-29	C40	BM-40	N/A
831	N/A	B-21-7P	N/A	B-29H	C48	BM-45	ZF59
839	839	B-21-7W	N/A	B-29HP	C48B	BM-48	N/A
853	853	B-21-8	C56C	B-29HW	C48C	BM-5	ZF3
862	N/A	B-21-8	C55	B-29L	C40	BM-50	N/A
863	871	B-21-8	C29	B-29LP	C40B	BM-51	N/A
873	873	B-21-8P	C29B	B-29LW	C40C	BM-53	ZF53

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BM-6	ZF8	DA-16	MX4	DA-9	RN5	F-57W	A4LD-6
BM-7	ZF-15	DA-17	MX3	DC1000 SERIES	N/A	F-58	AXOD-1
BM-7E	ZF10A	DA-18	RE1	DC-540	TC290-6L	F-58E	AXODE-1L
BM-7L	ZF9	DA-19TT	FT15	DC-545	TC290-RV	F-58EHS	AXODE-4
BM-7S	ZF10	DA-2	3N7-D2	F-1	F1	F-58ELS	AXODE-2L
BM-8	ZF11	DA-20	JF-1	F-10	F10	F-58LS	AXOD-2
BM-9	ZF6	DA-21	N/A	F-11	F11	F-59D	E40D-3LHD
CP-1	F32	DA-22	FT17	F-12	F12	F-59D-6	E40D-4LHD
CP-2	F33	DA-23	FT18	F-13	F13	F-59HS	E40D-2LHD
CP-3	F33B	DA-24	MX6	F-14	F14	F-59LS	E40D-1LHD
CP-5	F33A	DA-24LS	MX5	F-15	F15	F-59P-6	E40D-5LHD
CR-1	FBW-C3	DA-25	JR5	F-16	F16	F-59R-6	N/A
CR-2	FBW-CR1	DA-26	MX8	F-18	F18	F-60	4R70W-1
CR-3	FBW-C4	DA-27	JR8	F-19	F2C	F-60HD	4R70W-1HDC
CR-4	FBW-H1	DA-28	FL9	F-2	F2	F-60LS	4R70W-1L
CT-10	KM176	DA-29	MX14	F-20	F19	F-61	F52
CT-11	KM177	DA-29A	MX13	F-21	F21	F-62	F51
CT-12	KM178	DA-2HS	3N7-D1	F-22	F14A	F-63	4R70W-2
CT-12-1	KM178A	DA-3	3N7-D4	F-23-4	F22L	F-64	F54
CT-13	KM183	DA-30	JR9	F-23-8	F22	F-65TT	ATX-4
CT-13-1	KM183A	DA-30	JR7	F-24	F5	F-66	ATX-5
CT-14	KM181	DA-31	JR6	F-26	F25	F-66LS	ATX-3
CT-15	KM175A	DA-32	RE3	F-28	F26	F-67	CD4-1
CT-15	KM175	DA-33	RE5	F-29	F30	F-68E	AXODE-3H
CT-15-1	KM175B	DA-34	MX10	F-2A	F2A	F-68EHS	AXODE-5
CT-15-2	KM175C	DA-36	JR3	F-2X	F2B	F-68ELS	AXODE-3L
CT-16	KM182	DA-37	RE10A	F-3	F3	F-68T	AXODE-6H
CT-17	KM178B	DA-38	RL9A	F-30	F27	F-68THS	N/A
CT-18	KM175D	DA-38LS	RL9B	F-32	F29	F-68TLS	AXODE-6L
CT-19	KM178C	DA-39	RE11	F-33	F31	F-68TS	AXODE-7
CT-2	138A/B	DA-4	3N7-D5	F-34	F31A	F-69	CD4-2
CT-20	KM175F	DA-40	3N7-D21	F-35	F29B	F-7	F7
CT-21	KM178D	DA-42	JR4	F-37	F37	F-70	CD4-3
CT-22	N/A	DA-43TT	FT19	F-38	F34	F-8	F8
CT-23	N/A	DA-44	N/A	F-38LS	F41	F-9	F9
CT-24	N/A	DA-45	MX12	F-39	F35	HMS-1	ST1
CT-25	N/A	DA-46TT	FT16A	F-3X	F3A	HO-1	H36
CT-26	N/A	DA-46TT	FT16A	F-40	F38	HO-10	H11
CT-27	N/A	DA-47	N/A	F-41	F36	HO-11	H10
CT-27-9	N/A	DA-48	JR2	F-42	F26A	HO-12	H21
CT-28	N/A	DA-48-24	JR1	F-47	F24	HO-12	H14
CT-29	N/A	DA-5	3N7-D8	F-48	F28L	HO-13	H13
CT-3	445	DA-50	MX15	F-48E	N/A	HO-14	H15
CT-4	836	DA-51	RE13	F-49	F30LST	HO-15	H18
CT-5	KM170	DA-52TT	FT16	F-49D	F53L	HO-16	H16
CT-6	KM180	DA-53	N/A	F-49HS	F56	HO-17	H17
CT-7	KM172	DA-54	JR10	F-49LS	F30L	HO-18	H22
CT-8	KM173	DA-55	N/A	F-50	F42	HO-19	N/A
CT-9	KM174	DA-56	N/A	F-51	N/A	HO-20	N/A
CT-9A	KM174A	DA-58	MX11	F-51LS	F39	HO-21	H23
DA-1	FBW-D1	DA-6	RL5	F-52	F47	HO-22	N/A
DA-10	FT11	DA-7	FT10	F-52LS	F43	HO-23	N/A
DA-11	RL4	DA-7X	FT13	F-53A	F46	HO-2B	H36A
DA-12TT	FT14	DA-8	3N7-D13	F-53ALS	F45	HO-3	H6
DA-12TT	FT12	DA-8	3N7-D13	F-56TT	F50	HO-5	H7
DA-13	RL8	DA-8	3N7-D20	F-57C	N/A	HO-7	H38
DA-13LS	RL6	DA-8-20	3N7-D17	F-57H	A4LD-1	HO-8	H12
DA-14	3N7-D16	DA-8TT	3N7-D14	F-57L	A4LD-2HD	HO-9	H9
DA-15	MX2	DA-8X	3N7-D22	F-57N	N/A	JA-2-23	J6SHROUD
DA-15LS	MX1	DA-8X	3N7-D15	F-57S	A4LD-3	JAG-26	J7

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## TRANSTAR - WEST COAST TRANSTAR

JVT-4-17	J4	R-21	848	TO-15	TOY-14	TO-57	TOY-60
JVT-4-29	J5	R-22	501	TO-17	TOY-15	TO-58	FBW-V19
L-29	DEL-1	R-23	498	TO-17HS	TOY-16	TO-59	TOY-59
MC-1	MZ1	R-24	496	TO-18	TOY-140	TO-6	TOY-6A
MC-10	MZ11	R-26	178	TO-18	TOY-140G	TO-60	TOY-15A
MC-11	MZ7	R-28	423	TO-18-9	TOY-540	TO-61	TOY-371
MC-12	MZ14	R-3	R3	TO-19	TOY-241	TO-62	FBW-V20
MC-13	MZ12	R-30	686	TO-19	TOY-131	TO-64	N/A
MC-14	MZ12B	R-31	177	TO-2	TOY-4	TO-66	N/A
MC-15	MZ12A	R-32	AMC-2	TO-20	TOY-13	TO-67	AW-450
MC-16	MZ10A	R-32LS	N/A	TO-20	TOY-141	TO-68	N/A
MC-17	MZ11A	R-33	AMC-1	TO-21	FBW-V11	TO-7	TOY-6
MC-18	MZ50	R-34	ZF25	TO-21LS	FBW-V16	TO-70	N/A
MC-19	MZ51	R-36	N/A	TO-22	TOY-137	TO-71	N/A
MC-2	MZ2	R-4	R4	TO-22	TOY-132	TO-72	N/A
MC-20	N/A	R-5	R5	TO-23	TOY-23	TO-74	N/A
MC-3	MZ5	R-6	R10	TO-24	TOY-18	TO-75	N/A
MC-4	MZ4	R-7	R7	TO-25	N/A	TO-77	N/A
MC-5	MZ3	R-9	CH1	TO-26	TOY-340	TO-78	N/A
MC-6	MZ16	RE-1	REN-2	TO-27	TOY-341L	TO-8	TOY-7
MC-6X	MZ13	RE-10	VKS-10	TO-27-20	TOY-347L	TO-80	TOY-U2
MC-7	N/A	RE-11	VKS-11	TO-27-20HS	TOY-347H	TO-85	N/A
MC-8	MZ9	RE-12	VKS-12	TO-27HS	TOY-341H	TO-88	TOY-150
MC-8X	MZ6	RE-3	REN-1	TO-28	TOY-342	TO-88HS	TOY-151
MC-9	MZ8	RE-4	REN-4	TO-29	TOY-133	TO-88HS	TOY-151
MZ-1	3N7-D3	RE-5	REN-5	TO-3	TOY-5	TO-9	TOY-8
N/A	F2D	RE-6	N/A	TO-30	FBW-V15	TO-90	N/A
N/A	CH2	RE-7	N/A	TO-31	TOY-138	VO-1	FBW-V1
N/A	SAAB-3	RE-8	VKS-8	TO-32	TOY-343H	VO-10	FBW-V12
N/A	SAAB-4	RE-9	VKS-9	TO-32LS	TOY-343L	VO-12	FBW-V13
N/A	FBW-V2	S-30	REN-6	TO-32LS-20	N/A	VO-13	ZF20
N/A	ZF2	SA-1	SAAB-1	TO-32LSTT	TOY-346L	VO-14	ZF28
N/A	ZF37	SA-2	FBW-V10	TO-32TT	TOY-346H	VO-15	ZF36
N/A	TOY-139	SA-3	SAAB-2	TO-33	TOY-24	VO-2	FBW-V5
N/A	TOY-240	SA-4	ZF33A	TO-34	TOY-440	VO-4	FBW-V4
OP-1	F02	SA-4LS	ZF33	TO-35	TOY-343	VO-4	J6
OP-2	F01	SU-1	M41-1	TO-36	FBW-V18	VO-5	FBW-V3
OP-3	C38	SU-10	M41-8	TO-36LS	FBW-V17	VO-6	FBW-V6
P-1	C1	SU-11	ECAT-1	TO-37	TOY-350	VO-7	FBW-V7
P-10	C13	SU-12	ECAT-2	TO-38	TOY-20	VO-8	FBW-V8
P-2	C3	SU-13	ECAT-3	TO-39	TOY-135	VW-1	VKS-1
P-3	C5	SU-14	M41-9	TO-4	TOY-3	VW-2	VKS-2
P-3	C7A	SU-15	N/A	TO-40	TOY-348	VW-4	VKS-5
P-4	C4	SU-16	N/A	TO-41	TOY-134	VW-5	VKS-3
P-6	C7	SU-17	ECAT-1A	TO-42	TOY-542A	VW-6	VKS-7
P-9	C12	SU-18	ECAT-4	TO-42LS	TOY-541	VW-7	VKS-5S
PT-1	ZF12	SU-19	N/A	TO-43	FBW-V14		
PT-2	ZF7	SU-2	M41-3	TO-44	TOY-344		
R-1	R1	SU-3	ZF13	TO-44-1	TOY-344A		
R-10	R9	SU-4	M41-5	TO-45	TOY-25		
R-12	R8	SU-5	M41-4	TO-45TT	TOY-26		
R-13	R12	SU-7	M41-4A	TO-46	TOY-441		
R-14	P01	SU-8	M41-5A	TO-48	TOY-136		
R-15	R11	TO-1	TOY-2	TO-5	TOY-3A		
R-16	IH2	TO-10	TOY-10	TO-51	TOY-543		
R-17	R14	TO-11	FBW-V9	TO-52	FBW-V52		
R-18	R13	TO-12	TOY-11	TO-53	TOY-442		
R-19	CH4	TO-12HS	TOY-12	TO-54	FBW-V58		
R-2	R2	TO-13	TOY-9	TO-55	TOY-58		
R-20	CH4A	TO-14	TOY-55F	TO-56	TOY-370		

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## WEST COAST TRANSTAR - TRANSTAR

101	580	861	581	ATX-4	F-65TT	C36	B-21-1
125	518	863	581HS	ATX-5	F-66	C37	B-23
145	145	871	863	AW-450	TO-67	C38	OP-3
162	569	873	873	AXOD-1	F-58	C39	B-30
168	168	877	877	AXOD-2	F-58LS	C4	P-4
177	R-31	878	878	AXODE-1L	F-58E	C40	B-29
178	R-26	880	388	AXODE-2L	F-58ELS	C40	B-29L
212	333	886	559	AXODE-3H	F-68E	C40	B-29M
282	282	918	918	AXODE-3L	F-68ELS	C40B	B-29LP
286	565	974	582	AXODE-4	F-58EHS	C40B	B-29P
290	563	977	583	AXODE-5	F-68EHS	C40C	B-29LW
359	359	979	584	AXODE-6H	F-68T	C40C	B-29MMW
385	385	980	585	AXODE-6L	F-68TLS	C40C	B-29W
403	403	981	585-90	AXODE-7	F-68TS	C44	B-21-9
405	562	090	090	BMW3	BM-2	C48	B-29H
410	566HS	138AB	CT-2	C1	P-1	C48B	B-29HP
423	R-28	3N7-D1	DA-2HS	C10	B-7	C48B	B-29MP
432	566	3N7-D13	DA-8	C12	P-9	C48C	B-29HW
445	CT-3	3N7-D13	DA-8	C13	P-10	C49	B-21-9
488	564	3N7-D14	DA-8TT	C14	B-10	C49B	B-21-9P
490	390	3N7-D15	DA-8X	C15	B-12	C49C	B-21-9W
492	387	3N7-D16	DA-14	C16	B-9	C5	P-3
494	524	3N7-D17	DA-8-20	C18	B-11	C51	B-21-5
496	R-24	3N7-D2	DA-2	C19	B-13	C51	B-21-6
498	R-23	3N7-D20	DA-8	C20	B-16L	C52	B-21-3
499	499	3N7-D21	DA-40	C21	B-15L	C52B	B-21-3P
501	R-22	3N7-D22	DA-8X	C22	B-14	C52B	B-21-4P
506	526	3N7-D3	MZ-1	C22A	B-14-6	C52C	B-21-3W
520	520	3N7-D4	DA-3	C24	B-15	C52C	B-21-4W
546	546	3N7-D5	DA-4	C27	B-16	C53	B-21-1
578	578HS	3N7-D8	DA-5	C28	B-21-5	C54	B-21-2
580	389	4L-1	B-85LP	C28A	B-21-5P	C55	B-21-8
597	578	4L-2	B-85MP	C28C	B-21-5W	C55C	B-21-8W
627	568	4L30-1	B-25-3C	C29	B-21-6	C56	B-21-6
641	641	4L30-1	B-25-4C	C29	B-21-7	C56C	B-21-8
642	642	4L30-1	B-25-5C	C29	B-21-8	C60	B-83
654	590	4L30-2	B-25-8B	C29B	B-21-6P	C61	B-84
655	592	4L30-3	B-25-3B	C29B	B-21-8P	C65	B-22-3W
656	591	4L30-3	B-25-3G	C29C	B-21-6W	C66	B-22-4W
686	R-30	4L30-4	B-25-4E	C29C	B-21-8W	C7	P-6
692	400	4L30-4	B-25-5E	C3	P-2	C7A	P-3
694	384	4L30-5	B-25-3W	C30	B-17	C9	B-35
703	703	4L80-1	B-81	C31	B-25-8	CD4-1	F-67
725	567	4L80-2	B-82	C31A	B-25-5	CD4-2	F-69
746	749	4L80-4H	B-82B	C33	B-24-4	CD4-3	F-70
762	762	4L80-4L	B-81B	C33	B-24-5	CH1	R-9
764	764	4R70W-1	F-60	C33B	B-24-4P	CH2	N/A
781	781	4R70W-1HDC	F-60HD	C33B	B-24-5P	CH4	R-19
783	783	4R70W-1L	F-60LS	C33C	B-24-4W	CH4A	R-20
785	785	4R70W-2	F-63	C33C	B-24-5W	DEL-1	L-29
787	398	974A	582Y	C34	B-21-4	E40D-1LHD	F-59LS
792	792	975A	582Y	C35	B-24-6	E40D-2LHD	F-59HS
803	586	978B	584-90	C35	B-24-7	E40D-3LHD	F-59D
804	586-90	A4LD-1	F-57H	C35	B-24-8	E40D-4LHD	F-59D-6
829	579	A4LD-2HD	F-57L	C35B	B-24-6P	E40D-5LHD	F-59P-6
836	CT-4	A4LD-3	F-57S	C35B	B-24-7P	ECAT-1	SU-11
839	839	A4LD-6	F-57W	C35B	B-24-8P	ECAT-1A	SU-17
848	R-21	AMC-1	R-33	C35C	B-24-6W	ECAT-2	SU-12
850	561	AMC-2	R-32	C35C	B-24-7W	ECAT-3	SU-13
853	853	ATX-3	F-66LS	C35C	B-24-8W	ECAT-4	SU-18



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## WEST COAST TRANSTAR - TRANSTAR

F01	OP-2	F8	F-8	H36	HO-1	MX15	DA-50
F02	OP-1	F9	F-9	H36A	HO-2B	MX2	DA-15
F1	F-1	FBW-C3	CR-1	H38	HO-7	MX3	DA-17
F10	F-10	FBW-C4	CR-3	H6	HO-3	MX4	DA-16
F11	F-11	FBW-CR1	CR-2	H7	HO-5	MX5	DA-24LS
F12	F-12	FBW-D1	DA-1	H9	HO-9	MX6	DA-24
F13	F-13	FBW-H1	CR-4	IH2	R-16	MX8	DA-26
F14	F-14	FBW-V1	VO-1	J4	JVT-4-17	MZ1	MC-1
F14A	F-22	FBW-V10	SA-2	J5	JVT-4-29	MZ10A	MC-16
F15	F-15	FBW-V11	TO-21	J6	VO-4	MZ11	MC-10
F16	F-16	FBW-V12	VO-10	J6SHROUD	JA-2-23	MZ11A	MC-17
F18	F-18	FBW-V13	VO-12	J7	JAG-26	MZ12	MC-13
F19	F-20	FBW-V14	TO-43	JF-1	DA-20	MZ12A	MC-15
F2	F-2	FBW-V15	TO-30	JR1	DA-48-24	MZ12B	MC-14
F21	F-21	FBW-V16	TO-21LS	JR10	DA-54	MZ13	MC-6X
F22	F-23-8	FBW-V17	TO-36LS	JR2	DA-48	MZ14	MC-12
F22L	F-23-4	FBW-V18	TO-36	JR3	DA-36	MZ16	MC-6
F24	F-47	FBW-V19	TO-58	JR4	DA-42	MZ2	MC-2
F25	F-26	FBW-V2	N/A	JR5	DA-25	MZ3	MC-5
F26	F-28	FBW-V20	TO-62	JR6	DA-31	MZ4	MC-4
F26A	F-42	FBW-V3	VO-5	JR7	DA-30	MZ5	MC-3
F27	F-30	FBW-V4	VO-4	JR8	DA-27	MZ50	MC-18
F28L	F-48	FBW-V5	VO-2	JR9	DA-30	MZ51	MC-19
F29	F-32	FBW-V52	TO-52	KM170	CT-5	MZ6	MC-8X
F29B	F-35	FBW-V58	TO-54	KM172	CT-7	MZ7	MC-11
F2A	F-2A	FBW-V6	VO-6	KM173	CT-8	MZ8	MC-9
F2B	F-2X	FBW-V7	VO-7	KM174	CT-9	MZ9	MC-8
F2C	F-19	FBW-V8	VO-8	KM174A	CT-9A	N/A	125
F2D	N/A	FBW-V9	TO-11	KM175	CT-15	N/A	766
F3	F-3	FL9	DA-28	KM175A	CT-15	N/A	831
F30	F-29	FT10	DA-7	KM175B	CT-15-1	N/A	862
F30L	F-49LS	FT11	DA-10	KM175C	CT-15-2	N/A	582Y-90
F30LST	F-49	FT12	DA-12TT	KM175D	CT-18	N/A	590HS
F31	F-33	FT13	DA-7X	KM175F	CT-20	N/A	B-15P
F31A	F-34	FT14	DA-12TT	KM176	CT-10	N/A	B-15S
F32	CP-1	FT15	DA-19TT	KM177	CT-11	N/A	B-16S
F33	CP-2	FT16	DA-52TT	KM178	CT-12	N/A	B-19
F33A	CP-5	FT16A	DA-46TT	KM178A	CT-12-1	N/A	B-20
F33B	CP-3	FT16A	DA-46TT	KM178B	CT-17	N/A	B-21-1P
F34	F-38	FT17	DA-22	KM178C	CT-19	N/A	B-21-1W
F35	F-39	FT18	DA-23	KM178D	CT-21	N/A	B-21-7P
F36	F-41	FT19	DA-43TT	KM180	CT-6	N/A	B-21-7W
F37	F-37	GM1	B-1	KM181	CT-14	N/A	B-22-1W
F38	F-40	GM3	B-3	KM182	CT-16	N/A	B-22-5W
F39	F-51LS	GM4	B-2	KM183	CT-13	N/A	B-22-6W
F3A	F-3X	GM5	B-6	KM183A	CT-13-1	N/A	B-22-7W
F41	F-38LS	GM6	B-6HS	M41-1	SU-1	N/A	B-22-8W
F42	F-50	GM7	B-3HS	M41-3	SU-2	N/A	B-22-9W
F43	F-52LS	H10	HO-11	M41-4	SU-5	N/A	B-24-1
F45	F-53ALS	H11	HO-10	M41-4A	SU-7	N/A	B-24-1P
F46	F-53A	H12	HO-8	M41-5	SU-4	N/A	B-24-1W
F47	F-52	H13	HO-13	M41-5A	SU-8	N/A	B-24-3
F5	F-24	H14	HO-12	M41-8	SU-10	N/A	B-24-3P
F50	F-56TT	H15	HO-14	M41-9	SU-14	N/A	B-24-3W
F51	F-62	H16	HO-16	MX1	DA-15LS	N/A	B-24-9
F52	F-61	H17	HO-17	MX10	DA-34	N/A	B-24-9P
F53L	F-49D	H18	HO-15	MX11	DA-58	N/A	B-24-9W
F54	F-64	H21	HO-12	MX12	DA-45	N/A	B-25-2E
F56	F-49HS	H22	HO-18	MX13	DA-29A	N/A	B-25-3Y
F7	F-7	H23	HO-21	MX14	DA-29	N/A	B-25-5J

WC            Transtar            WC            Transtar            WC            Transtar            WC            Transtar

## WEST COAST TRANSTAR - TRANSTAR

N/A	B-85LW	R1	R-1	TOY-16	TO-17HS	ZF10	BM-7S
N/A	B-85-MW	R10	R-6	TOY-18	TO-24	ZF10A	BM-7E
N/A	BM-26	R11	R-15	TOY-2	TO-1	ZF11	BM-8
N/A	BM-34	R12	R-13	TOY-20	TO-38	ZF12	PT-1
N/A	CT-22	R13	R-18	TOY-23	TO-23	ZF13	SU-3
N/A	CT-23	R14	R-17	TOY-24	TO-33	ZF14	BM-21
N/A	CT-24	R2	R-2	TOY-240	N/A	ZF14A	BM-18
N/A	CT-25	R3	R-3	TOY-241	TO-19	ZF14B	BM-18
N/A	CT-26	R4	R-4	TOY-25	TO-45	ZF-15	BM-7
N/A	CT-27	R5	R-5	TOY-26	TO-45TT	ZF16	BM-11
N/A	CT-27-9	R7	R-7	TOY-3	TO-4	ZF19	BM-13
N/A	CT-28	R8	R-12	TOY-340	TO-26	ZF2	N/A
N/A	CT-29	R9	R-10	TOY-341H	TO-27HS	ZF20	VO-13
N/A	DA-21	RE1	DA-18	TOY-341L	TO-27	ZF21	BM-14
N/A	DA-44	RE10A	DA-37	TOY-342	TO-28	ZF22	BM-12
N/A	DA-47	RE11	DA-39	TOY-343	TO-35	ZF23	BM-20
N/A	DA-53	RE13	DA-51	TOY-343H	TO-32	ZF24	BM-19
N/A	DA-55	RE3	DA-32	TOY-343L	TO-32LS	ZF25	R-34
N/A	DA-56	RE5	DA-33	TOY-344	TO-44	ZF26	BM-17
N/A	DC1000	REN-1	RE-3	TOY-344A	TO-44-1	ZF27	BM-22
N/A	F-48E	REN-2	RE-1	TOY-346H	TO-32TT	ZF28	VO-14
N/A	F-51	REN-4	RE-4	TOY-346L	TO-32LSTT	ZF29	BM-23
N/A	F-57C	REN-5	RE-5	TOY-347H	TO-27-20HS	ZF3	BM-5
N/A	F-57N	REN-6	S-30	TOY-347L	TO-27-20	ZF30	BM-25
N/A	F-59R-6	RL4	DA-11	TOY-348	TO-40	ZF31	BM-24
N/A	F-68THS	RL5	DA-6	TOY-350	TO-37	ZF32	BM-16
N/A	HO-19	RL6	DA-13LS	TOY-370	TO-56	ZF33	SA-4LS
N/A	HO-20	RL8	DA-13	TOY-371	TO-61	ZF33A	SA-4
N/A	HO-22	RL9A	DA-38	TOY-3A	TO-5	ZF34	BM-28
N/A	HO-23	RL9B	DA-38LS	TOY-4	TO-2	ZF35	BM-27
N/A	MC-20	RN5	DA-9	TOY-440	TO-34	ZF36	VO-15
N/A	MC-7	SAAB-1	SA-1	TOY-441	TO-46	ZF37	N/A
N/A	R-32LS	SAAB-2	SA-3	TOY-442	TO-53	ZF4	BM-4
N/A	R-36	SAAB-3	N/A	TOY-5	TO-3	ZF40	BM-35
N/A	RE-6	SAAB-4	N/A	TOY-540	TO-18-9	ZF5	BM-3
N/A	RE-7	ST1	HMS-1	TOY-541	TO-42LS	ZF51	BM-33
N/A	SU-15	TC290-6L	DC-540	TOY-542A	TO-42	ZF52	BM-29
N/A	SU-16	TC290-RV	DC-545	TOY-543	TO-51	ZF53	BM-53
N/A	SU-19	TOY-10	TO-10	TOY-55F	TO-14	ZF54	BM-39
N/A	TO-25	TOY-11	TO-12	TOY-58	TO-55	ZF56	BM-36
N/A	TO-32LS-20	TOY-12	TO-12HS	TOY-59	TO-59	ZF58	BM-31
N/A	TO-64	TOY-13	TO-20	TOY-6	TO-7	ZF59	BM-45
N/A	TO-66	TOY-131	TO-19	TOY-60	TO-57	ZF6	BM-9
N/A	TO-68	TOY-132	TO-22	TOY-6A	TO-6	ZF7	PT-2
N/A	TO-70	TOY-133	TO-29	TOY-7	TO-8	ZF8	BM-6
N/A	TO-71	TOY-134	TO-41	TOY-8	TO-9	ZF9	BM-7L
N/A	TO-72	TOY-135	TO-39	TOY-9	TO-13		
N/A	TO-74	TOY-136	TO-48	TOY-U2	TO-80		
N/A	TO-75	TOY-137	TO-22	VKS-1	VW-1		
N/A	TO-77	TOY-138	TO-31	VKS-10	RE-10		
N/A	TO-78	TOY-139	N/A	VKS-11	RE-11		
N/A	TO-85	TOY-14	TO-15	VKS-12	RE-12		
N/A	TO-90	TOY-140	TO-18	VKS-2	VW-2		
N/A	BM-48	TOY-140G	TO-18	VKS-3	VW-5		
N/A	BM-51	TOY-141	TO-20	VKS-5	VW-4		
N/A	BM-50	TOY-15	TO-17	VKS-5S	VW-7		
N/A	BM-40	TOY-150	TO-88	VKS-7	VW-6		
P01	R-14	TOY-151	TO-88HS	VKS-8	RE-8		
P4	B-4	TOY-151	TO-88HS	VKS-9	RE-9		
P6	B-1A	TOY-15A	TO-60	ZF1	BM-1		