

have the manufacturers' warranty and Akron Brass disclaims any warranty in respect of those products. © 2016 Akron Brass Company. All rights reservered. No portion of this can be reproduced without the express written consent of the Akron Brass Company.

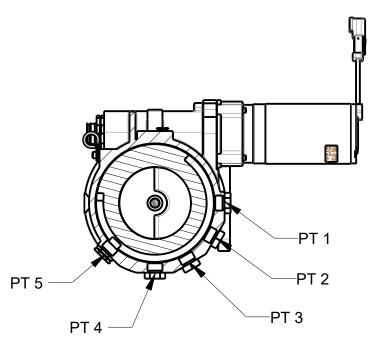
IF AN ITEM IS NOTED AS "NOT FIELD REPAIRABLE", OR YOU WISH TO RETURN AN ITEM TO AKRON BRASS FOR SERVICE PLEASE GO ONLINE TO, ONLINEREPAIR.AKRONBRASS.COM

Chg.	Date
07	02-18
08	01-20

ASSEMBLY NOTES:

USE PARKER O-LUBE ON ALL O-RINGS AND MATING SURFACES UNLESS OTHERWISE NOTED.

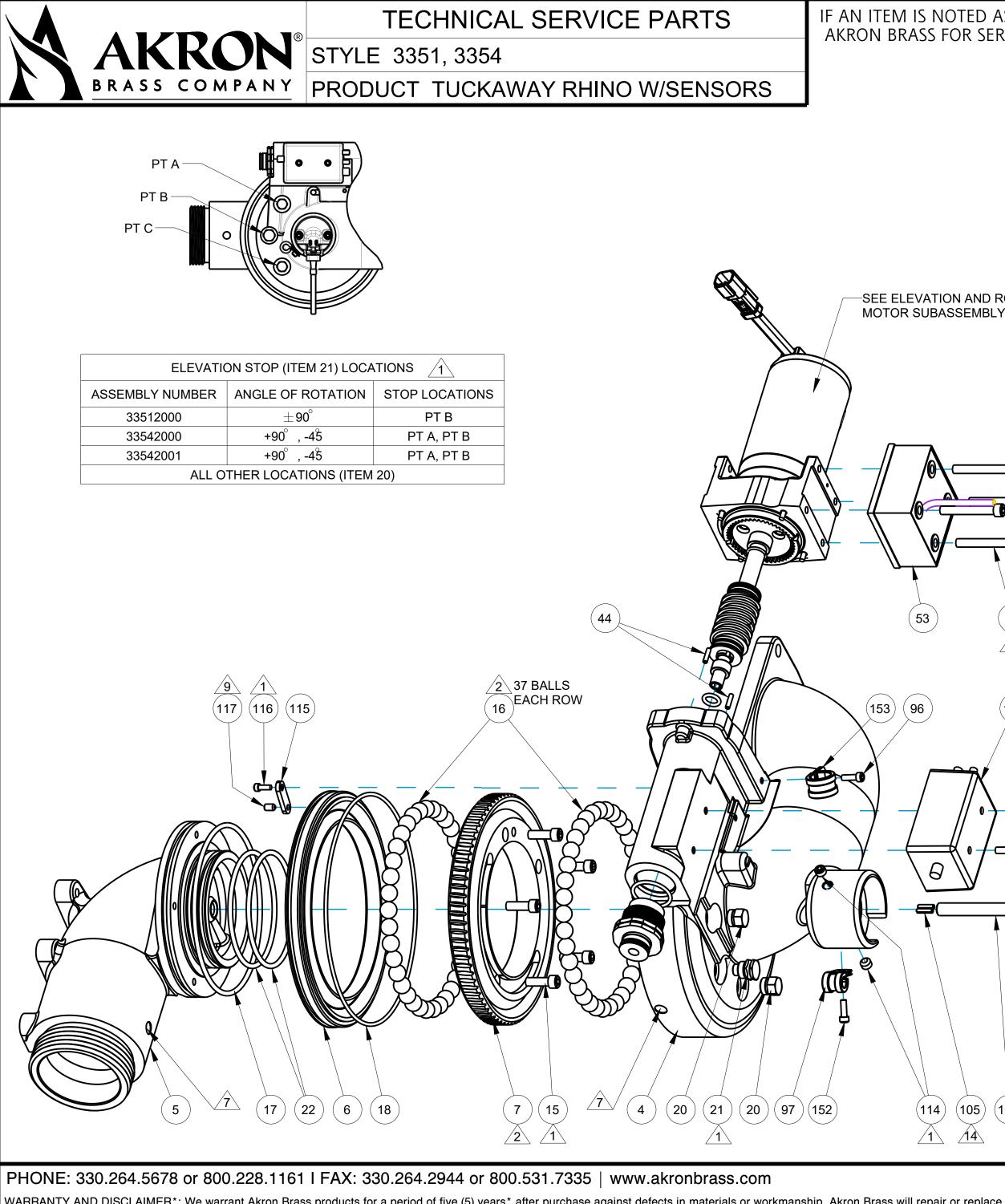
- USE PERMABOND LM113 OR LOCTITE 222.
- 2 USE LUBRIPLATE LOW-TEMP GREASE.
- 4 USE PERMABOND LH050 OR LOCTITE 592.
- 15 INSTALL SENSOR WITH POTTED SIDE TOWARDS WATERWAY.
- 6 TORQUE SET SCREWS 11 IN-LBS.
- ALIGN TIMING DIMPLE ON BOTH JOINTS PRIOR TO INSTALLING POSITION SENSORS. ADJUST SENSOR OUTPUT TO 2.50 \pm 0.01 V.
- ASSEMBLE WITH ROUNDED EDGES OF RETAINING RING TOWARDS WASHERS.
- 9 USE PERMABOND HH120 OR LOCTITE 277.
- ASSEMBLE ROUNDED EDGES OF RETAINING RING TOWARDS WATERWAY.
- ALIGN TIMING MARK TO THE FLAT ON THE SHAFT.
- ALIGN THE FLAT ON THE SHAFT TOWARDS THE SLOT ON ITEM 3 AFTER THE TIMING MARKS ARE ALIGNED.
- ASSEMBLE WITH LABEL SIDE POINTING UP AS SHOWN.
- 14 THROUGHLY COAT SOCKETS FOR FEEDBACK SHAFTS WITH NEVER SEEZ MARINERS CHOICE.
- 15 SET SCREWS SUPPLIED WITH POSITION MARKER. USE LOCTITE 425.



ROTATIC	ROTATION STOP (ITEM 13) LOCATIONS				
ASSEMBLY NUMBER ANGLE OF ROTATION STOP LOCATIONS					
33512000	+180°, -45° PT5				
33542000	+15 [°] , -13 [°] 5	PT3, PT5			
33542001	33542001 +15 [°] , -13 [°] 5 PT3, PT5				
ALL O	THER LOCATIONS (ITEM	23)			

Parts List Sheet:

122560



WARRANTY AND DISCLAIMER*: We warrant Akron Brass products for a period of five (5) years* after purchase against defects in materials or workmanship. Akron Brass will repair or replace product which fails to satisfy this warranty. Repair or replacement shall be at the discretion of Akron Brass. Products must be promptly returned to Akron Brass for warranty service. We will not be responsible for: wear and tear; any improper installation, use, maintenance or storage; negligence of the owner or user; repair or modification after delivery; failure to follow our instructions or recommendations; or anything else beyond our control. WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, OTHER THAN THOSE INCLUDED IN THIS WARRANTY STATEMENT, AND WE DISCLAIM ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE. Further, we will not be responsible for any consequential, incidental or indirect damages (including, but not limited to, any loss of profits) from any cause whatsoever. No person has authority to change this warranty. *Unless otherwise provided herein. Akron Brass industrial electronic components & the Severe-Duty Monitor have a one (1) year warranty. Select Akron Brass handline nozzles and valves carry a ten (10) year warranty. Scene Star Lights carry a (6) year warranty. Weldon products have a two (2) year warranty from date of manufacture (excluding consumable components). Select Weldon LED products carry a five (5) year warranty. Honda products have the manufacturers' warranty and Akron Brass disclaims any warranty in respect of those products.

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Chg.	Date
07	02-18
08	01-20

ASSEMBLY NOTES:

USE PARKER O-LUBE ON ALL O-RINGS AND MATING SURFACES UNLESS OTHERWISE NOTED.

- 1 USE PERMABOND LM113 OR LOCTITE 222.
- 2 USE LUBRIPLATE LOW-TEMP GREASE.
- 4 USE PERMABOND LH050 OR LOCTITE 592.
- $\overline{5}$ INSTALL SENSOR WITH POTTED SIDE TOWARDS WATERWAY.
- 6 TORQUE SET SCREWS 11 IN-LBS.

SEE ELEVATION AND ROTATION

54

(100)

(105)

/14

(104)

98 [`]

2

- ALIGN TIMING DIMPLE ON BOTH JOINTS PRIOR TO INSTALLING POSITION SENSORS. ADJUST SENSOR OUTPUT TO 2.50 \pm 0.01 V.
- ASSEMBLE WITH ROUNDED EDGES OF RETAINING RING TOWARDS WASHERS.
- 9 USE PERMABOND HH120 OR LOCTITE 277.
- ASSEMBLE ROUNDED EDGES OF RETAINING RING TOWARDS WATERWAY.
- ALIGN TIMING MARK TO THE FLAT ON THE SHAFT.
- ALIGN THE FLAT ON THE SHAFT TOWARDS THE SLOT ON ITEM (3) AFTER THE TIMING MARKS ARE ALIGNED.
- ASSEMBLE WITH LABEL SIDE POINTING UP AS SHOWN.
- 14 THROUGHLY COAT SOCKETS FOR FEEDBACK SHAFTS WITH NEVER SEEZ MARINERS CHOICE.
- 15 SET SCREWS SUPPLIED WITH POSITION MARKER. USE LOCTITE 425.

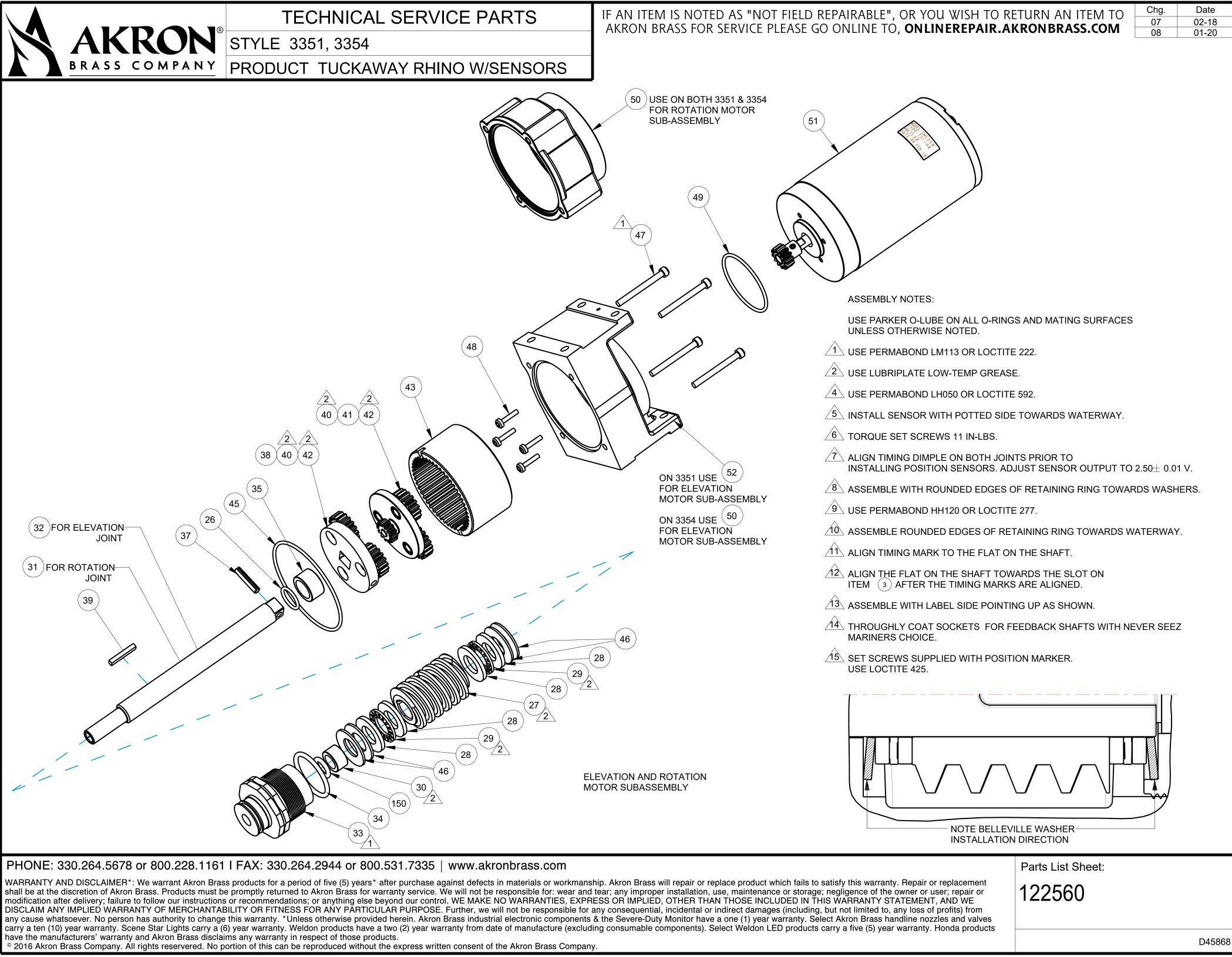
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(107)(108)(110)(111)(118)(102)(101)(145)(113)

Parts List Sheet:

122560



Chg.	Date
07	02-18
08	01-20
01	



TECHNICAL SERVICE PARTS

Find

PRODUCT TUCKAWAY RHINO W/SENSORS

STYLE 3351, 3354

Find		Description	Item	3351 QTY	3354 QTY	45 46
2		BASE INLET	122556	1	1	47
3		ELBOW INLET	127122	1	-	48
3		ELBOW INLET	127123	-	1	49
4		ELBOW MIDDLE	122375	1	1	50
5		ELBOW OUTLET	122378	1	1	51
6		RING BALL RETAINER	117690	1	1	51
7		GEAR OUTLET	117689	1	1	52
10		O-RING 2-238	757036	2	2	53
11	А	BALL BRASS 3/8"DIA	-	82	82	54
12		PLUG 1/2 -20 X 1/4"	742112	4	4	94
13		STOP VERTICAL	769596	2	2	95
14		O-RING 2-158	757326	1	1	96
15		SCREW SOCKET HEAD CAP 1/4 -20 X 3/4"	765030	5	5	97
16	В	BALL BRASS 1/2"DIA	-	74	74	98
17		O-RING 2-249	757075	1	1	100
18		O-RING 2-166	757366	1	1	100
20		PLUG 1/2-20 X1/2"	744337	2	1	101
21		STOP	769498	1	2	102
22		O-RING 2-236	757035	2	2	103
23		PLUG ELEVATION 5/8-18	744397	3	3	104
24		SCREW SOCKET HEAD CAP 7/16-14 X 1-1/4"	765207	4	4	105
25		O-RING 2-237	757081	1	1	106
26		O-RING 2-014	757041	2	2	107
27		GEAR WORM	718273	2	2	108
28		WASHER THRUST	784121	8	8	110
29		BEARING NEEDLE TORRINGTON	703453	4	4	111
30		BEARING 3/8"ID	704393	2	2	113
31		SHAFT ELEVATION	770353	1	1	114
32		SHAFT ROTATION	770352	1	1	115
33		CAP BEARING	121467	2	2	116
34		O-RING 2-121	757329	2	2	117
35		BEARING ROLLER NEEDLE 1/2"ID	704395	2	2	118
37		PIN ROLL	744118	2	2	145
38	С	CARRIER OUTPUT	707455	2	2	150
39		KEY SPECIAL	727044	2	2	152
40	С	GEAR PLANET	718165	12	12	153
41	С	PLATE CARRIER	742119	2	2	
42	С	RIVET SHORT	754052	12	12	A
43		GEAR INTERNAL ELEVATION	718164	2	2	В
44		PIN ROLL	744288	4	4	С

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Chg. Date 07 02-18 08 01-20

Description	Item	3351 QTY	3354 QTN
O-RING 2-036	757312	2	2
SPRING BELLEVILLE	769276	8	8
SCREW SOCKET HEAD CAP 6-32 X 1 3/8"	767132	8	8
SCREW SOCKET HEAD CAP W/PATCH 6-32 X 1/2"	765052	8	8
O-RING 2-029	757056	2	2
HOUSING GEARBOX	109320	1	2
MOTOR 12V	34911013	2	2
MOTOR 24V	34911007	2	2
HOUSING GEARBOX	118092	1	-
INCLINOMETER DUAL AXIS	60430003	1	-
SCREW SOCKET HEAD CAP 1/4 -20 X 1 3/4"	767116	4	-
TAG ID	773330	1	1
NAIL GRIP	736052	4	4
SCREW SOCKET HEAD CAP NYLON PATCH 8-32 X 3/8"	768058	3	3
CLAMP CABLE 5/16"	707548	2	2
SCREW SOCKET HEAD CAP 10-24 X 1 3/4"	767126	4	4
HARNESS WIRING 96"	721629	1	-
HARNESS WIRING 96"	721630	_	1
SENSOR MAGNETIC ROTARY ANGLE	60430006	2	2
MARKER POSITION MAGNET	731127	2	2
SHAFT ROTATION	770350	1	1
SHAFT ELEVATION	770348	1	1
PIN ROLL	744078	2	2
PIN ROLL	744430	1	1
O-RING 2-010	757476	3	3
RING TRUARC	758247	2	2
SHIM .730X.240X .015	769887	2	2
WASHER .732 X .238 X .060	784192	2	2
SCREW SOCKET HEAD CAP 8-32 X 3/4"	765178	4	4
SCREW SOCKET HEAD CUP POINT SET 5/16-18 X 1/4"	765071	4	4
KEEPER	120137	1	1
SCREW SOCKET HEAD CAP 6-32 X 3/8"	765175	1	1
SCREW SOCKET HEAD CUP POINT SET 10-24 X 5/16"	765040	1	1
RING RETAINING	758127	2	2
WASHER	784123	4	4
O-RING 2-110	757295	2	2
SCREW SOCKET HEAD CAP NYLON PATCH 10-24 X 3/8"	767029	3	3
CLAMP CABLE 7/16"	707975	4	4
KIT OF 50 BALLS 3/8" BRASS	10	9342	
KIT OF 50 BALLS 1/2" BRASS	116252		
REPAIR KIT	33530029		

Parts List Sheet:

122560

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