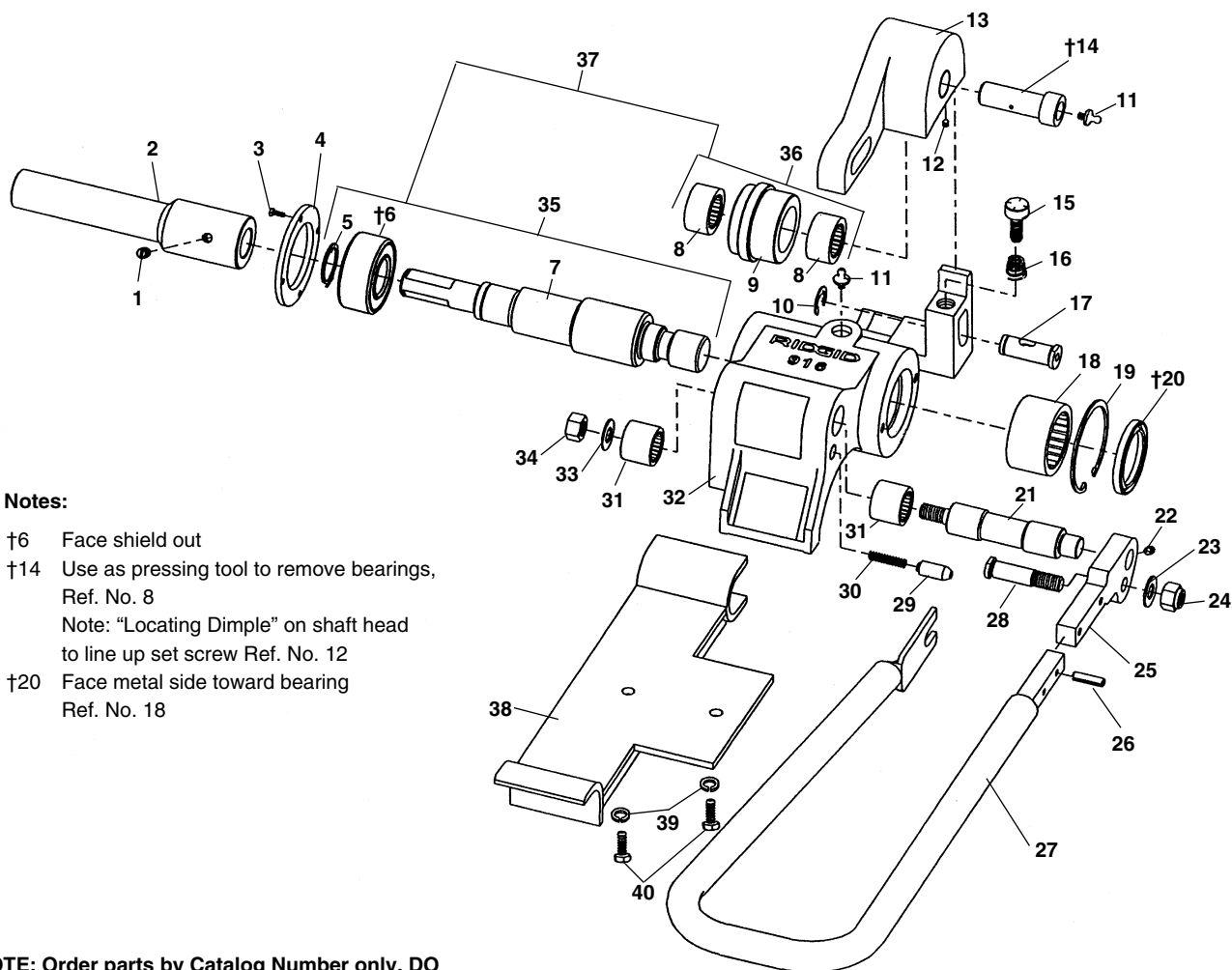



Service Notes:

- Ref. No. †6 Face shield out
 Ref. No. †14 Use as pressing tool to remove bearings,
 Ref. No. 8
 Note: "Locating Dimple" on shaft head
 to line up set screw Ref. No. 12
 Ref. No. †20 Face metal side toward bearing
 Ref. No. 18

NOTE: Order parts by Catalog Number only. DO NOT order by Reference Number.

Ref. No.	Catalog No.	Description	Ref. No.	Catalog No.	Description
1	48497	Screw 3/16" - 16 x 1/2" (2)	23	77720	Washer
2	48442	Coupling - Short	24	78005	Hex Stop Nut 1/2" - 13 (2)
	66547	Coupling - Long	25	47037	Drive Link
3	45207	Hex Hd Screw 10 - 32 x 1/2" (4)	26	87940	Roll Pin (2)
4	45202	Retaining Plate	27	45137	Handle
5	45152	Retaining Ring	28	45182	Drive Pin
†6	45147	Double Roll Ball Bearing	29	47027	Detente Pin
7	45122	Drive Shaft 1 1/4" - 6"	30	47032	Detente Spring
	45652	Drive Shaft f/Copper Tubing	31	45172	Drive Link Bearing (2)
	45662	Drive Shaft f/1" Pipe	32	48437	Lower Roll Housing f/1822 Includes Ref. No. 11
	69647	Drive Shaft 1 1/4" to 1 1/2" (AWWA)		48507	Lower Roll Housing f/300 Includes Ref. No. 11
	69672	Drive Shaft 2" to 6" (AWWA)	33	83420	Flat Washer
8	45167	Hd Caged Roller Bearing (2)	34	78005	Hex Stop Nut 1/2" - 13 (2)
9	45127	Grooving Roll	35	45397	Drive Shaft Assembly
	45657	Grooving Roll f/Copper Tubing		45557	Drive Shaft Assembly f/Copper Tubing
	45667	Grooving Roll f/1" Pipe		45572	Drive Shaft Assembly f/1" Pipe
	69652	Grooving Roll 1 1/4" to 1 1/2" (AWWA)		69657	Drive Shaft Assembly 1 1/4" to 1 1/2" (AWWA)
	69677	Grooving Roll 2" to 6" (AWWA)		69682	Drive Shaft Assembly 2" to 6" (AWWA)
10	42580	Retaining Ring	36	45587	Grooving Roll Assembly w/Bearing
11	46860	Grease Fitting		45562	Grooving Roll Assembly w/Bearing f/Copper Tubing
12	45187	Cone Pt. Screw 10 - 32 x 1/4"		45577	Grooving Roll Assembly w/Bearing f/1" Pipe
13	45112	Upper Roll Housing		69662	Grooving Roll Assembly 1 1/4" to 1 1/2" (AWWA)
†14	45132	Groove Roll Shaft includes Ref. No. 11		69687	Grooving Roll Assembly 2" to 6" (AWWA)
15	48447	Adjusting Screw	37	45352	Roll Set f/Copper Tubing incl. Ref. No. 35 & 36
16	45402	Adjusting Screw Spring		45347	Roll Set f/1" incl. Ref. No. 35 & 36
17	48452	Pivot Pin		69667	Roll Set 1 1/4" to 1 1/2" (AWWA)
18	45142	Caged Roller Bearing		69692	Roll Set 2" to 6" (AWWA)
19	45162	Retaining Ring		47492	Warning & Depth Adjusting Label
†20	45157	Front Seal	38	61242	Base - 535
21	45117	Drive Link Shaft	39	40930	3/8" Locker Washer
22	45192	Cone Pt. Screw 1/4" - 20 x 1/2"	40	46675	3/8" x 3/4" Bolt