

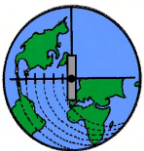
UNIVERSAL MOTION COMPONENTS

SPARE PARTS CATALOG

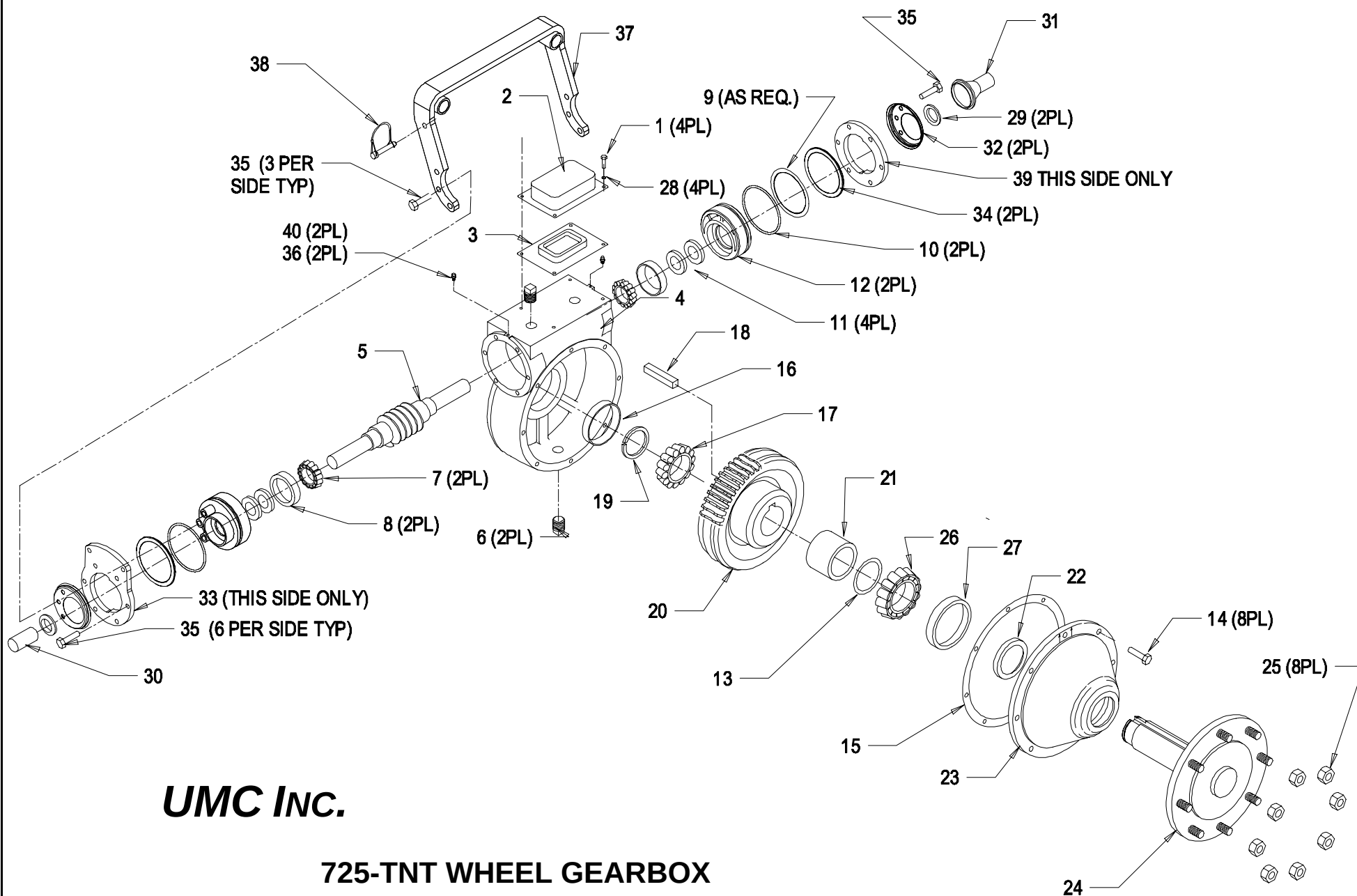
IRRIGATION - Towable

MODEL	Description	P/N	PAGE
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UNIVERSAL MOTION COMPONENTS, Co. Inc.



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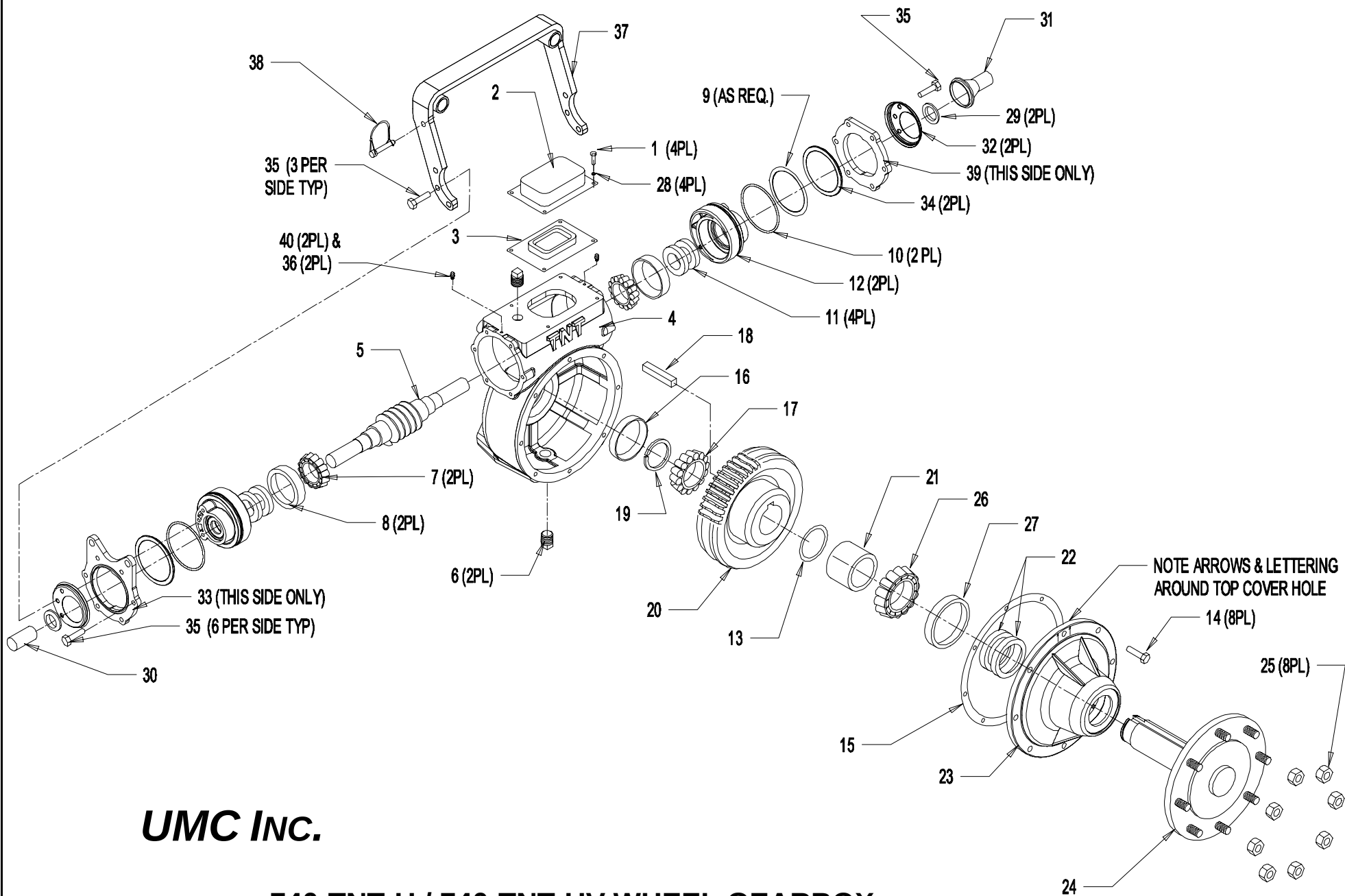
UMC Inc.

**725-TNT WHEEL GEARBOX
10140-101A**

WHEEL GEARBOX 725-TNT ** RETAIL PARTS / MATERIAL LIST

10140-101A

ITEM	QTY	DESCRIPTION	PART #
1	4	SCREW, HEX HEAD CAP ¼-20 x .75	06141-801A
2	1	COVER, EXPANSION CHAMBER (TNT SERIES)	10140-218A
3	1	DIAPHRAGM, RUBBER	06143-704A
4	1	HOUSING, DRIVE TNT UNIVERSAL	10140-202A
5	1	WORM, TNT SERIES 50:1	10140-201A
6	2	PLUG, PIPE ½" NPT	06141-803A
7	2	BEARING, CONE 1.1875" ID	06141-804A
8	2	BEARING, CUP 2.5312" OD	06141-805A
9	A/R	SHIM, INPUT (VARIOUS SIZES)	10141-209*
10	2	O-RING 4mm x 86 mm ID	10140-702A
11	4	SEAL, OIL 1.000 X 1.750 X .25 (INPUT)	06141-703D
12	2	CAP, END TNT SERIES	10140-207A
13	A/R	SHIM, O/P 2 ¼" ID (VARIOUS SIZES)	06145-203*
14	8	SCREW, HEX HEAD CAP 3/8-16 x 1.0 LONG	06141-802A
15	1	GASKET, COVER (10.19)	06141-706A
16	1	BEARING, CUP 3.250" OD	06143-802A
17	1	BEARING, CONE 2.000" ID	06141-806A
18	1	KEY, ½" SQ x 2.88" LONG	06141-809A
19	1	RING, SNAP 1.880" ID	06141-808A
20	1	GEAR, 50:1 2 ¼" ID UNIVERSAL	06147-209A
21	1	SPACER, TNT SHAFT	10140-206A
22	1	SEAL, OIL 2.250 X 3.000 X .43 OUTPUT (TRIPLE LIP)	06145-701E
23	1	COVER, GEARBOX 2 ¼" TNT	06147-211E
24	1	SHAFT ASSY, OUTPUT 2 ¼" TNT	10140-220A
25	8	NUT, LUG 9/16-18	06142-801A
26	1	BEARING, CONE 2 ¼" ID	06145-802A
27	1	BEARING, CONE 3 13/16" OD	06145-801A
28	8	WASHER, LOCK SPRING ¼"	06147-802A
29	2	SEAL, SHAFT FACE RUBBER 1.0000"	06147-707A
30	1	SHAFT PROTECTOR CAP – RED	06147-903A
31	1	GUARD, SHAFT (HUB CAP)	06147-218A
32	2	DUST CAP, TNT	10140-205A
33	1	END PLATE, STANDARD TNT	10140-203A
34	2	BEARING, WASHER TNT	10140-208A
35	18	SCREW, HX HD CAP 5/16 – 18 X 1	10140-801A
36	2	LUBE FITTING, DRIVE TYPE 3/16" DRILL	08790-803A
37	1	HANDLE, TNT	10140-204A
38	1	LOCK PIN, 3/8"	10140-217A
39	1	END PLATE, COMMON TNT	10140-223A
40	2	FITTING CAP, RED	04301-902A



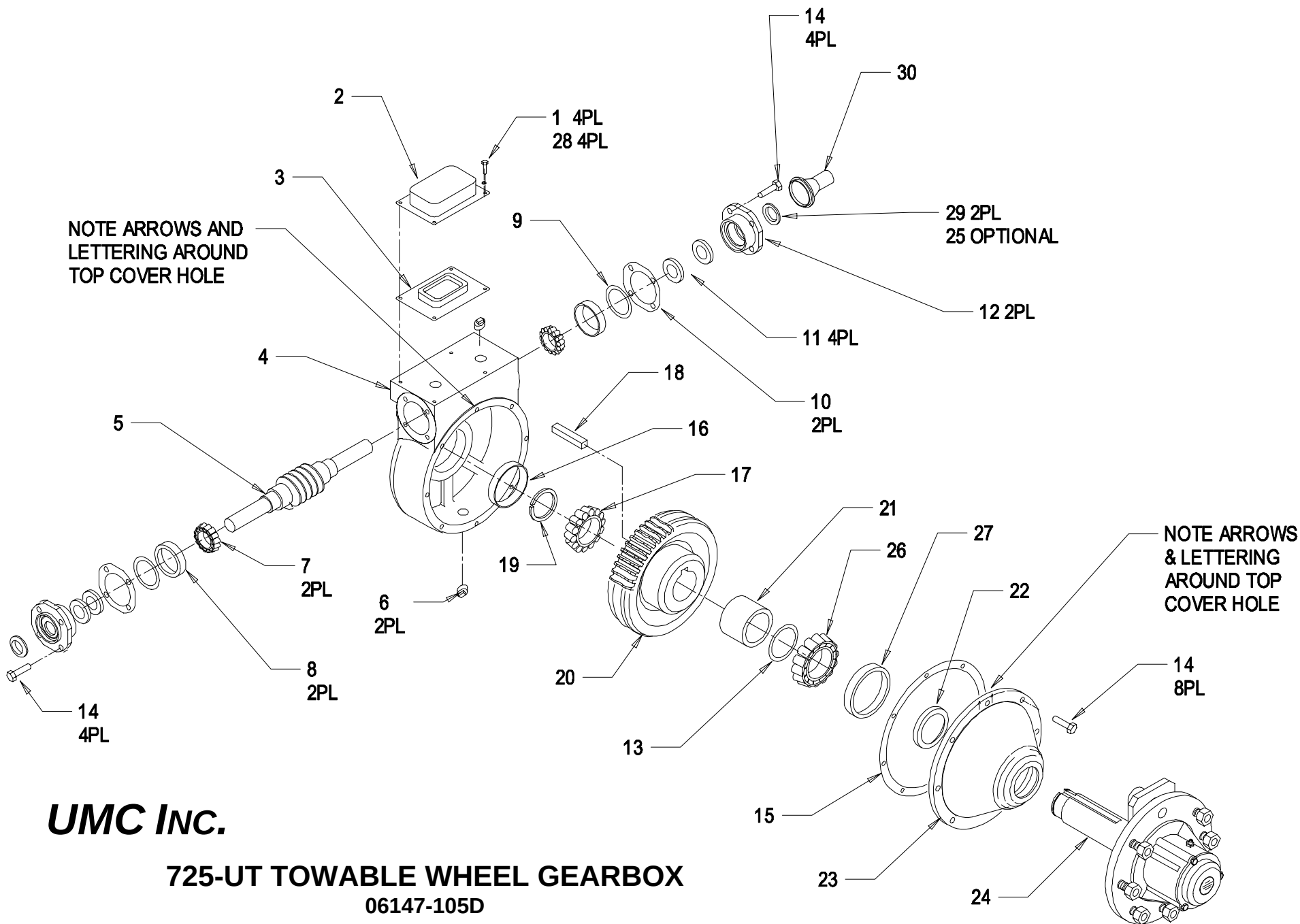
UMC Inc.

**740-TNT-U / 740-TNT-UV WHEEL GEARBOX
10144-101A / 10144-106A**

WHEEL GEARBOX 740-TNT-U / 740-TNT-UV ** RETAIL PARTS / MATERIAL LIST

10144-101A / 10144-106A

ITEM	QTY	QTY	DESCRIPTION	PART #
1	4	4	SCREW, HEX HEAD CAP ¼-20 x .75	06141-801A
2	1	1	COVER, EXPANSION CHAMBER (TNT SERIES)	10140-218A
3	1	1	DIAPHRAGM, RUBBER	06143-704A
4	1	—	HOUSING, DRIVE TNT UNIVERSAL	10144-201A
4	—	1	HOUSING, DRIVE TNT-UV	10144-215A
5	1	—	WORM, TNT SERIES 50:1	10144-203A
5	—	1	WORM, TNT-UV 52:1	10144-217A
6	2	2	PLUG, PIPE ½" NPT	06141-803A
7	2	2	BEARING, CONE 1.250" ID	10141-803A
8	2	2	BEARING, CUP 3.0000" OD	10141-802A
9	A/R	A/R	SHIM, INPUT (VARIOUS SIZES)	10144-209*
10	2	2	O-RING #241	10144-701A
11	4	4	SEAL, OIL 1.063 X 2.00 X.313 DOUBLE LIP (INPUT)	06147-745G
12	2	2	CAP, END TNT SERIES	10144-202A
13	A/R	A/R	SHIM, O/P 2 ¼" ID (VARIOUS SIZES)	06145-203*
14	8	8	SCREW, HEX HEAD CAP 3/8-16 x 1.0 LONG	06141-802A
15	1	1	GASKET, COVER	10141-702A
16	1	1	BEARING, CUP 3.250" OD	06143-802A
17	1	1	BEARING, CONE 2.000" ID	06141-806A
18	1	1	KEY, ½" SQ x 2.88" LONG	06141-809A
19	1	1	RING, SNAP 1.880" ID	06141-808A
20	1	—	GEAR, 50:1 2 ¼" ID UNIVERSAL	10141-212A
20	—	1	GEAR, 52:1 2 ¼" ID TNT-UV	06147-206A
21	1	1	SPACER, TNT SHAFT INPUT	10144-210A
22	2	2	SEAL, OIL 2.250 X 3.251 X .38 OUTPUT (DBL LIP)	06147-747G
23	1	—	COVER, GEARBOX 2 ¼" TNT	10141-207A
24	1	—	SHAFT ASSY, OUTPUT 2 ¼" TNT	10144-104A
24	—	1	SHAFT ASSY, OUTPUT 2 ¼" TNT-UV	06147-103A
25	8	8	NUT, LUG 9/16-18	06142-801A
26	1	1	BEARING, CONE 2 ¼" ID	06145-802A
27	1	1	BEARING, CONE 3 13/16" OD	06145-801A
28	8	8	WASHER, LOCK SPRING ¼"	06147-802A
29	2	2	SEAL, SHAFT FACE RUBBER 1.0000"	06147-707A
30	1	1	SHAFT PROTECTOR CAP – RED	06147-903A
31	1	1	GUARD, SHAFT (HUB CAP)	06147-218A
32	2	2	DUST CAP, TNT 3" INPUT BEARING	10144-207A
33	1	1	END PLATE, TNT 3" INPUT BEARING	10144-205A
34	2	2	BEARING, WASHER TNT	10144-208A
35	18	18	SCREW, HX HD CAP 5/16 – 18 X 1	10140-801A
36	2	2	LUBE FITTING, DRIVE TYPE 3/16" DRILL	08790-803A
37	1	1	HANDLE, TNT	10144-206A
38	1	1	LOCK PIN, 3/8"	10140-217A
39	1	1	END PLATE, COMMON TNT	10144-204A
40	2	2	FITTING CAP, RED	04301-902A
	TNT-U 10144-101A	TNT-UV 10144-106A		



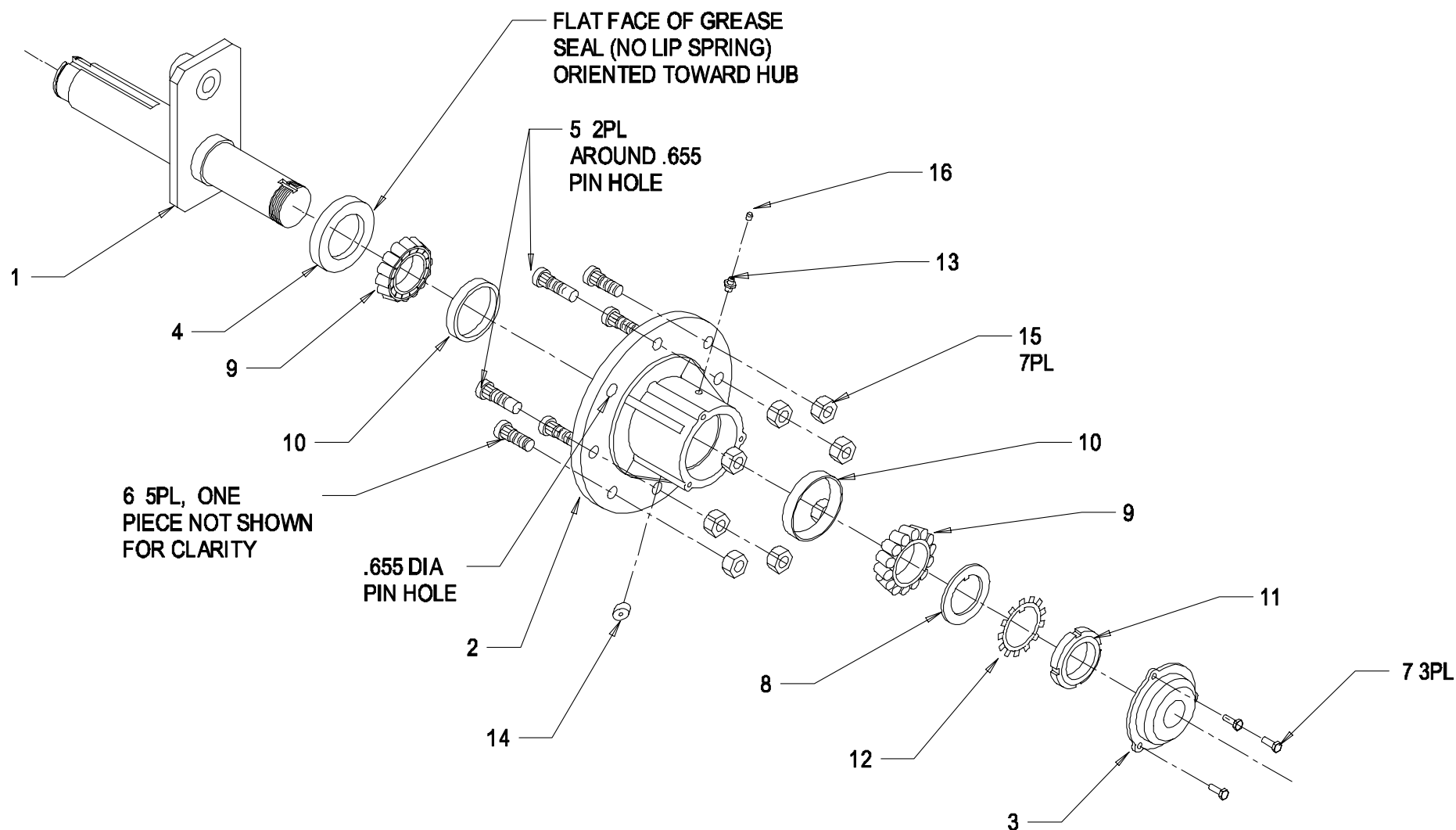
UMC Inc.

725-UT TOWABLE WHEEL GEARBOX

06147-105D

WHEEL GEARBOX 725-UT ** RETAIL PARTS / MATERIAL LIST 06147-105D			
ITEM	QTY	DESCRIPTION	PART #
1	4	SCREW, HEX HEAD CAP ¼-20 x .75	06141-801A
2	1	COVER, EXPANSION CHAMBER (STEEL)	06143-205A
3	1	DIAPHRAGM, RUBBER (STEEL COVER)	06143-704A
4	1	HOUSING, DRIVE UNIVERSAL	06146-201A
5	1	WORM, UNIVERSAL 50:1	06147-202A
6	2	PLUG, PIPE ½" NPT	06141-803A
7	2	BEARING, CONE 1.1875" ID	06141-804A
8	2	BEARING, CUP 2.5312" OD	06141-805A
9	A/R	SHIM, INPUT (VARIOUS SIZES)	06141-209*
10	2	GASKET, END CAP	06147-704A
11	4	SEAL, OIL 1.000 x 2.000 x .25 DBL LIP (INPUT)	06143-707A
12	2	CAP, END	06147-204A
13	A/R	SHIM, O/P 2 ¼" ID (VARIOUS SIZES)	06145-203*
14	16	SCREW, HEX HEAD CAP 3/8-16 x 1.0 LONG	06141-802A
15	1	GASKET, COVER (10.19)	06141-706A
16	1	BEARING, CUP 3.250" OD	06143-802A
17	1	BEARING, CONE 2.000" ID	06141-806A
18	1	KEY, ½ SQ x 2.88 LONG	06141-809A
19	1	RING, SNAP 1.880" ID	06141-808A
20	1	GEAR, UNIVERSAL 50:1 2 ¼" ID	06147-209A
21	1	SPACER, SHAFT 2 ¼ " ID	06149-205A
22	2	SEAL, OIL 2.250 X 3.000 X .43 TRP LIP OUTPUT	06145-701E
23	1	COVER, GEARBOX 2 ¼" INT RIB	06147-211A
24	1	OUTPUT ASSY, TOW 5/8" PIN	06147-122A
25**	2	SEAL, SHAFT FACE METAL ENCLOSED 1"	06147-705A
26	1	BEARING, CONE 2 ¼" ID	06145-802A
27	1	BEARING, CUP 3 13/16" OD	06145-801A
28	4	WASHER, LOCK SPRING ¼"	06147-802A
29	2	SEAL, SHAFT FACE RUBBER 1"	06147-707A
30	1	GUARD, SHAFT	06147-218A

NOTE: ITEMS MARKED: ** OPTIONAL SEAL TO BE ORDERED AND INSTALLED BY THE END USER.
THIS REPLACES ITEM 29 SEAL.
*** ITEM 32 IS INCLUDED IN ITEM 24 OUTPUT SHAFT ASSEMBLY.



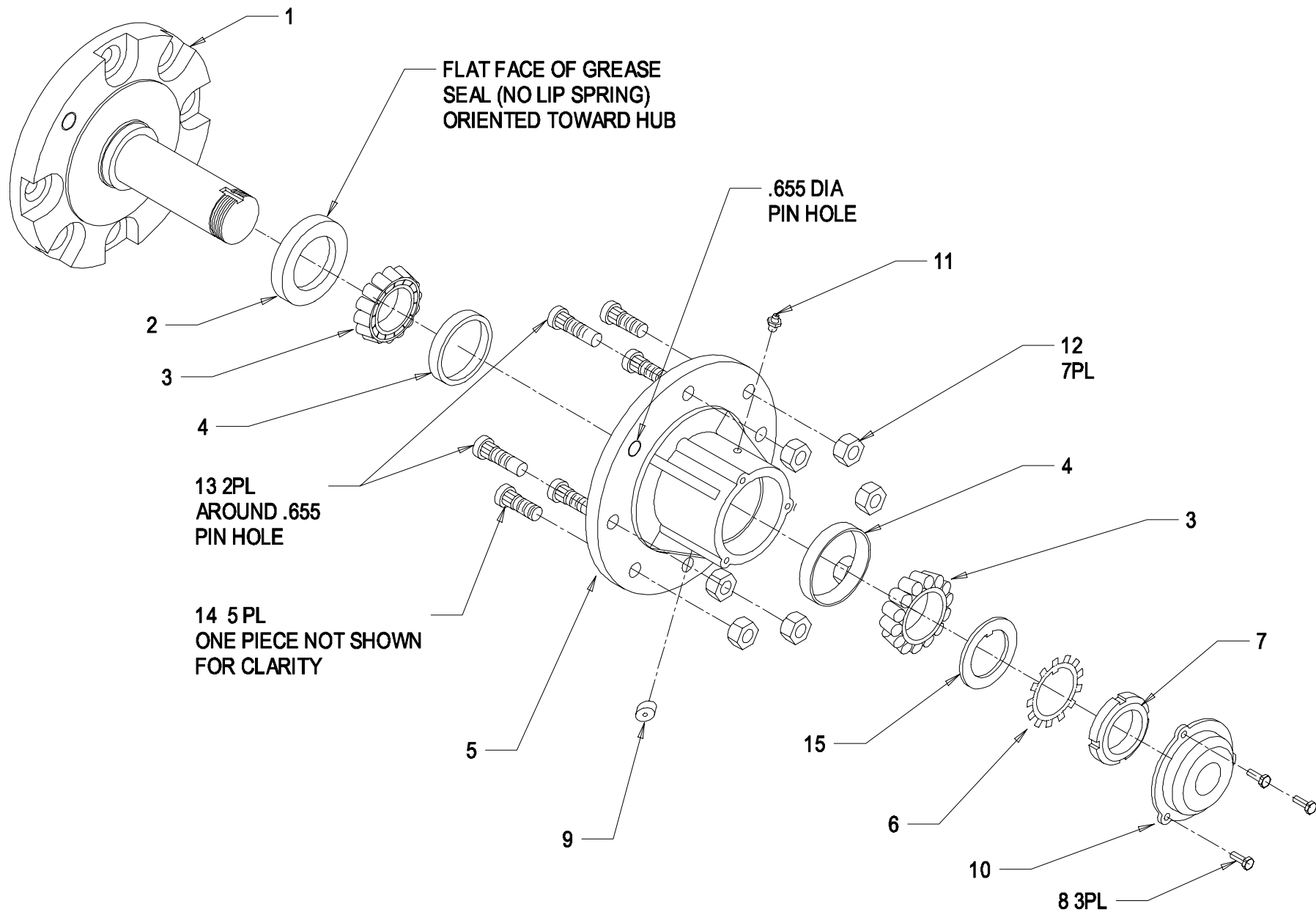
UMC Inc.

**OP-725-UT OUTPUT ASSY
06147-122A**

OUTPUT ASSY, 725-UT ** RETAIL PARTS / MATERIAL LIST 06147-122A			
ITEM	QTY	DESCRIPTION	PART #
1*	1	SHAFT, SINGLE PIN UT-TYPE 5/8 PIN	06147-405A
2*	1	HUB, SINGLE PIN UT-TYPE 5/8 PIN, 7 BOLT	04301-212C
3	1	CAP, BOLT ON HUB	04301-203A
4	1	SEAL, GREASE 2.25 X 3.371 X .375	06147-713A
5	2	BOLT, RNCB 9/16-18 X 1 7/8 LG	04300-802A
6	5	BOLT, RNCB 9/16-18 X 1 5/8 LG	06143-801A
7	3	BOLT, HX HD 1/4-20 X 1/2 LG ZINC PLATED	04301-806A
8	1	WASHER, TUNGED 50mm X 4mm THICK	04301-807B
9	2	BEARING, CONE 2.000 ID	06141-806A
10	2	BEARING, CUP 3.2500 OD	06143-802A
11	1	NUT, LOCK M50 X 1.5	04301-801A
12	1	WASHER, LOCK TAB M50 X 2mm THICK	04301-802B
13	1	FITTING, LUBE (SAE TYPE) M10	04301-803A
14	1	FITTING, RELIEF 1-5 PSIG	06140-702A
15	7	NUT, LUG 9/16-18	06142-801A
16	1	CAP, RED 0.207-1/4" (715-1R)	04301-902A

Note – Item 4 part number on early units was 06147-712A Oil Seal (NOK AD3135-EO)
Part # 06147-713A Grease Seal was implemented in February 1999.
Replace an Oil Seal with an Oil Seal and likewise for the Grease Seal.
SEE MAINTENANCE MANUAL FOR PROPER SEAL INSTALLATION.

* Discontinued Item. Please call for availability.



UMC Inc.

BT-4B BOLT ON TOWABLE HUB
04301-114A

BOLT-ON TOWABLE BT-4B
RETAIL PARTS/MATERIAL LIST

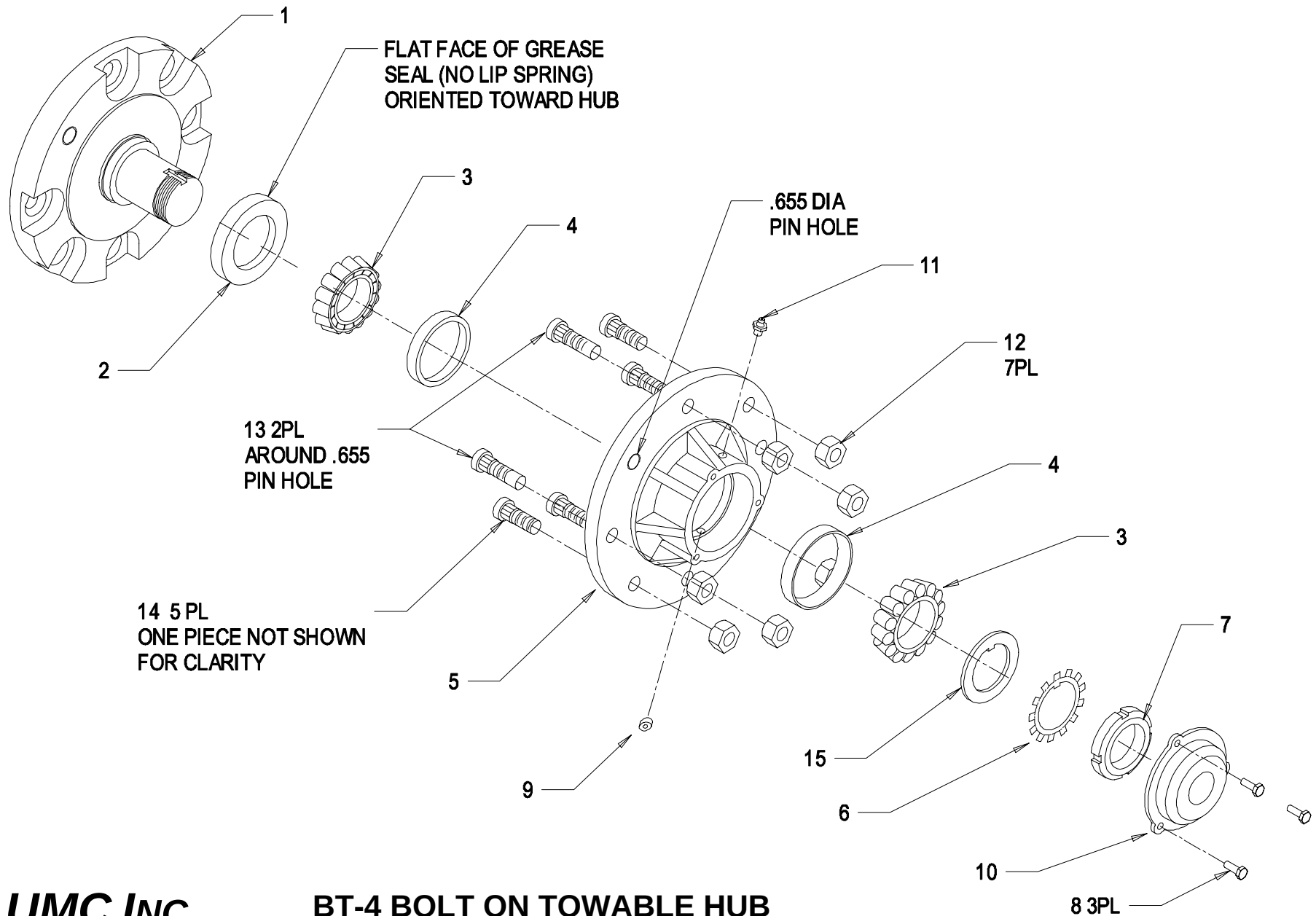
04301-114A

ITEM	QTY	DESCRIPTION	PART #
1	1	SHAFT, BT-4-B SINGLE PIN	04301-211A
2*	1	SEAL, GREASE 2.625 ID x 3.5 OD	04301-701A
3	2	BEARING, CONE 2.00 ID (LM 104949)	06141-806A
4	2	BEARING, CUP 3.25 OD (LM 104911)	06143-802A
5	1	HUB, BT-4-B SINGLE PIN	04301-212A
6	1	WASHER, LOCK TAB M50 X 2mm THICK	04301-802B
7	1	NUT, LOCK M50 X 1.5	04301-801A
8	3	SCREW, HX HD ¼ -20 X .5LG	04301-806A
9	1	FITTING, RELIEF 1-5 PSI (ALEMITE 321839)	06140-702A
10	1	CAP, BOLT-ON HUB BT-4	04301-203A
11**	1	FITTING, LUBE M10 SAE TYPE	04301-803A
12	7	NUT, WHEEL LUG 9/16-18	06142-801A
13	2	BOLT, RNCB 9/16-18 X 1 7/8	04300-802A
14	5	BOLT, RNCB 9/16-18 X 1 5/8	06143-801A
15	1	WASHER, TONGUED 50mm X 4mm THICK	04301-807B

* Note: Item 2 alternate is "04300-701A" Oil Seal (AD-7823EO NOK) or (26186 CR). Install alternate Oil Seal with the "Lip Spring" towards the Hub.

SEE MAINTENANCE MANUAL FOR PROPER SEAL INSTALLATION

** Note: Item 11 alternate is fitting 06140-701A (ALEMITE 1644-B), use thread sealer.



UMC Inc.

BT-4 BOLT ON TOWABLE HUB
04301-104A

BOLT-ON TOWABLE BT-4
RETAIL PARTS/MATERIAL LIST
04301-104A

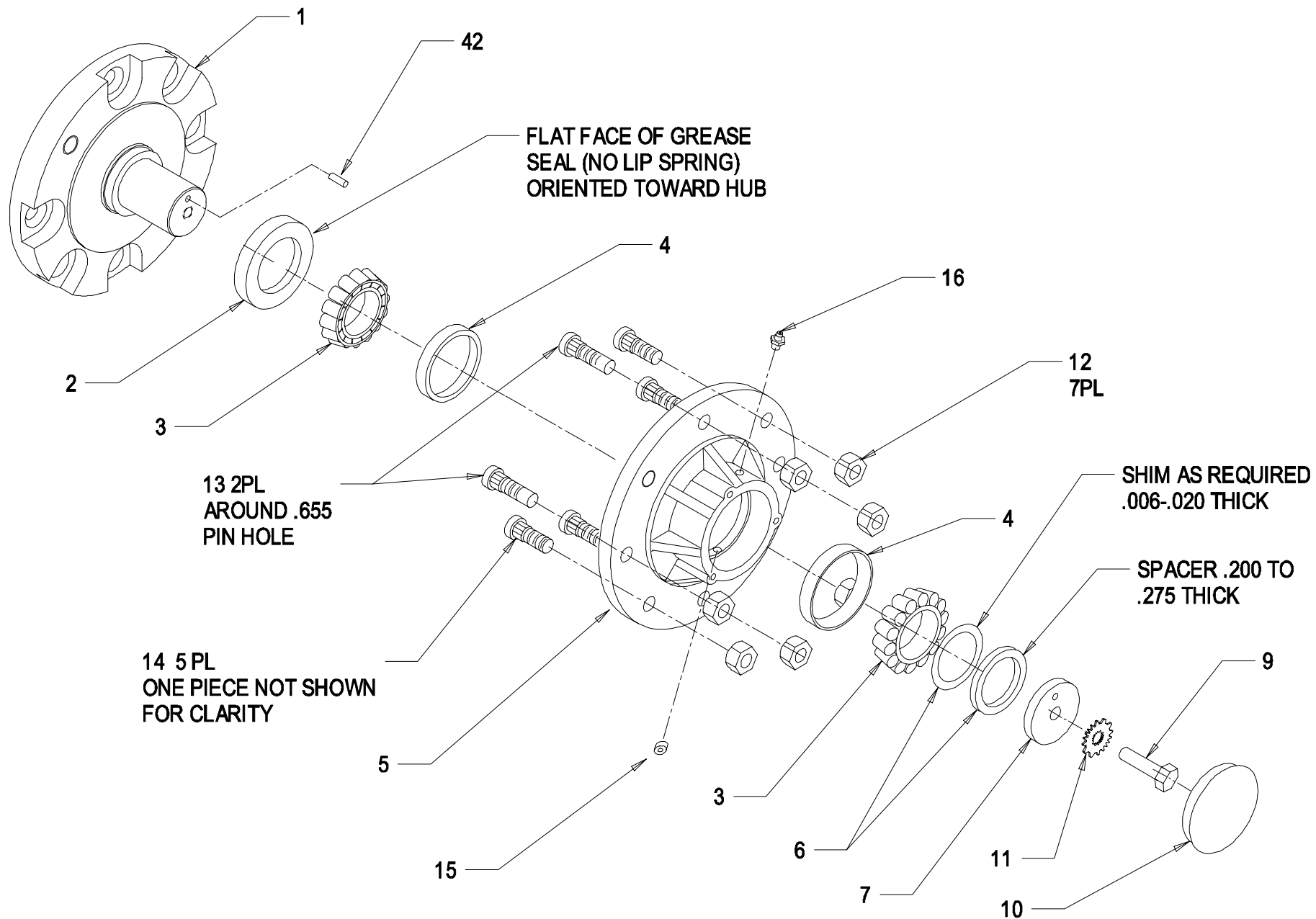
ITEM	QTY	DESCRIPTION	PART #
1***	1	SHAFT, BT-4- SINGLE PIN	04301-201A
2*	1	SEAL, GREASE 2.625 ID x 3.5 OD	04301-701A
3	2	BEARING, CONE 2.00 ID (LM 104949)	06141-806A
4	2	BEARING, CUP 3.25 OD (LM 104911)	06143-802A
5	1	HUB, BT-4- SINGLE PIN	04301-202A
6***	1	WASHER, LOCK TAB M50 X 1.5mm THICK	04301-802B
7	1	NUT, LOCK M50 X 1.5	04301-801A
8	3	SCREW, HX HD ¼ -20 X .5LG	04301-806A
9	1	FITTING, RELIEF 1-5 PSI (ALEMITE 321839)	06140-702A
10	1	CAP, BOLT-ON HUB BT-4	04301-203A
11**	1	FITTING, LUBE M10 SAE TYPE	04301-803A
12	7	NUT, WHEEL LUG 9/16-18	06142-801A
13	2	BOLT, RNCB 9/16-18 X 1 7/8	04300-802A
14	5	BOLT, RNCB 9/16-18 X 1 5/8	06143-801A
15	1	WASHER, TONGUED 50mm X 3mm THICK	04301-807B

* Note: Item 2 alternate is "04300-701A" Oil Seal (AD-7823EO NOK) or (26186 CR). Install alternate Oil Seal with the "Lip Spring" towards the Hub.

SEE MAINTENANCE MANUAL FOR PROPER SEAL INSTALLATION

** Note: Item 11 alternate is fitting 06140-701A (ALEMITE 1644-B), use thread sealer.

*** Note: Discontinued Item. Please call for availability.



UMC Inc.

BT-3 BOLT ON TOWABLE HUB
04300-104A

BOLT-ON TOWABLE BT-3
RETAIL PARTS/MATERIAL LIST
04300-104A

ITEM	QTY	DESCRIPTION	PART #
1***	1	SHAFT, BT-SINGLE PIN	04300-203A
2*	1	SEAL, GREASE 2.625 ID x 3.5 OD	04301-701A
3	2	BEARING, CONE 2.00 ID (LM 104949)	06141-806A
4	2	BEARING, CUP 3.25 OD (LM 104911)	06143-802A
5	1	HUB ASSY, B.T. 7XX	04300-108A
6***	A/R	SHIM, BEARING (OD 2.640")	04300-206*
7	1	SPACER, TOWABLE SHAFT	06140-204A
8	1	PIN, SPRING SLOT ¼" DIA X .75 LONG	04300-804A
9	1	SCREW, HEX HEAD CAP ½-13 X 1" LONG	06140-801A
10	1	CAP, HUB BT-3	04300-205A
11	1	WASHER, LOCK ½ " INTERNAL TOOTH	04300-803A
12	7	NUT, WHEEL LUG 9/16-18	06142-801A
13**	2	BOLT, RNCB 9/16-18 X 1 7/8	04300-802A
14**	5	BOLT, RNCB 9/16-18 X 1 5/8	06143-801A
15**	1	FITTING, RELIEF 1-5 PSI (321839 ALEMITE)	06140-702A
16**	1	FITTING, LUBE 1/8-27 NPT (1644-B ALEMITE)	06140-701A
17	1	SHIM KIT, BT-3 (NOT SHOWN) UPDATED	04300-901A

* Note: Item 2 alternate is "04300-701A" Oil Seal (AD-7823EO NOK) or (26186 CR). Install alternate Oil Seal with the "Lip Spring" towards the Hub.

SEE MAINTENANCE MANUAL FOR PROPER SEAL INSTALLATION

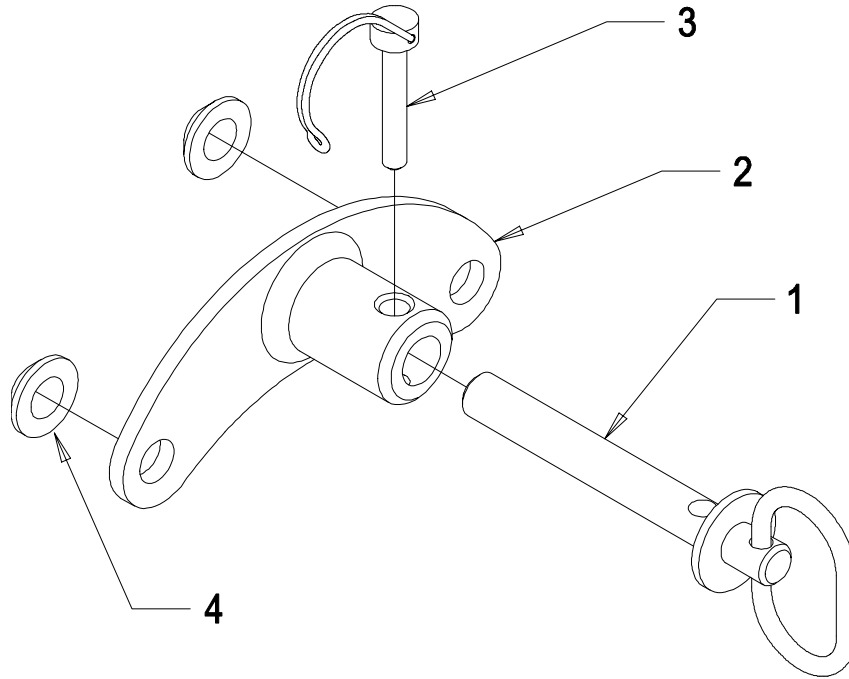
** Note: Items marked with ** are part of the hub assy. item 5.

Note: Item 6 has been updated to a larger 2.640" od shim.

Note: Item 16 alternate is fitting 06140-701A (ALEMITE 1644-B), use thread sealer.

*** Note: Discontinued Item. Please call for availability.

TOWABLE PIN AND BRACKET ASSEMBLY



STEP PIN/BRACKET ASSY (5/8" Dia. X 6") RETAIL PARTS / MATERIAL LIST 04041-102A			
ITEM #	DESCRIPTION	QTY	PART NUMBER
1	STEP PIN ASSEMBLY, 5/8" DIA. X 6"	1	04041-203A
2	CRESCENT BRACKET WELDMENT FOR 5/8" PIN	1	04040-401A
3	CER CLIP WELDMENT	1	04041-204A
4	SPACER, RIM CONE 9/16" ID	1	04300-805A

PIN/BRACKET ASSY (3/4" Dia. X 6") RETAIL PARTS / MATERIAL LIST 04041-101A			
ITEM #	DESCRIPTION	QTY	PART NUMBER
1	PIN ASSEMBLY, 3/4" DIA. X 6"	1	04041-206A
2	CRESCENT BRACKET WELDMENT FOR 3/4" PIN	1	04041-401A
3	CER CLIP WELDMENT	1	04041-204A
4	SPACER, RIM CONE 9/16" ID	1	04300-805A

STEP PIN ASSY (5/8" Dia. X 6" Lg STEP PIN)		
Replacement for 04040-104A Short 5/8" Dia. x 4 5/8" Lg Pin		
ITEM #	DESCRIPTION	PART NUMBER
1	STEP PIN ASSY, 5/8" DIA. X 6" LONG	04041-203A
NOTE: THIS PIN REPLACES THE 4 5/8" LONG STYLE PINS. IT FEATURES A MACHINED STEP DESIGNED TO OPTIMIZE THE PIN ENGAGEMENT AND TO CLEAR THE SLIGHTLY SMALLER ID HOLE FOR THE "RIBBED NECK CARRIAGE BOLT" ON THE GEARBOX WHEEL FLANGE. IN SOME CASES IT MAY BE NECESSARY TO LOOSEN THE BRACKET AND/OR WHEEL BOLTS TO RESET THE ALIGNMENT. IN SOME CASES IT MAY BE NECESSARY TO RUN A HAND FILE THROUGH THE BOLT-HOLE ON THE GEARBOX WHEEL FLANGE TO REMOVE ANY BURRS OR OBSTRUCTIONS.		

DIRECT REPLACEMENT AND ALTERNATE ITEMS:

* 04041-202A Pin 6" std.	Replaces	04040-102A Pin
* 04041-204A Cir Clip	Replaces	04040-403A Clip