

**Parts Replacement Manual Supplement
For**

**Dodge® TORQUE-ARM II® Tapered Bushed
20:1 Ratio Speed Reducers**

**TA0107L20
TA1107H20
TA2115H20
TA3203H20
TA4207H20
TA5215H20**

WARNING: Because of the possible danger to person(s) or property from accidents which may result from the improper use of products, it is important that correct procedures be followed. Products must be used in accordance with the engineering information specified in the catalog. Proper installation, maintenance and operation procedures must be observed. The instructions in the instruction manuals must be followed. Inspections should be made as necessary to assure safe operation under prevailing conditions. Proper guards and other suitable safety devices or procedures, as may be desirable, or as may be specified in safety codes should be provided, and are neither provided by Baldor Electric Company, nor are the responsibility of Baldor Electric Company. This unit and its associated equipment must be installed, adjusted and maintained by qualified personnel who are familiar with the construction and operation of all equipment in the system and the potential hazards involved. When risks to persons or property may be involved, a holding device must be an integral part of the driven equipment beyond the speed reducer output shaft.

Parts for TA0107L thru TA5215H Taper Bushed 20:1 Double Reduction Reducers

Ref.	Description	Qty.	TA0107L	TA1107H	TA2115H	TA3203H	TA4207H	TA5215H
1	Housing-LH	1	900202	901202	902202	903202	904202	905202
2	Housing-RH	1	900203	901203	902203	903203	904203	905203
§	RTV Sealant, Tube	1	465044	465044	465044	465044	465044	465044
4	Housing Bolt	14	411253	411253	411412	411412	411460	411460
5	Flat Washer	28	900241	900241	902241	902241	904241	904241
6	Nut	14	407085	407085	407087	407087	407091	407091
7	Lock-Washer	14	419010	419010	419011	419011	419013	419013
8§	Dowel Pin	2	901248	901248	304624	901248	304624	304624
9	Backstop Shaft Cover	1	901279	901279	901279	903279	904279	905279
10	Backstop Cover Gasket	1	901280	901280	901280	903280	904280	905280
11	Backstop Cover Screw	6♣	417038	417038	417038	417038	417038	411051
12	Lock-Washer	6♣	419045	419045	419045	419045	419045	419046
13	Input Oil Seal							
	20:1 Ratio♣	1	901235	901235	902235	304924	244524	304932
14	Output Oil Seal	2	900234	352122	243578	244673	245545	246310
15	Air Vent	1	241237	241237	241237	241237	245237	245237
16	Bushing	1	N/A	N/A	N/A	N/A	430079	430079
17§	Oil Plug	4	430031	430031	430031	430031	430035	430035
18	Magnetic Oil Plug	1	430060	430060	430060	430060	430064	430064
21	Output Bearing Shim-As Req'd							
	.015" Shim		900263	901263	902263	903263	904263	905263
	.005" Shim		900264	901264	902264	903264	904264	905264
	.002" Shim		900265	901265	902265	903265	904265	905265
22	Input Bearing Shim-As Req'd							
	.015" Shim		901267	901271	902271	903267	903271	905271
	.005" Shim		901268	901272	902272	903268	903272	905272
	.002" Shim		901269	901273	902273	903269	903273	905273
41	Counter-Shaft Bearing Shim-As Req'd							
	.015" Shim		900267	901267	901271	903267	903271	905271
	.005" Shim		900268	901268	901272	903268	903272	905272
	.002" Shim		900269	901269	901273	903269	903273	905273
23	Output Gear	1	900208	901208	902208	903208	904208	905208
26	Output Hub	1	900230	901230	902230	903230	904230	905230
27	Output Gear Key	1	900275	901275	901275	903275	904275	905275
28	Input Pinion Key							
	20:1 Ratio♣	1	901277	901277	902277	903277	904277	905277
29	Input Pinion							
	20:1 Ratio♣	1	963081	963083	963085	963087	963089	963091
38	First Stage Gear							
	20:1 Ratio♣	1	963080	963082	963084	963086	963088	963090
39	Counter-Shaft Pinion	1	900209	901209	902209	903209	904209	905209
40	First Stage Gear Key	1	900276	901276	902276	903276	904276	905276
600	Backstop Assembly 20:1 Ratio	1	901102	901102	902102	903102	904102	905102
100	Torque-Arm Adapter Bracket	2	900500	901500	902500	903500	904500	905500
	Torque-Arm Rod Kit★	1	241244	241244	242244	242244	244475	244475
101	▲ Torque-Arm Rod End	1	241245	241245	243245	243245	245245	245245
102	▲ Torque-Arm Extension	1	241247	241247	243247	243247	245247	245247
103	▲ Torque-Arm Turnbuckle	1	241246	241246	243246	243246	245246	245246
104	▲ RH Nut	1	407093	407093	407095	407095	407097	407097
105	▲ LH Nut		407242	407242	407244	407244	407246	407246
106	Torque-Arm Bushing	1	242242	242243	243243	243243	245243	245243
107	Torque-Arm Fulcrum	1	241249	241249	243249	243249	246249	246249
108	Torque-Arm Bolt	1	411412	411412	411437	411437	411460	411460
109	Torque-Arm Lock-Washer	1	419011	419011	419012	419012	419013	419013
110	Torque-Arm Nut	1	407087	407087	407089	407089	407091	407091
111	Torque-Arm Bolt	1	411456	411456	411484	411484	411484	411484
112	Torque-Arm Nut	1	407091	407091	407093	407093	407093	407093
200	Bushing Back-Up Plate	2	241266	901301	243308	903301	904301	905301
203	Retaining Ring	2	421111	901304	421109	903304	421107	421055

Parts for TA1107H thru TA5215H Taper Bushed 20:1 Double Reduction Reducers

Ref.	Description	Qty.	TA0107L	TA1107H	TA2115H	TA3203H	TA4207H	TA5215H
204	Bushing Cap Screw	6	411405	411390	902306	411408	411408	411456
205	Bushing Lock-Washer	6	419010	419010	419011	419011	419011	419013
24	Output Bearing Cup	2	900250	901250	403003	903252	403016	403140
25	Output Bearing Cone	2	900251	901251	402003	402268	402193	402050
30	Input Bearing Cup-LH							
	20:1Ratio▲	1	403165	403063	403094	304809	304809	403005
31	Input Bearing Cup-RH							
	20:1Ratio▲	1	403165	403063	403094	403101	904256	403005
32	Input Bearing Cone-LH							
	20:1 Ratio▲	1	402265	402108	304753	411626-05-K	411626-05-K	304717
33	Input Bearing Cone-RH							
	20:1Ratio▲	1	402265	402108	304707	402271	904257	402001
34	Counter-Shaft Bearing Cup-LH	1	304833	403165	304836	403101	304809	403005
35	Counter-Shaft Bearing Cup-RH	1	304833	403165	304836	403101	304809	403005
36	Counter-Shaft Bearing Cone-LH	1	304740	402265	411626-05-B	402271	304710	402001
37	Counter-Shaft Bearing Cone-RH	1	304740	402265	411626-05-B	402271	304710	402001
44	Auxiliary Output Seal	2	900236	901236	902236	903236	904236	905236
45	Auxiliary Input Seal							
	20:1 Ratio ▲	1	901238	901238	902238	903238	904238	905238
400	Screw Conveyor Adapter	1	900401	901401	902401	903401	904401	905401
401	Screw Conveyor Keeper Plate	1	900402	901402	902402	903402	904402	905402
402	Screw Conveyor Wedge	1	900403	901403	902403	903403	904403	905403
403	Screw Conveyor Drive Shaft							
	1-1/2" Shaft	1	900421	901421	902421	903421	N/A	N/A
	1-1/2" Shaft, Stainless Steel	1	900429	901429	902429	903429	N/A	N/A
	2" Shaft	1	900422	901422	902422	903422	904422	905422
	2" Shaft, Stainless Steel	1	900430	901430	902430	903430	904430	905430
	2-7/16" Shaft	1	900423	901423	902423	903423	904423	905423
	2-7/16" Shaft, Stainless Steel	1	900431	901431	902431	903431	904431	905431
	3" Shaft	1	900424	901424	902424	903424	904424	905424
	3" Shaft, Stainless Steel	1	900432	901432	902432	903432	904432	905432
	3-7/16" Shaft	1	N/A	N/A	N/A	N/A	904425	905425
	3-7/16" Shaft, Stainless Steel	1	N/A	N/A	N/A	N/A	904433	905433
404	Retaining Bolt	1	411549	411549	411549	411551	411551	411551
405	Lock-Washer	1	419014	419014	419014	419016	419016	419016
406	Drive Shaft Key	1	900405	901405	902405	903405	904405	905405
407	Drive Shaft Washer	1	900404	901404	902404	903404	904404	905404
408	Seal	2	901411	901411	902411	353085	904411	905411
409	Bolt	4	411410	411410	411435	411456	411456	411483
410	Lock-Washer	4	419011	419011	419012	419012	419013	419014
411	Retaining Ring	1	900406	901406	902406	903406	904406	905406
412	Adjustable Packing Retainer	1	900413	901413	902413	903413	904413	905413
413	Adjustable Packing Gland Stud	2	400404	400404	400404	400404	400404	400404
414	Adjustable Packing Gland Nut	2	407202	407202	407202	407202	407202	407202
415	Sealing Rings	3	900416	901416	902416	903416	904416	905416

Notes:

- § Not shown on drawing.
- ★ Includes parts listed immediately below marked "▲".
- ▲ Makes up assembly under which it is listed.
- ♣ 8 required on TA5215H.
- ♠ See Table 11 for actual ratio.

ACTUAL RATIOS

Table 11 – Actual Ratios

Nominal Ratio 20:1	Reducer Size					
	TA0107L	TA1107H	TA2115H	TA3203H	TA4207H	TA5215H
Actual Ratio	20.327	20.306	21.647	21.763	21.818	21.706

BALDOR

World Headquarters
P.O. Box 2400, Fort Smith, AR 72902-2400 U.S.A., Ph: (1) 479.646.4711, Fax (1) 479.648.5792, International Fax (1) 479.648.5895
Dodge Product Support
6040 Ponders Court, Greenville, SC 29615-4617 U.S.A., Ph: (1) 864.297.4800, Fax: (1) 864.281.2433
www.baldor.com

© Baldor Electric Company

All Rights Reserved. Printed in USA.

MN1646
(Replaces 499388)



06/30/09