

Chart Use Example:

TG0140AS010AAAB Torqmotor™ includes part numbers listed to the right of TG (SERIES), 0140 (DISP.), AS (MOUNTING/PORTING), 01(SHAFT), 0 (ROTATION), and AAAB (OPTION) shown in the left hand column of the chart.

Caution:

The charted component service information is for the Torqmotors listed only. Refer to the original equipment manufacturer of the equipment using the Torqmotor for assembly numbers not listed below.

EXPLODED VIEW												
SERIES	ITEM #	'5 & 6	7	9	11	'13	'14	'15	17	'19	20	25
	DESCRIPTION	COMMUTATOR ASSEMBLY	MANIFOLD (see note)	WEAR PLATE	THRUST BEARING	INNER BEARING	THRUST WASHER(2)	THRUST BEARING	BACKUP WASHER	OUTER BEARING	DIRT & WATER SEAL	BACKUP WASHER
TG-Service Part #	ME018000A1	ME015000	477342	068024	071031	400136	069017	028515	068027	478035	029118	

EXPLODED VIEW ² (SELECT ITEM # BOLT PER OPTION GROUP)										
	ITEM #	1	or 1A	or 1B	or 1C	8A	8B	10		
DISPLACEMENT GROUP	DISPLACEMENT (in ³ /rev)	BOLT (7)	BOLT (7)	BOLT (7)	BOLT (7)	ROTOR THICKNESS	ROTOR SET	FREE RUNNING ROTOR SET	DRIVE LINK	DRIVE LINK "L DIM"
	0140-	8.6	021390	021273	021273	021379	.6286	ME097003	ME097007	ME093000
0170-	10.3	021376	021387	021387	021392	.7518	ME107003	ME107007	ME103000	4.5650
0195-	12.0	021352	021379	021379	021291	.8768	ME127003	ME127007	ME123000	4.6905
0240-	14.5	021272	021291	021291	021412	1.0643	ME157003	ME157007	ME153000	4.8795
0280-	17.1	021340	021392	021392	021385	1.2518	ME187003	ME187007	ME183000	5.0685
0310-		021340		021385		1.3738	ME197003	ME197007	ME193000	5.1935
0335-	20.6	021273	021385	021385	021366	1.5018	ME217003	ME217007	ME213000	5.3195
0405-	24.7	021379	021366	021415	021374	1.7923	ME247003	ME247007	ME243000	5.6045
0475-	29.1	021392	021394	021394	021393	2.1268	ME297003	ME297007	ME293000	5.9475
0530-	32.3	021385	021393	021393	021395	2.3768	ME337003	ME337007	ME333000	6.1985
0625-	38.0	021366	021329	021329	021458	2.7536	ME377003	N/A	ME373000	6.5745
0785-	48.0	021395	021388	021388	021416	3.5036	ME487003	N/A	ME483000	7.3285
0960-	58.5	021396	021389	021389	021399	4.2536	ME587003	N/A	ME583000	8.0815

FRONT PORTING	Mounting Code Porting Code	EXPLODED VIEW				SPEED SENSOR	
		ITEM #		'18	'18A	18	18
		DESCRIPTION	PORTING	SERVICE HOUSING ASS'Y	O-RING (2)	SERVICE HOUSING ASS'Y	SENSOR
MS-	Standard (4 Bolt)	7/8" O-Ring	ME012001A3		ME012301A3	455069	
US-	Wheel Mt. (4 Bolt)	7/8" O-Ring	ME012002A3		ME012302A3	455069	
AS-	SAE A (2 Bolt)	7/8" O-Ring	ME012006A3		ME012306A3	455069	
BS-	SAE B (2 Bolt)	7/8" O-Ring	ME012019A3		ME012319A3	455069	
HS-	Wheel (US) with Machined Pilot Nose	7/8" O-Ring	ME012008A3				
AM-	SAE A (2 Bolt)	Manifold	ME012028A3	032790	ME012328A3	455069	
MM-	Standard (4 Bolt)	Manifold	ME012018A3	032790			
AT-	SAE A (2 Bolt)	1/2" BSPF	ME012027A3				
MT-	Standard (4 Bolt)	1/2" BSPF	ME012010A3		ME012310A3	455069	

HOUSING GROUP	Mounting Code Porting Code	EXPLODED VIEW				SPEED SENSOR		
		ITEM #		1, 1A, 1B, 1C	2	'18	18	18
		DESCRIPTION	PORTING	BOLT	END COVER	SERVICE HOUSING ASS'Y	SERVICE HOUSING ASS'Y	SENSOR
MA-	Standard (4 Bolt)	Rear Port (7/8" O-Ring; Axial)	Item #1B	ME016009	ME012004A3			
UA-	Wheel Mt. (4 Bolt)	Rear Port (7/8" O-Ring; Axial)	Item #1B	ME016009	ME012005A3			
AA-	SAE A (2 Bolt)	Rear Port (7/8" O-Ring; Axial)	Item #1B	ME016009	ME012007A3	ME012307A3	455069	
WA-	Wheel, Optional (4 Bolt)	Rear Port (7/8" O-Ring; Axial)	Item #1B	ME016009	ME012011A3			
VA-	SAE A (4 Bolt)	Rear Port (7/8" O-Ring; Axial)	Item #1B	ME016009	ME012049A3			
MB-	Standard (4 Bolt)	Rear Port (7/8" O-Ring; Radial)	Item #1B	ME016002	ME012004A3			
UB-	Wheel Mt. (4 Bolt)	Rear Port (7/8" O-Ring; Radial)	Item #1B	ME016002	ME012005A3			
AB-	SAE A (2 Bolt)	Rear Port (7/8" O-Ring; Radial)	Item #1B	ME016002	ME012007A3	ME012307A3	455069	
WB-	Wheel, Optional (4 Bolt)	Rear Port (7/8" O-Ring; Radial)	Item #1B	ME016002	ME012011A3			
VB-	SAE A (4 Bolt)	Rear Port (7/8" O-Ring; Radial)	Item #1B	ME016002	ME012049A3			
ME-	Standard (4 Bolt)	Rear Port (Manifold; Radial)	Item #1B	ME016001J1	ME012004A3			
UE-	Wheel Mt. (4 Bolt)	Rear Port (Manifold; Radial)	Item #1B	ME016001J1	ME012005A3			
AE-	SAE A (2 Bolt)	Rear Port (Manifold; Radial)	Item #1B	ME016001J1	ME012007A3	ME012307A3	455069	
WE-	Wheel, Optional (4 Bolt)	Rear Port (Manifold; Radial)	Item #1B	ME016001J1	ME012011A3			
VE-	SAE A (4 Bolt)	Rear Port (Manifold; Radial)	Item #1B	ME016001J1	ME012049A3			



	EXPLODED VIEW		SPEED SENSOR						
	ITEM #	12	12	12A	12B	12C	12D	12E	12F
	DESCRIPTION	COUPLING SHAFT	COUPLING SHAFT	KEY	NUT	WASHER	5/8-18 BOLT	LOCK WASHER	RETAINING RING
COUPLING SHAFT GROUP	01-	Long 6B Snapwire Groove	ME019001	ME019301					
	02-	Long Woodruff, 1/4" Tap Snapwire Groove	ME019002	ME019302	038015*				
	03-	1.25" Straight Keyed 5/8-18 Int. Thd.	ME019003	ME019303	039028		028413	021482	028992 401333
	04-	10B Spline	ME019004	ME019304					
	05-	14 Tooth Spline 5/8-18 Int. Thd.	ME019005	ME019305			028413	021482	028992
	06-	19 Tooth Spline	ME019006						
	07-	15 Tooth Spline	ME019007						
	08-	1.25" Tapered Shaft	ME019000	ME019300	038016**	3025126			
	19-	1.38" Tapered 1.125-18 Thd.	ME019010		038016**	7025138			
	20-	1.38" Straight Key 5/8 Tap	ME019011	ME019311	039028		028518	021482	028992 401658

*(1/4 x 1)

** (5/16x1)

	EXPLODED VIEW										
	ITEM #	2 ¹ , 1A, 1B, 1C	2	3	4	16	6 ²¹ & 22	4,6 ²²	6 ²³	6 ²⁴	
	DESCRIPTION	BOLT (7)	END COVER	COMMUTATOR SEAL	INNER RING (5)	INNER SEAL	PLUG & O-RING ASSEMBLY	O-RING	SPRING (2)	VALVE	SENSOR
	AAAA	Black Paint	Item #1	ME016000	032435	032819	032817				
	AAAC	Corrosion Resistant Paint	Item #1	ME016000	032435	032819	032817				
	AAAF	Castle Nut Replacing Patch Lock Nut	Item #1	ME016000	032435	032819	032817				
	AAAG	Fluorocarbon Seals	Item #1	ME016000	032435	032820	032818				
	AAAT	Bidirectional Shuttle Valve Endcover 11:00	Item #1A	6ME016003A1	032435	032819	032817	036297	032791	401642	415569
	AAAU	Bidirectional Shuttle Valve Endcover 11:00 & Castle Nut	Item #1A	6ME016003A1	032435	032819	032817	036297	032791	401642	415569
	BBBA	1000 PSI Cross Port Relief Endcover	Item #1C	6ME016004A1	032435	032819	032817	411063A1	032424		41001210(2), 1000 PSI
	BBBG	1500 PSI Cross Port Relief Endcover	Item #1C	ME016004A5	032435	032819	032817	411063A1	032424		41000976(2), 1500 PSI
	BBBB	2000 PSI Cross Port Relief Endcover	Item #1C	6ME016004A2	032435	032819	032817	411063A1	032424		41001220(2), 2000 PSI
	BBCG	2500 PSI Cross Port Relief Endcover	Item #1C	ME016004A6	032435	032819	032817	411063A1	032424		41001225(2), 2500 PSI
	BBBC	3000 PSI Cross Port Relief Endcover	Item #1C	6ME016004A3	032435	032819	032817	411063A1	032424		41001230(2), 3000 PSI
	BBBD	4000 PSI Cross Port Relief Endcover	Item #1C	6ME01604A4	032435	032819	032817	411063A1	032424		41001240(2), 4000 PSI
	FSAA	Speed Sensor Option	Item #1	ME016000	032435	032819	032817				455069

For reverse timed manifold, use ME015001.

¹ Service housing ass'y ITEM #18 with part number suffix-A1 includes ITEM #13, #14 two req'd, #15 and #19.

² Select the required bolt number in designated "DISPLACEMENT GROUP" under bolt ITEM #1, 1A, 1B or 1C shown in designated "OPTION GROUP."

³ 1-20 UNEF slotted nut #025113 is required on 1-1/4" tapered shaft if the designated "OPTION GROUP" is AAAF, AAAN, or AAAU.

⁴ ITEM #22 is part of plug & o-ring ass'y's but can be serviced separately.

⁵ Service end cover ME016001J1 includes two #032790 o-rings, ITEM 18A on the exploded ass'y view that can also be serviced separately.

⁶ End cover assembly item #2 also includes item #21, #22, #24 and if required item #23. All but item #21 can be serviced separately.

⁷ ME018001A1 commutator ass'y. is required if the designated "OPTION GROUP" is AAAM, AAAN, or AAAP.

⁸ Order (2) #032790 seals for parts when ordering manifold-style porting.

Standard seal kit #SK000092 includes six #032819 seal rings, #032435 commutator seal, #032817 inner seal, #028515 and #029118 back washers, #478035 dirt & water seal, #406018 grease pack, bulletin #050016.

Special seal kit #SK000093 for units that use fire retardant fluids includes six #032820 seal rings, #032435 commutator seal, #032818 inner seal, #028515 and #029118 back up washers, #478035 dirt & water seal, #406018 grease pack, bulletin #050016.

Vespel commutator seal AAAJ #032439. High temp seal black in color.

(08) 1-1/4 Shaft zinc di chromate Castle Nut 1-20 #025139

(08) 1-1/4 Shaft Castle Nut 1-20 #025113

(19) 1-3/8 Shaft Zinc DiChromate Castle Nut 1-1/4-18 #025139

