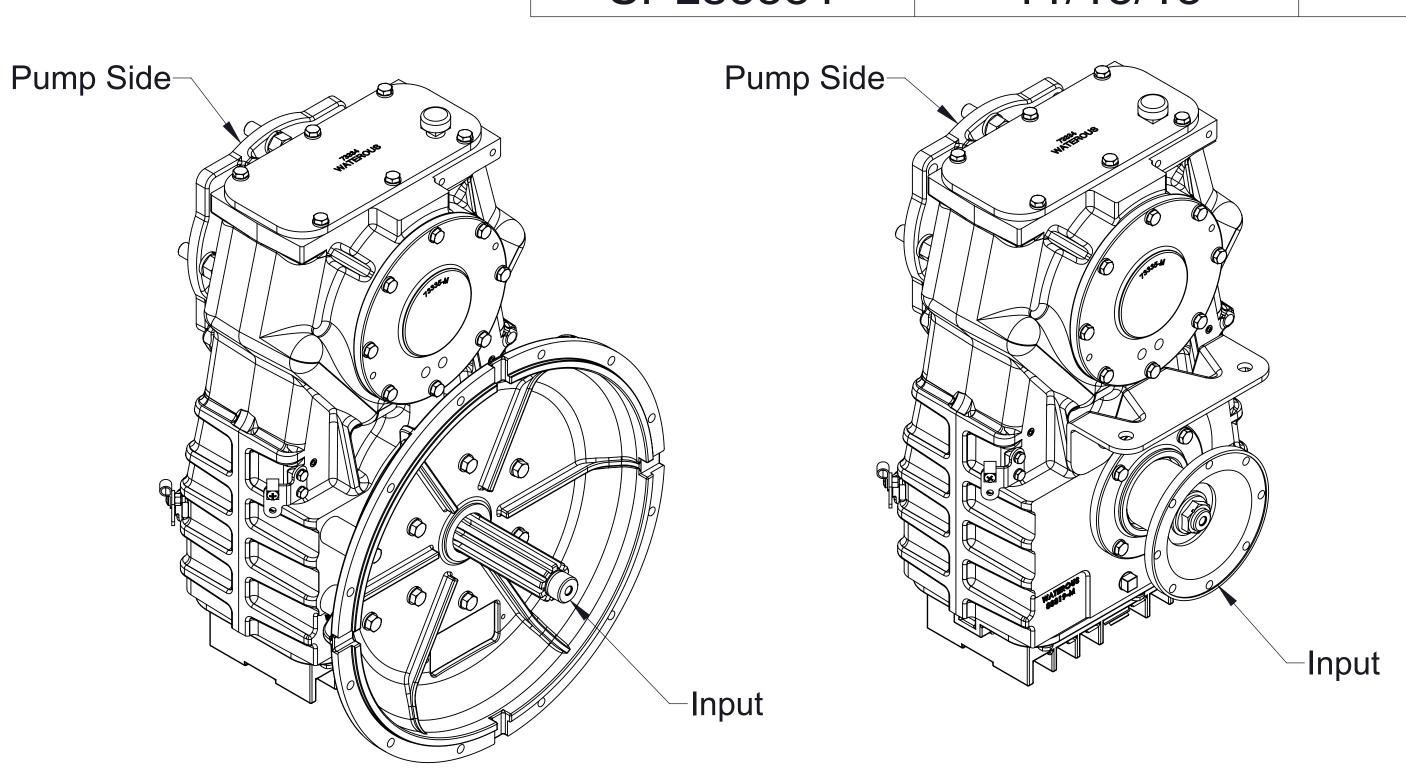
Document Number SPL83331

Issue Date 11/13/13

Rev. Date 11/16/21

QC Series Transmission Service Parts List

As used with CR, CRU-2 and S100 Series Fire Pump



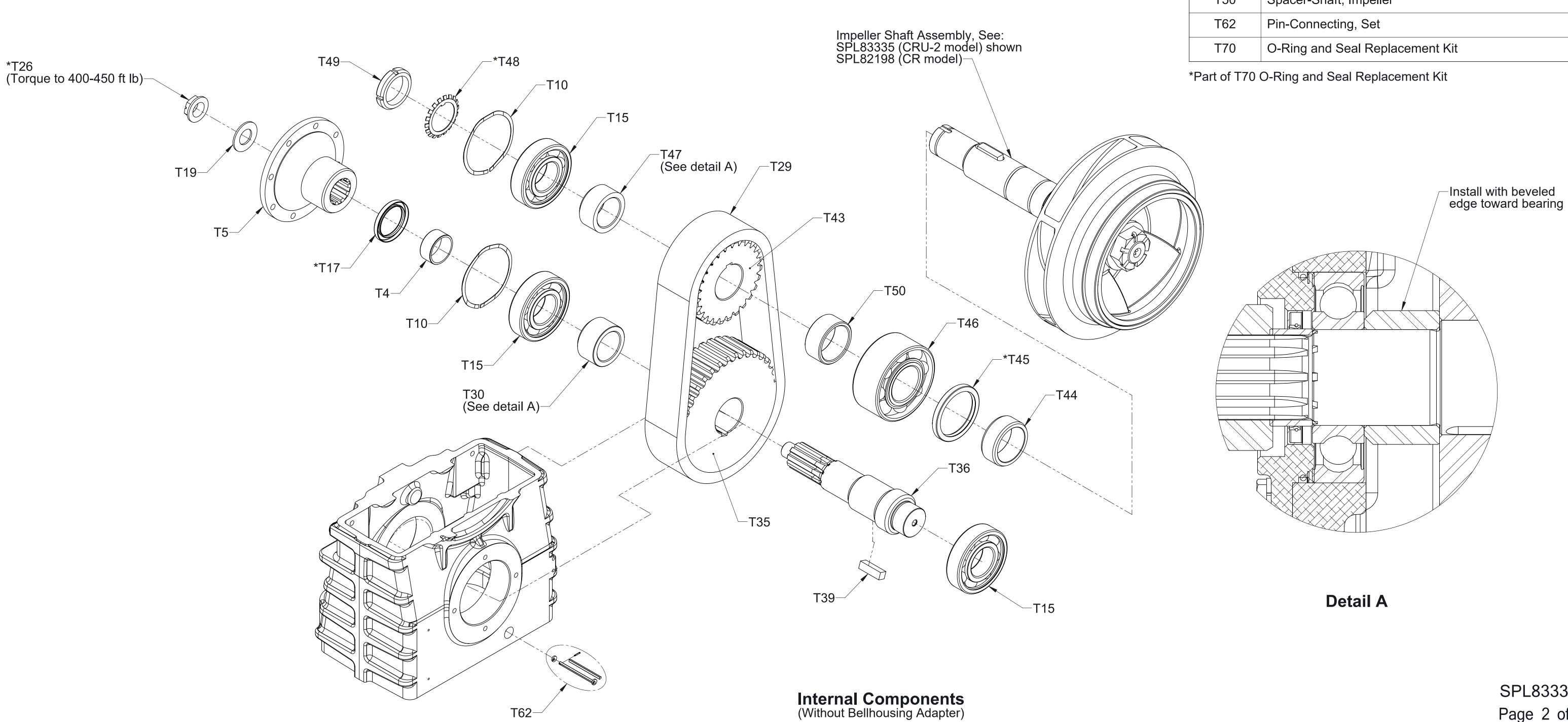
With Bellhousing Adapter

Without Bellhousing Adapter

			See Page				
Pump Model (Located on Serial Plate)	Case Mounting (Viewed from Input Side)	Bellhousing Adapter		External Components			
			Internal Components	Input Shaft Side and Bottom of Case	Output Shaft Side and Top of Case	Cross Section View	Cooling Lines
	Rotated 45° Clockwise	NIo	2	4	5		16
CRQC	Vertical	No	2	6	7	14	16
	Vertical	Yes	3	8	9		16
	Inverted		3	10	11		17
CRUQC-2	Vertical	No	2	6	7		18
	Rotated 45° Clockwise		2	4	5		19
	Vertical	Yes	3	8	9		18
	Inverted		3	10	11		20
S100QC	Vertical		3	8	12	4.5	21
	Inverted	Yes	3	10	13	15	22

T70 O-Ring and Seal Replacement Kit

T62—



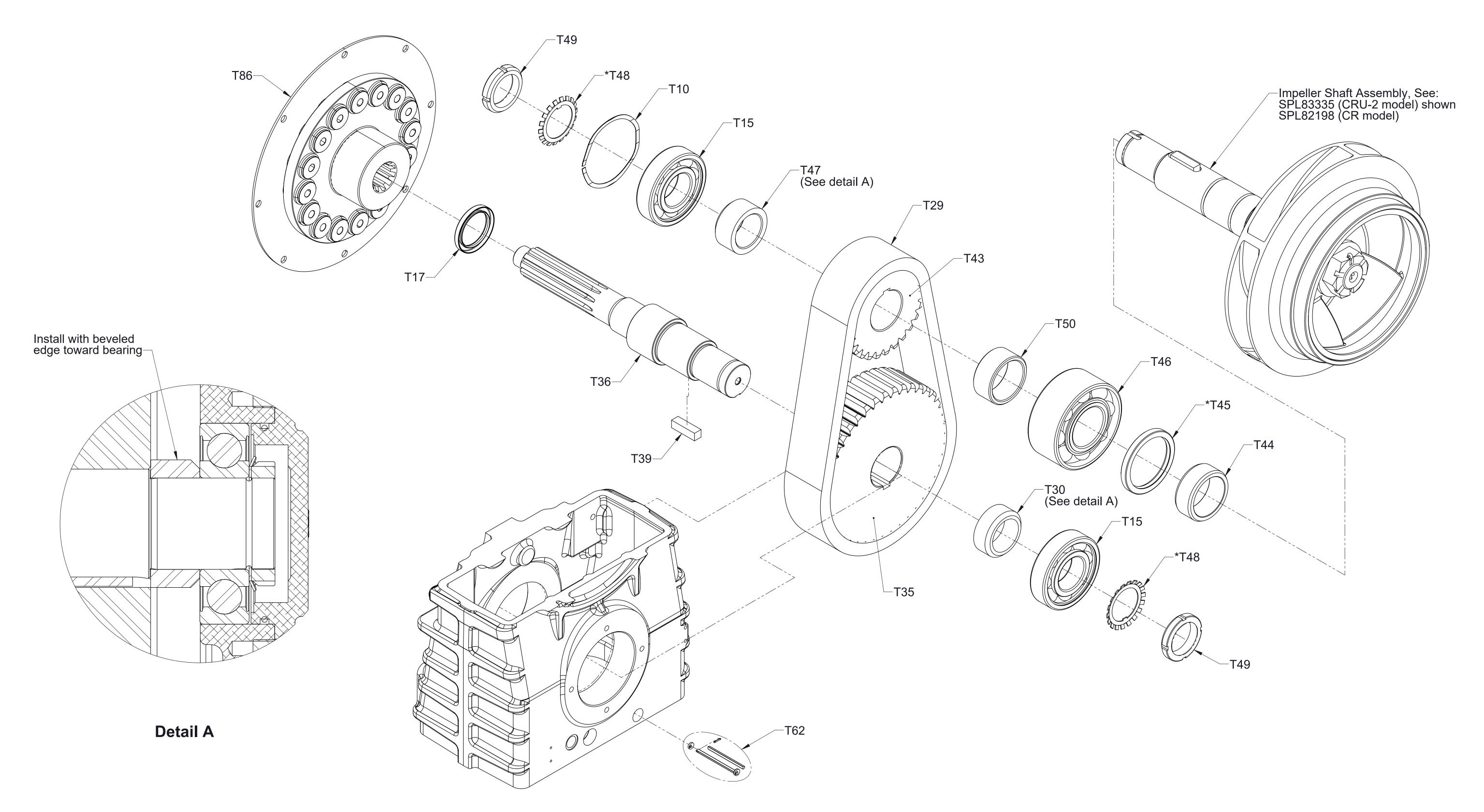
Ref No. Description Sleeve-Seal, Oil Flange-Companion T10 Spring-Wave T15 Bearing, Ball, Single Row Seal-Oil, 2 x 2-3/4 in *T17 Washer-Plain, 1 in T19 Nut-Self Locking, 1-20 UNEF-2B Chain and Pin Set-3/4 in Pitch T29 T30 Spacer-Shaft, Drive T35 Sprocket-Drive T36 Shaft-Drive Key-Square, 1/2 x 1-3/4 in Sprocket-Driven T43 T44 Sleeve-Seal, Oil *T45 Seal-Oil, 3 x 3-3/4 in T46 Bearing-Ball, Double Row, Angular Contact Spacer-Shaft, Impeller T47 Washer-Lock, Bearing *T48 T49 Nut-Lock, Bearing T50 Spacer-Shaft, Impeller

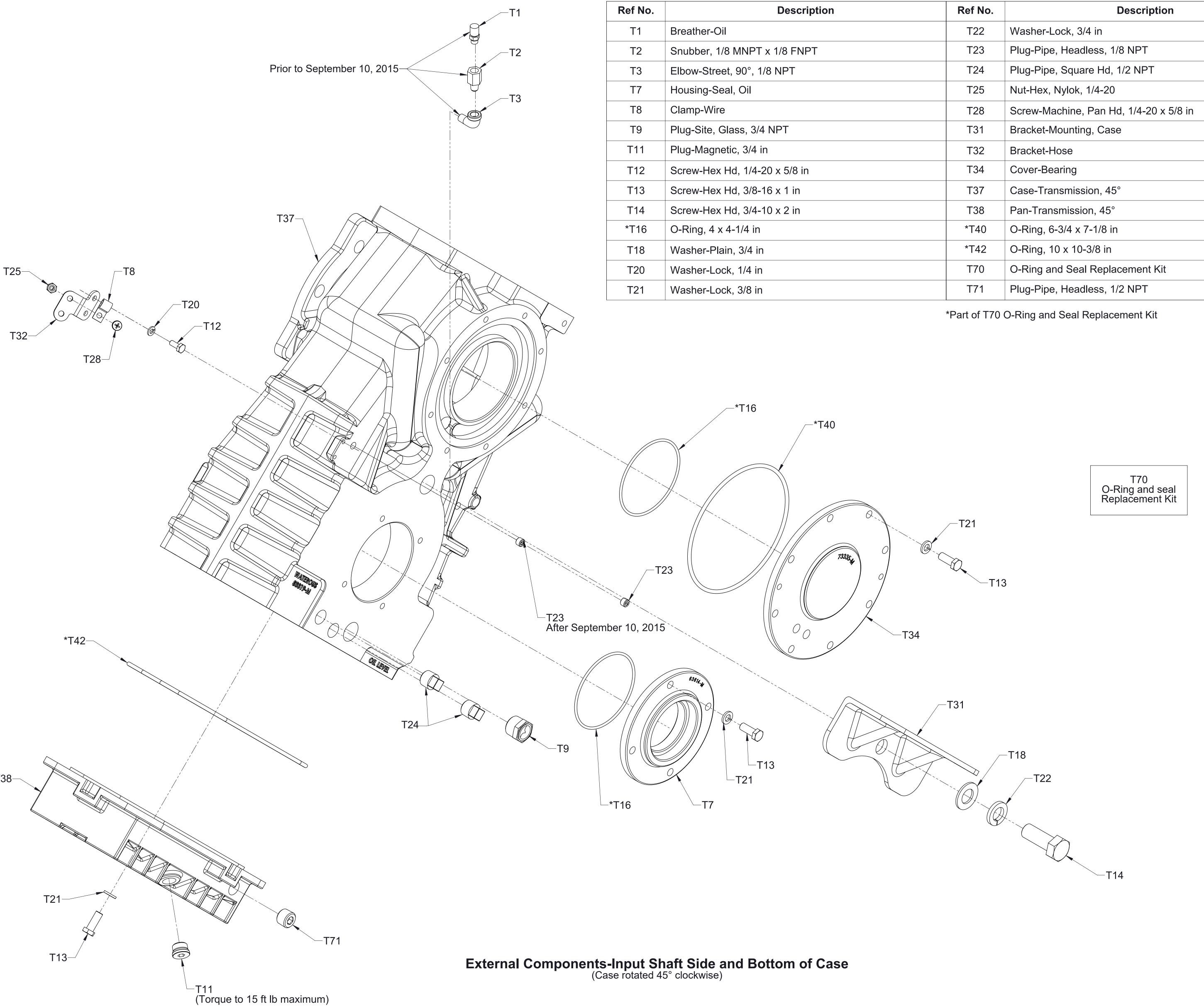
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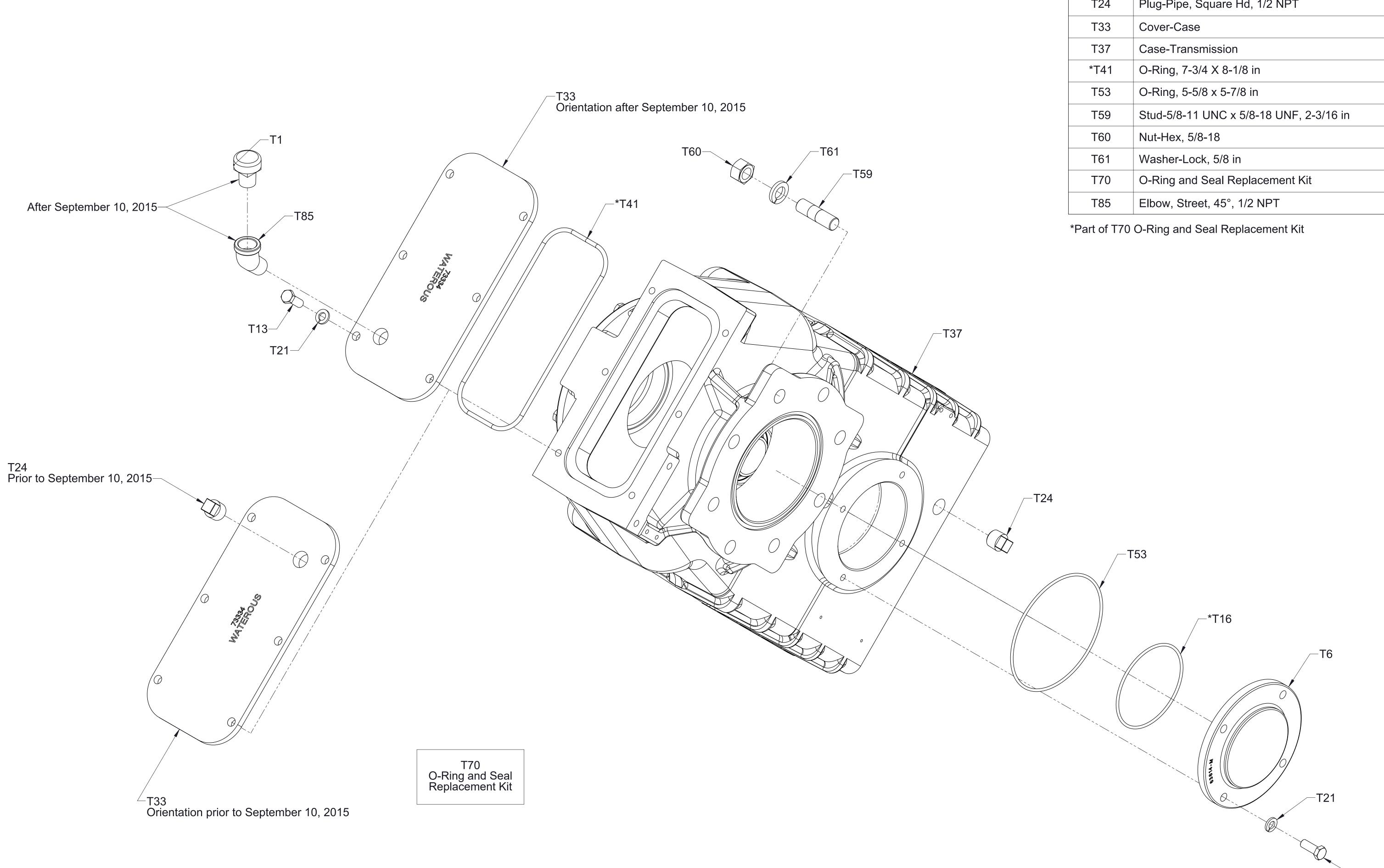
T70 O-Ring and Seal Replacement Kit

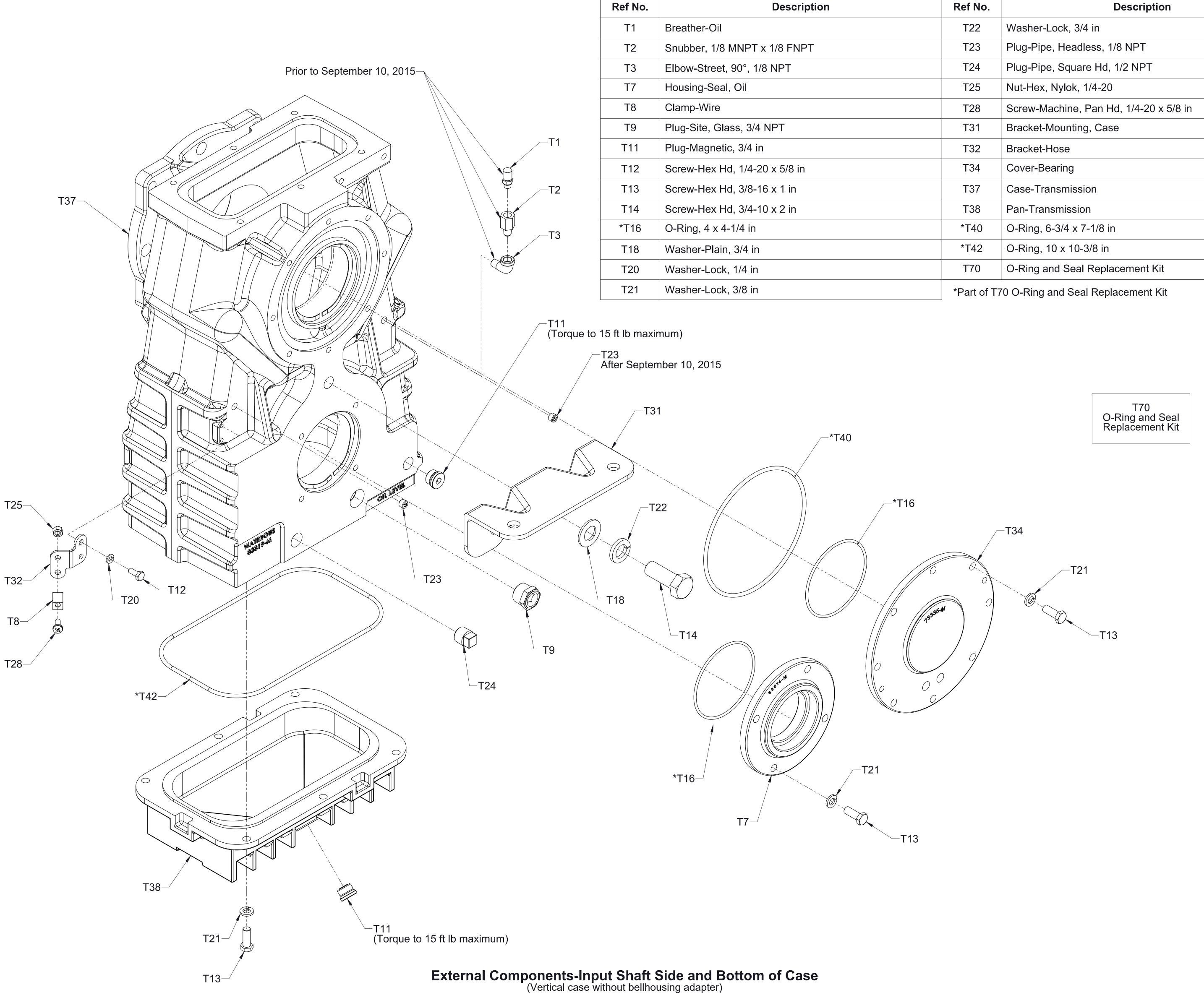
Ref No.	Description	Ref No.	Description
T10	Spring-Wave	*T45	Seal-Oil, 3 x 3-3/4 in
T15	Bearing, Ball, Single Row	T46	Bearing-Ball, Double Row, Angular Contact
T17	Seal-Oil, 2 x 2-3/4 in	T47	Spacer-Shaft, Impeller
T29	Chain and Pin Set-3/4 in Pitch	*T48	Washer-Lock, Bearing
T30	Spacer-Shaft, Drive	T49	Nut-Lock, Bearing
T35	Sprocket-Drive	T50	Spacer-Shaft, Impeller
T36	Shaft-Drive	T62	Pin-Connecting, Set
T39	Key-Square, 1/2 x 1-3/4 in	T70	O-Ring and Seal Replacement Kit
T43	Sprocket-Driven	T86	Plate-Drive (Optional)
T44	Sleeve-Seal, Oil	*Part of	T70 O-Ring and Seal Replacement Kit

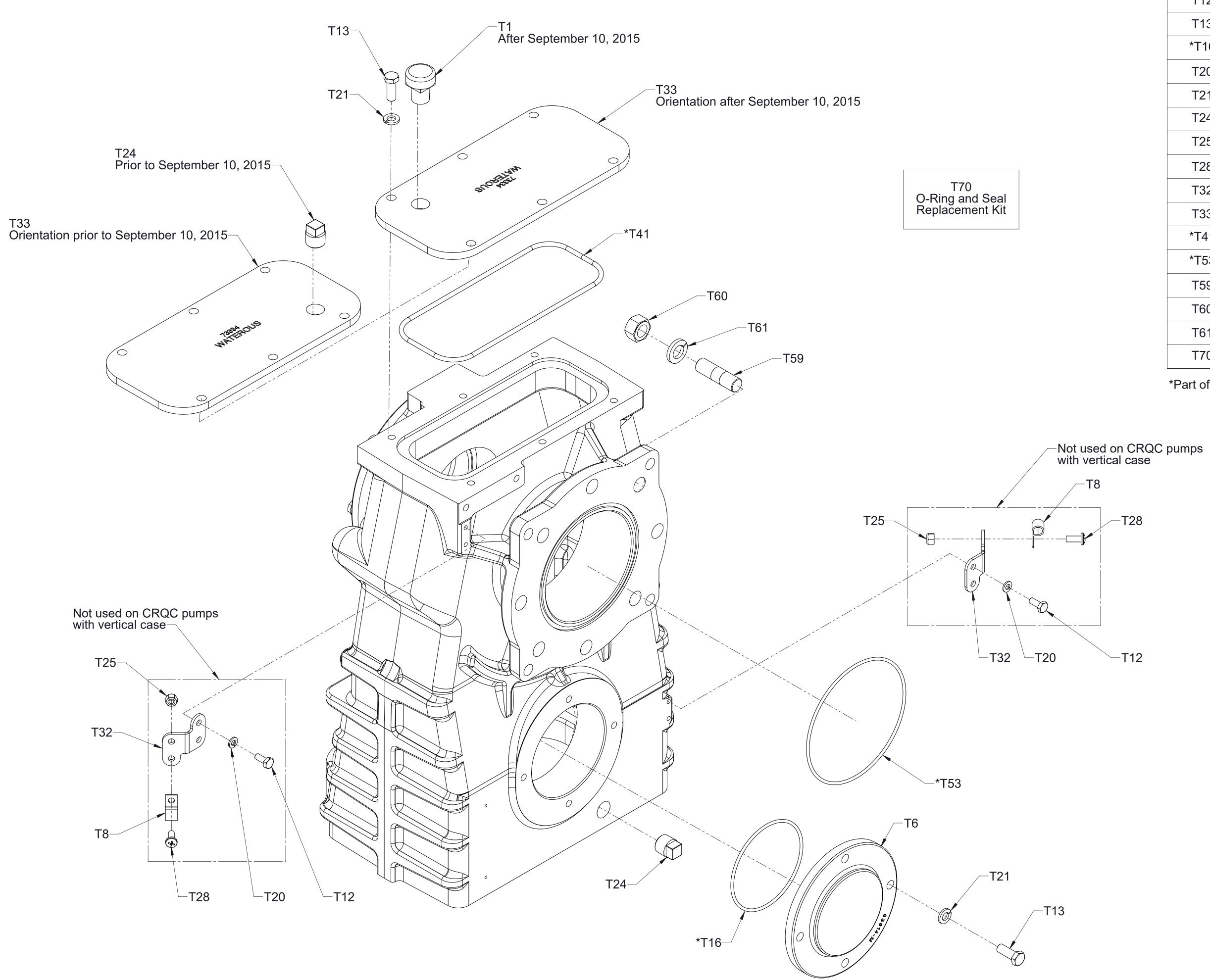
*Part of T70 O-Ring and Seal Replacement Kit





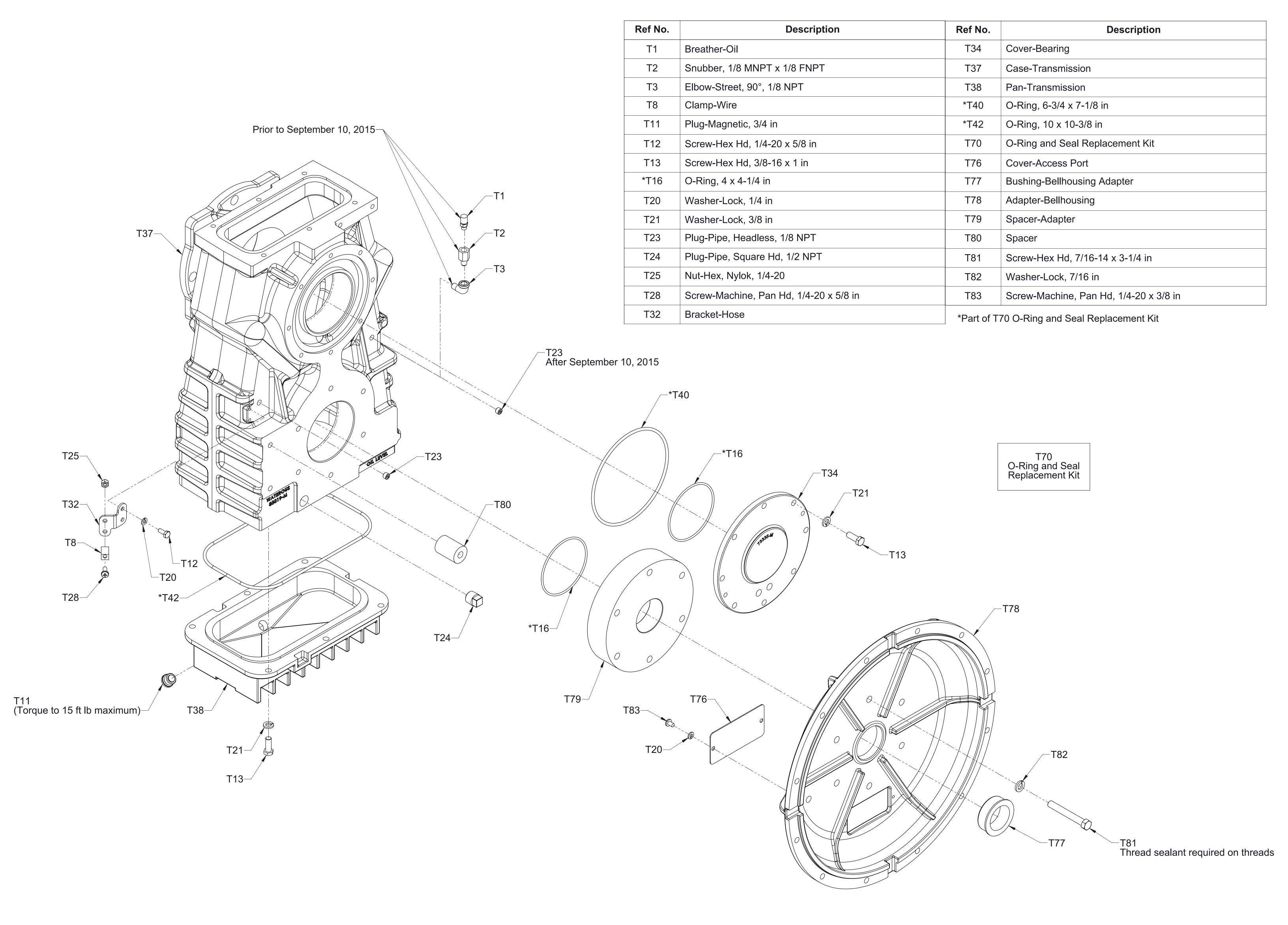


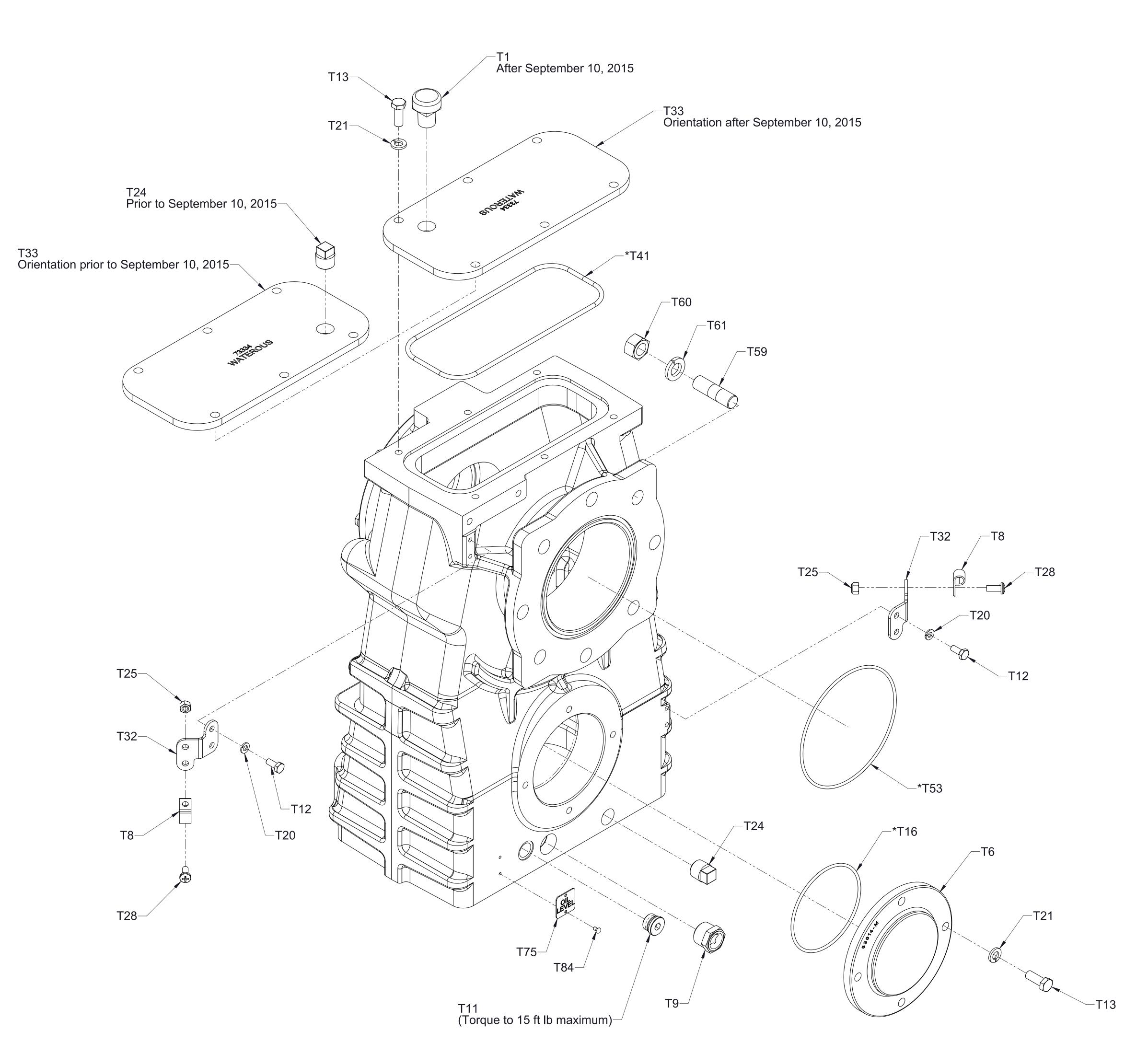




Ref No.	Description
T1	Breather, 1/2 NPT
Т6	Cover-Bearing
Т8	Clamp-Wire
T12	Screw-Hex Hd, 1/4-20 x 5/8 in
T13	Screw-Hex Hd, 3/8-16 x 1 in
*T16	O-Ring, 4 x 4-1/4 in
T20	Washer-Lock, 1/4 in
T21	Washer-Lock, 3/8 in
T24	Plug-Pipe, Square Hd, 1/2 NPT
T25	Nut-Hex, Nylok, 1/4-20
T28	Screw-Machine, Pan Hd, 1/4-20 x 5/8 in
T32	Bracket-Hose
T33	Cover-Case
*T41	O-Ring, 7-3/4 X 8-1/8 in
*T53	O-Ring, 5-5/8 x 5-7/8 in
T59	Stud-5/8-11 UNC x 5/8-18 UNF, 2-3/16 in
T60	Nut-Hex, 5/8-18
T61	Washer-Lock, 5/8 in
T70	O-Ring and Seal Replacement Kit

*Part of T70 O-Ring and Seal Replacement Kit

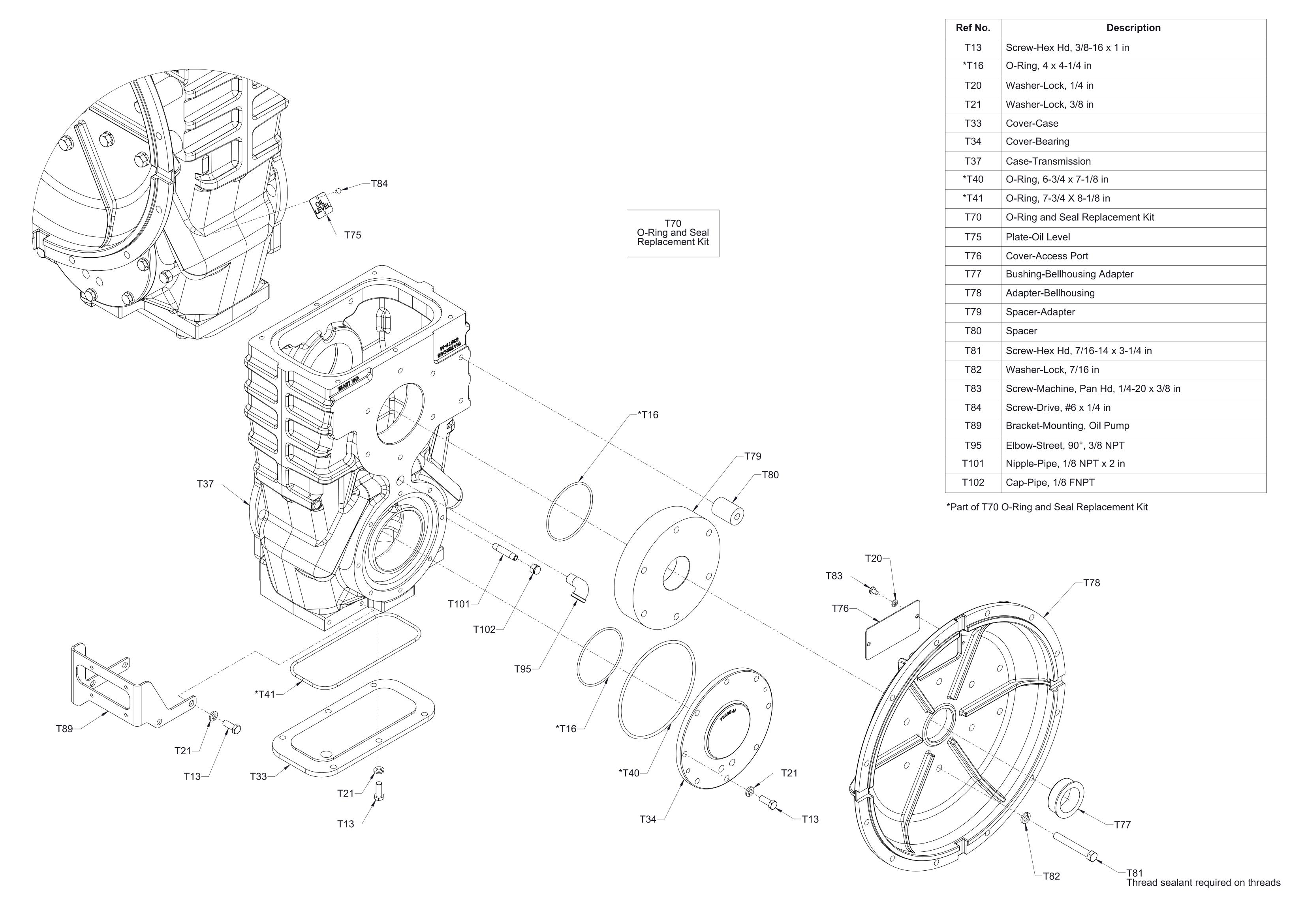


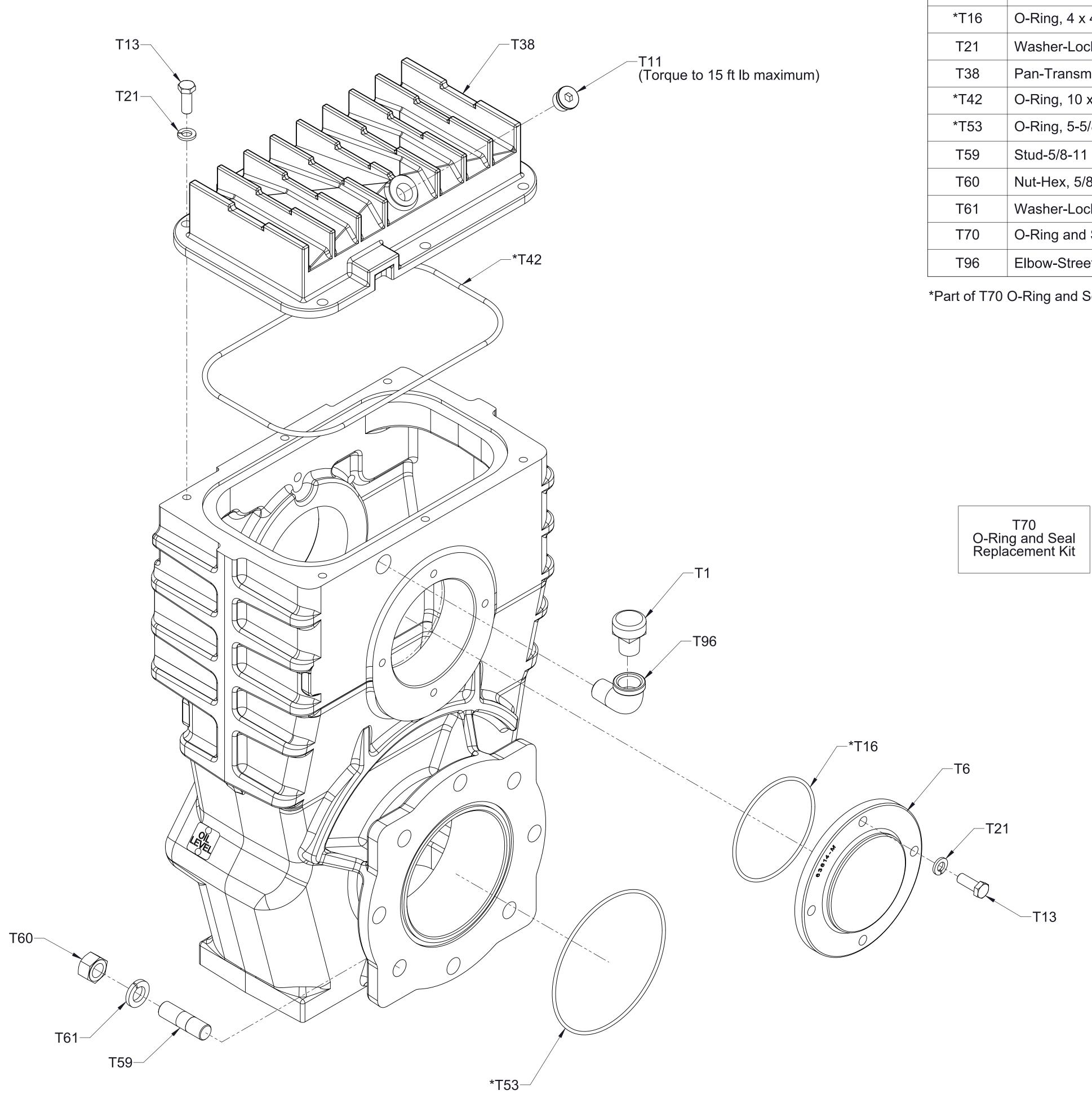


Ref No.	Description
T1	Breather, 1/2 NPT
Т6	Cover-Bearing
Т8	Clamp-Wire
Т9	Plug-Site, Glass, 3/4 NPT
T11	Plug-Magnetic, 3/4 in
T12	Screw-Hex Hd, 1/4-20 x 5/8 in
T13	Screw-Hex Hd, 3/8-16 x 1 in
*T16	O-Ring, 4 x 4-1/4 in
T20	Washer-Lock, 1/4 in
T21	Washer-Lock, 3/8 in
T24	Plug-Pipe, Square Hd, 1/2 NPT
T25	Nut-Hex, Nylok, 1/4-20
T28	Screw-Machine, Pan Hd, 1/4-20 x 5/8 in
T32	Bracket-Hose
T33	Cover-Case
*T41	O-Ring, 7-3/4 X 8-1/8 in
*T53	O-Ring, 5-5/8 x 5-7/8 in
T59	Stud-5/8-11 UNC x 5/8-18 UNF, 2-3/16 in
T60	Nut-Hex, 5/8-18
T61	Washer-Lock, 5/8 in
T70	O-Ring and Seal Replacement Kit
T75	Plate-Oil Level
T84	Screw-Drive, #6 x 1/4 in

*Part of T70 O-Ring and Seal Replacement Kit

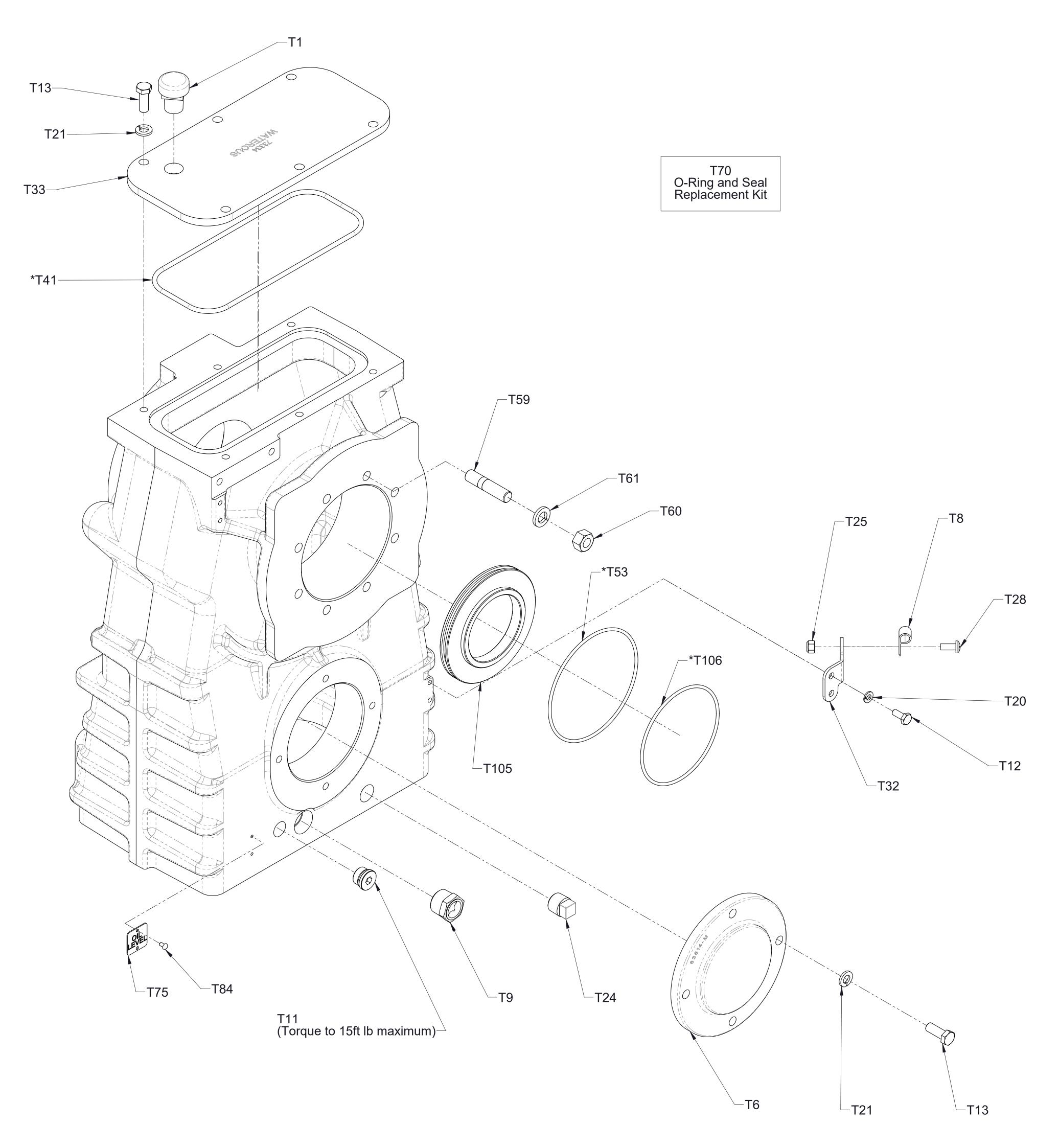
T70 O-Ring and Seal Replacement Kit





Description Ref No. T1 Breather, 1/2 NPT Cover-Bearing T6 Plug-Magnetic, 3/4 in T11 T13 Screw-Hex Hd, 3/8-16 x 1 in O-Ring, 4 x 4-1/4 in Washer-Lock, 3/8 in Pan-Transmission O-Ring, 10 x 10-3/8 in O-Ring, 5-5/8 x 5-7/8 in Stud-5/8-11 UNC x 5/8-18 UNF, 2-3/16 in Nut-Hex, 5/8-18 Washer-Lock, 5/8 in O-Ring and Seal Replacement Kit Elbow-Street, 90°, 1/2 NPT

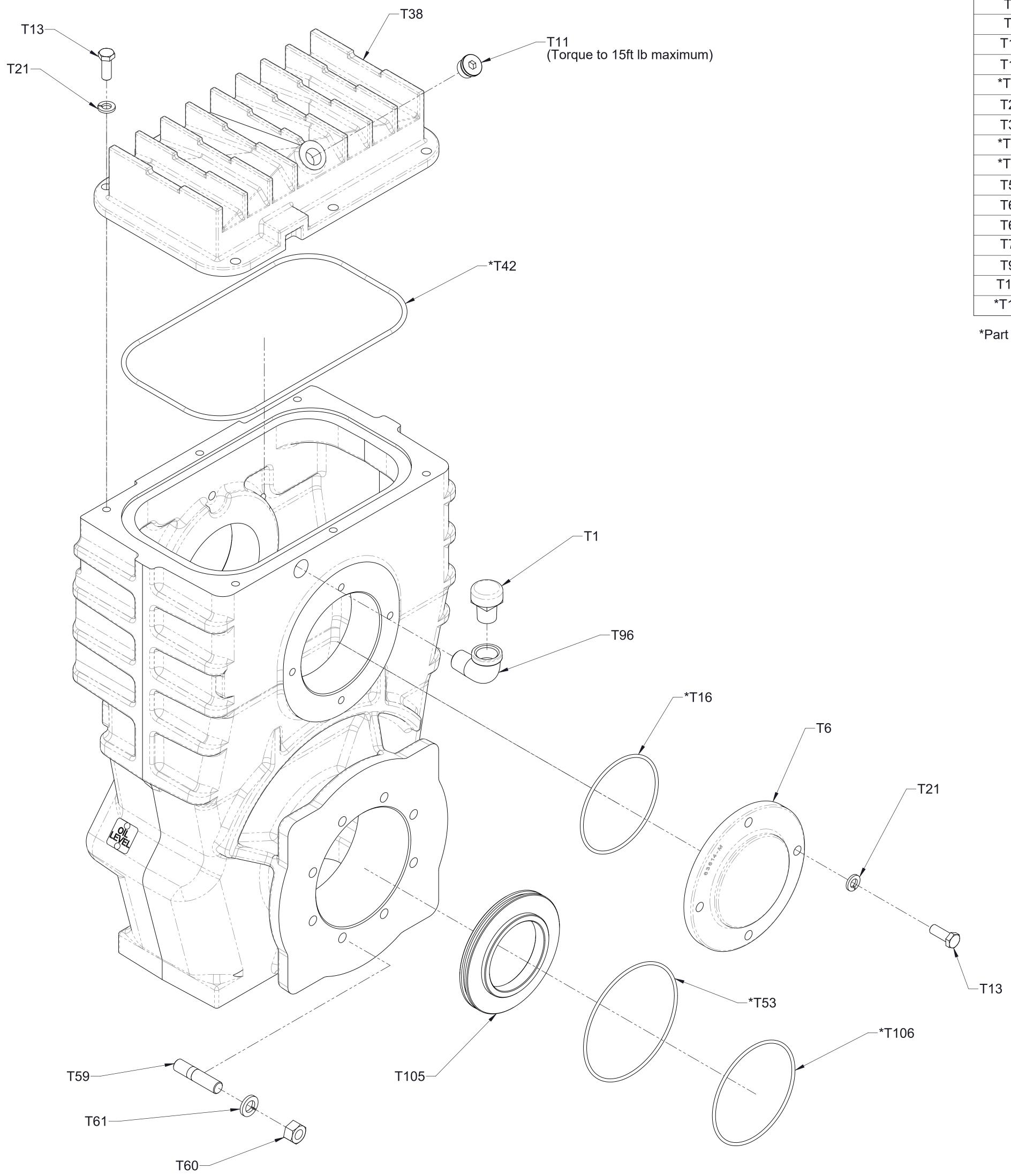
*Part of T70 O-Ring and Seal Replacement Kit



External Components-Output Shaft Side and Top of Case (S100 Vertical with bellhousing adapter)

Ref No.	Description
T1	Breather, 1/2 NPT
T6	Cover-Bearing
T8	Clamp-Wire
Т9	Plug-Site, Glass, 3/4 NPT
T11	Plug-Magnetic, 3/4 in
T12	Screw-Hex Hd, 1/4-20 x 5/8 in
T13	Screw-Hex Hd, 3/8-16 x 1 in
T20	Washer-Lock, 1/4 in
T21	Washer-Lock, 3/8 in
T24	Plug-Pipe, Square Hd, 1/2 NPT
T25	Nut-Hex, Nylok, 1/4-20
T28	Screw-Machine, Pan Hd, 1/4-20 x 5/8 in
T32	Bracket-Hose
T33	Cover-Case
*T41	O-Ring, 7-3/4 X 8-1/8 in
*T53	O-Ring, 4-7/8 x 5-1/8 in
T59	Stud-Coarse, 1/2-13 x 2-1/4 in
T60	Nut-Hex, 1/2-13
T61	Washer-Lock, 1/2 in
T70	O-Ring and Seal Replacement Kit
T75	Plate-Oil Level
T84	Screw-Drive, #6 x 1/4 in
T105	Plate-Adapter
*T106	O-Ring, 4-1/4 x 4-1/2 in

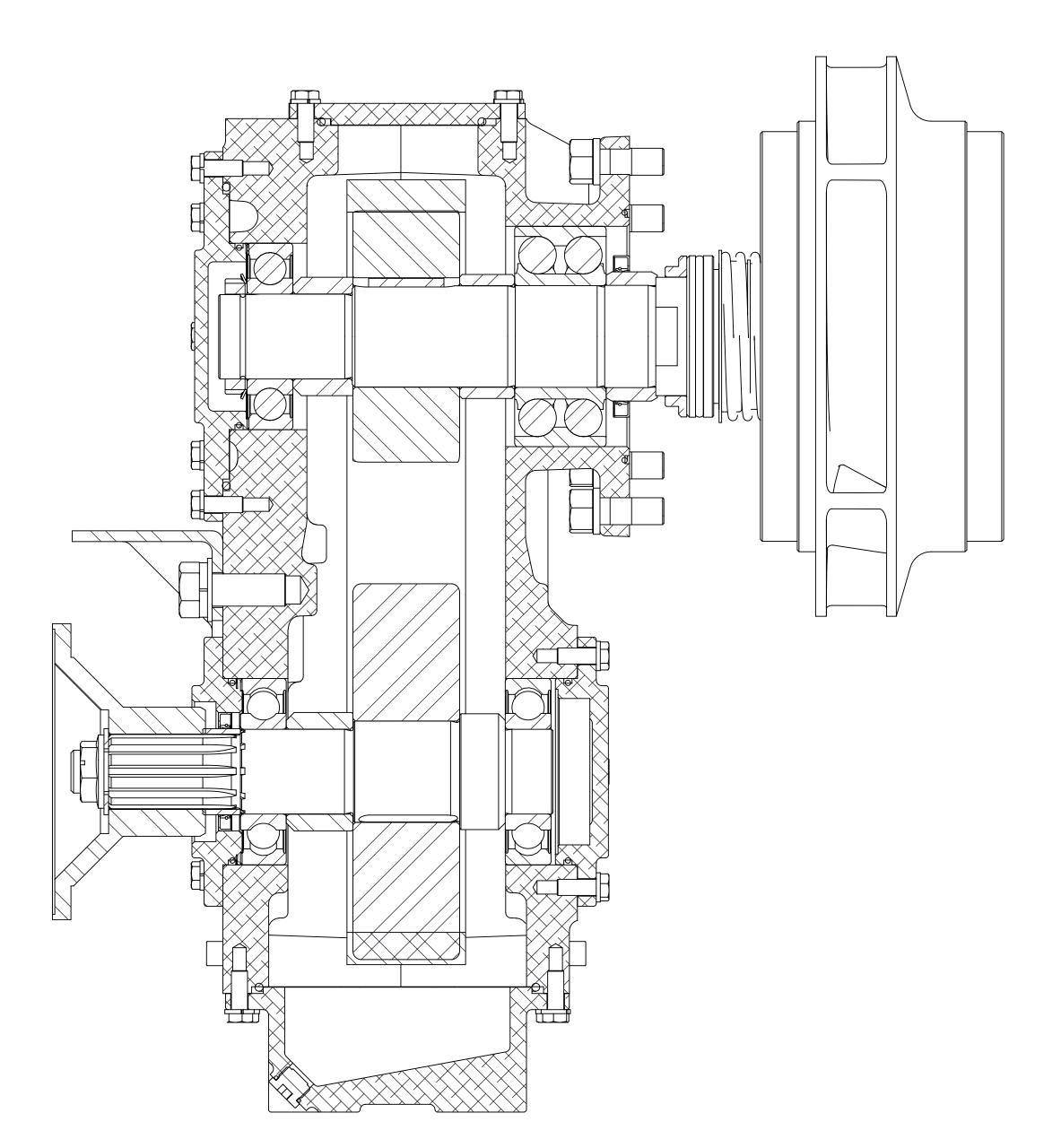
*Part of T70 O-Ring and Seal Replacement Kit

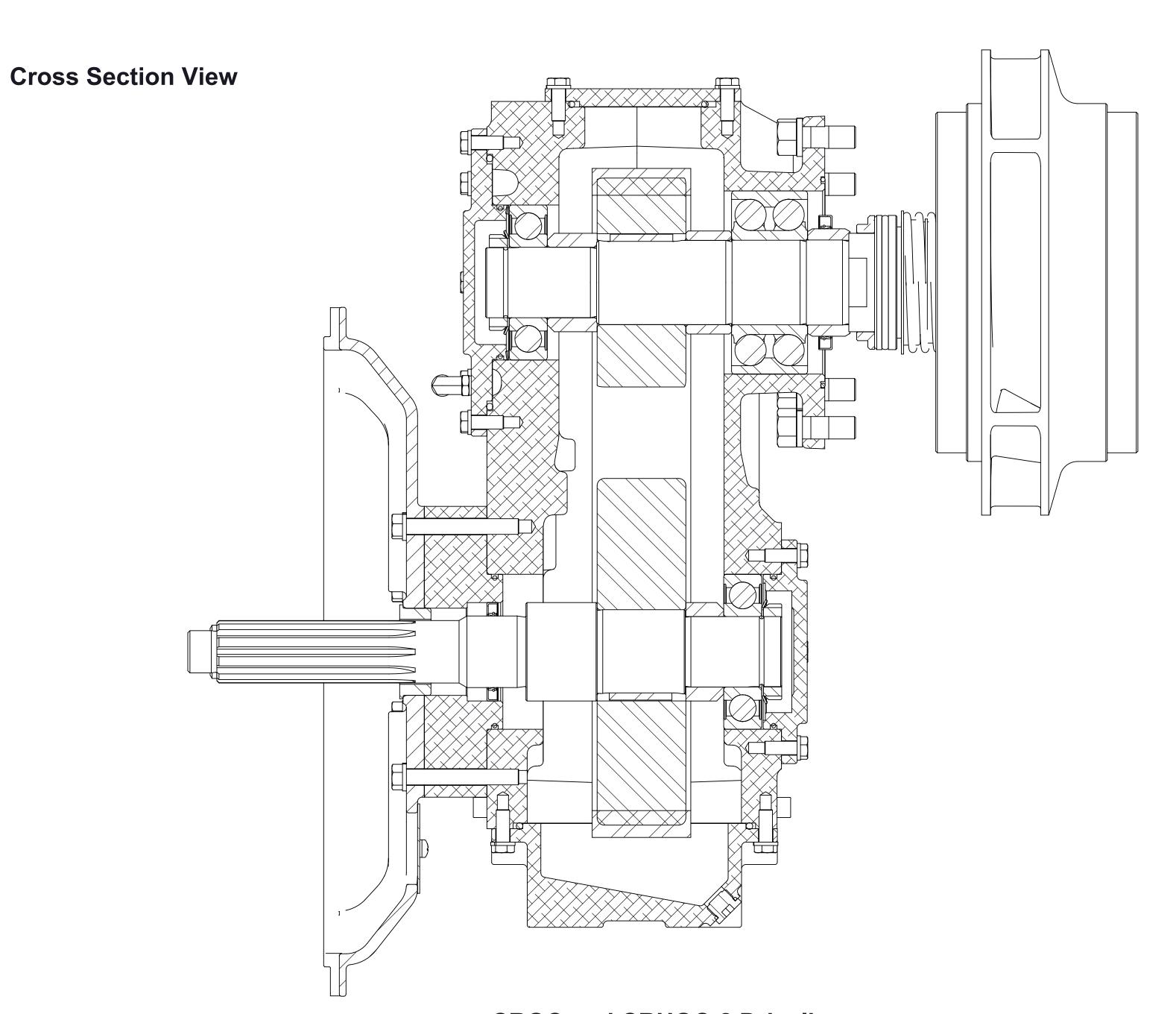


Ref No.	Description
T1	Breather, 1/2 NPT
T6	Cover-Bearing
T11	Plug-Magnetic, 3/4 in
T13	Screw-Hex Hd, 3/8-16 x 1 in
*T16	O-Ring, 4 x 4-1/4 in
T21	Washer-Lock, 3/8 in
T38	Pan-Transmission
*T42	O-Ring, 10 x 10-3/8 in
*T53	O-Ring, 4-7/8 x 5-1/8 in
T59	Stud-Coarse, 1/2-13 x 2-1/4 in
T60	Nut-Hex, 1/2-13
T61	Washer-Lock, 1/2 in
T70	O-Ring and Seal Replacement Kit
T96	Elbow-Street, 90°, 1/2 NPT
T105	Plate-Adapter
*T106	O-Ring, 4-1/4 x 4-1/2 in

*Part of T70 O-Ring and Seal Replacement Kit

T70 O-Ring and Seal Replacement Kit





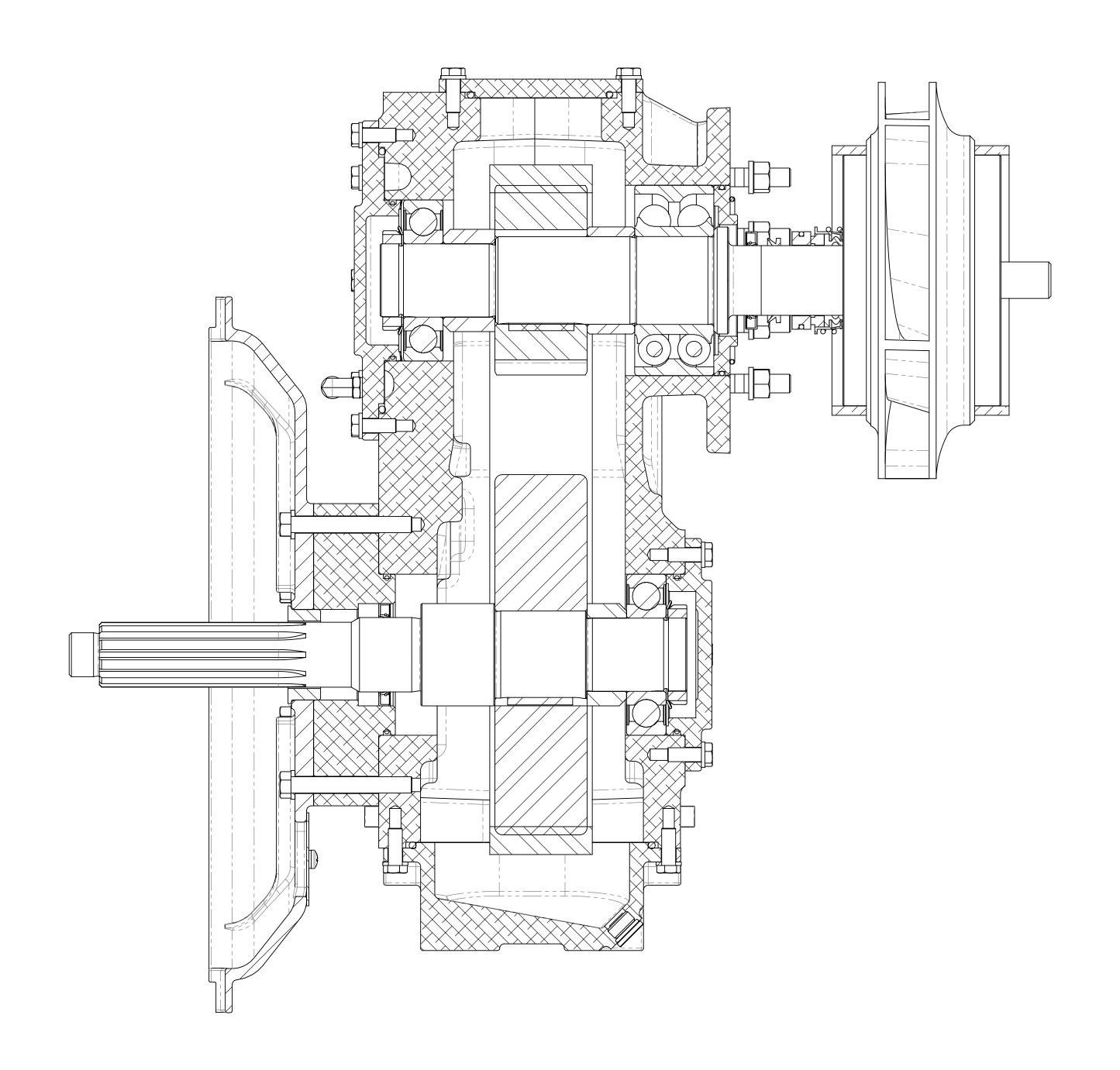
CRQC and CRUQC-2 Driveline without Bellhousing Adapter (See sheets 2-11 for part numbers)

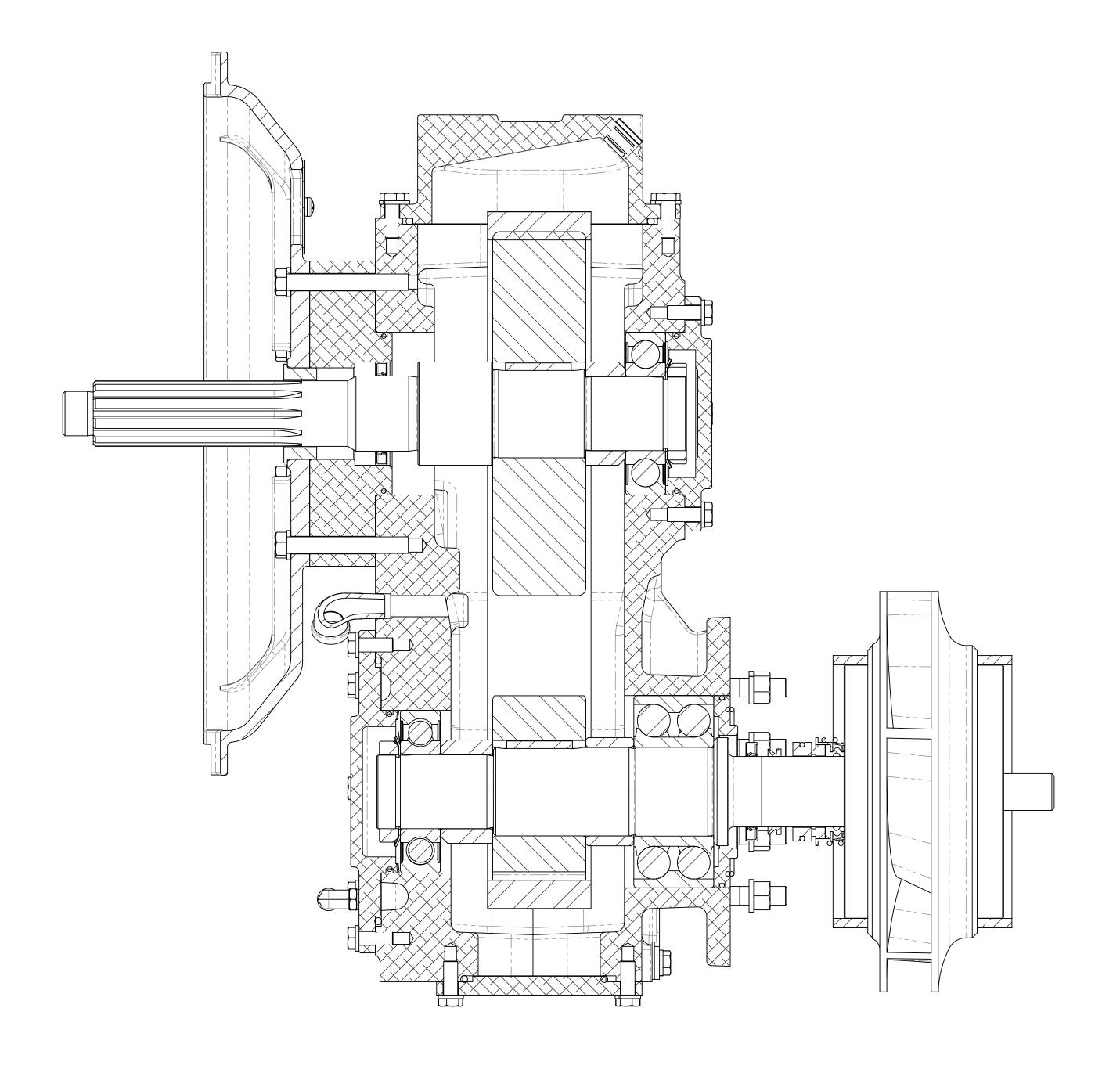
CRQC and CRUQC-2 Driveline with Bellhousing Adapter (See sheets 2-11 for part numbers)

For Components See the Following:

		Bellhousing Adapter	See Page			
Pump Model	Case Mounting (Viewed from Input Side)		Internal Components	External Components		
				Input Shaft Side and Bottom of Case	Output Shaft Side and Top of Case	
	Rotated 45° Clockwise	NIa	2	4	5	
	Vertical	No	2	6	7	
CRQC	Vertical		3	8	9	
	Inverted	Yes	3	10	11	
	Vertical		2	6	7	
	Rotated 45° Clockwise	No	2	4	5	
CRUQC-2	Vertical		3	8	9	
	Inverted	Yes	3	10	11	

Cross Section View



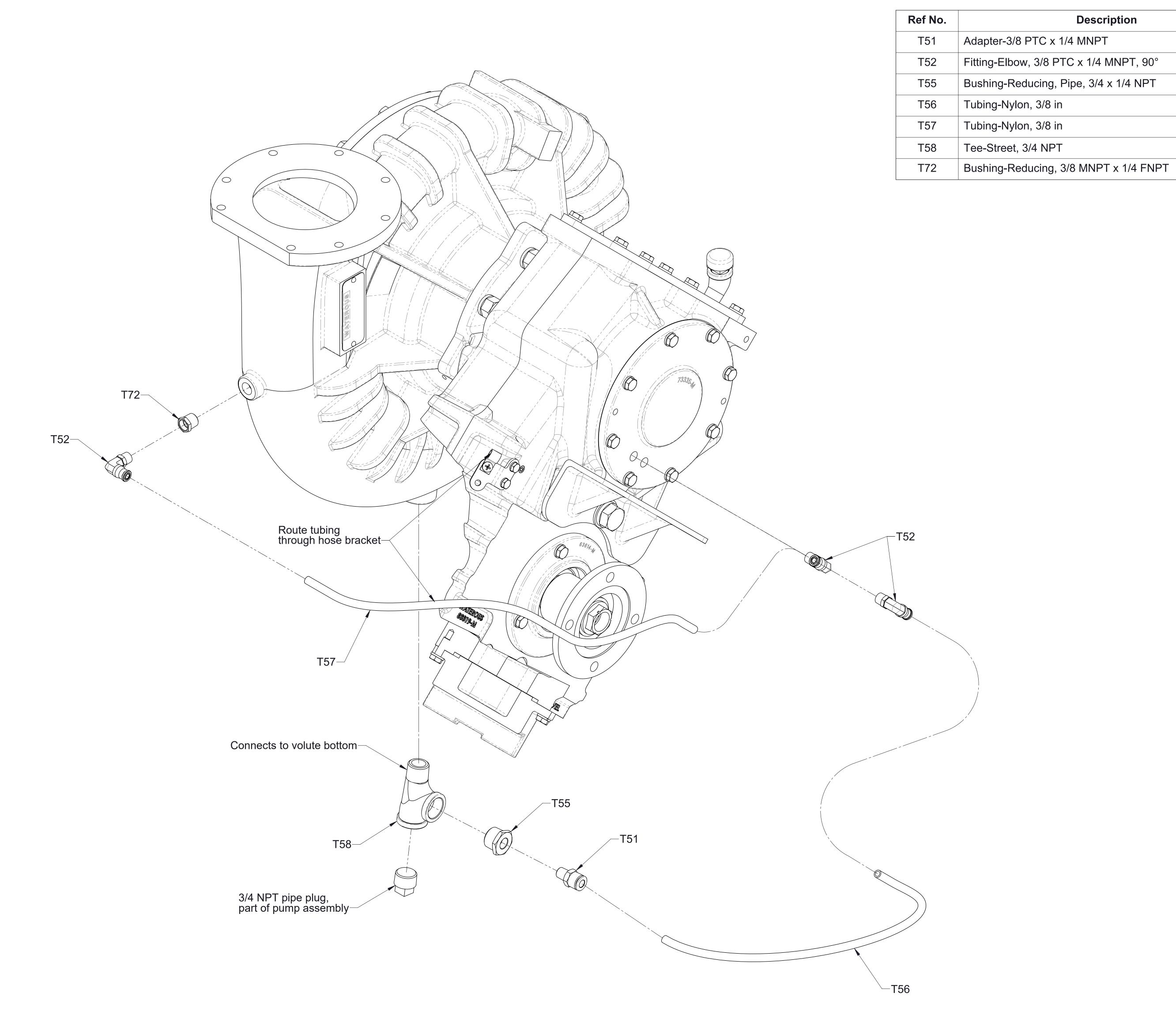


S100QC Vertical with Bellhousing Adapter (See page 3, 8 or 12 for part numbers)

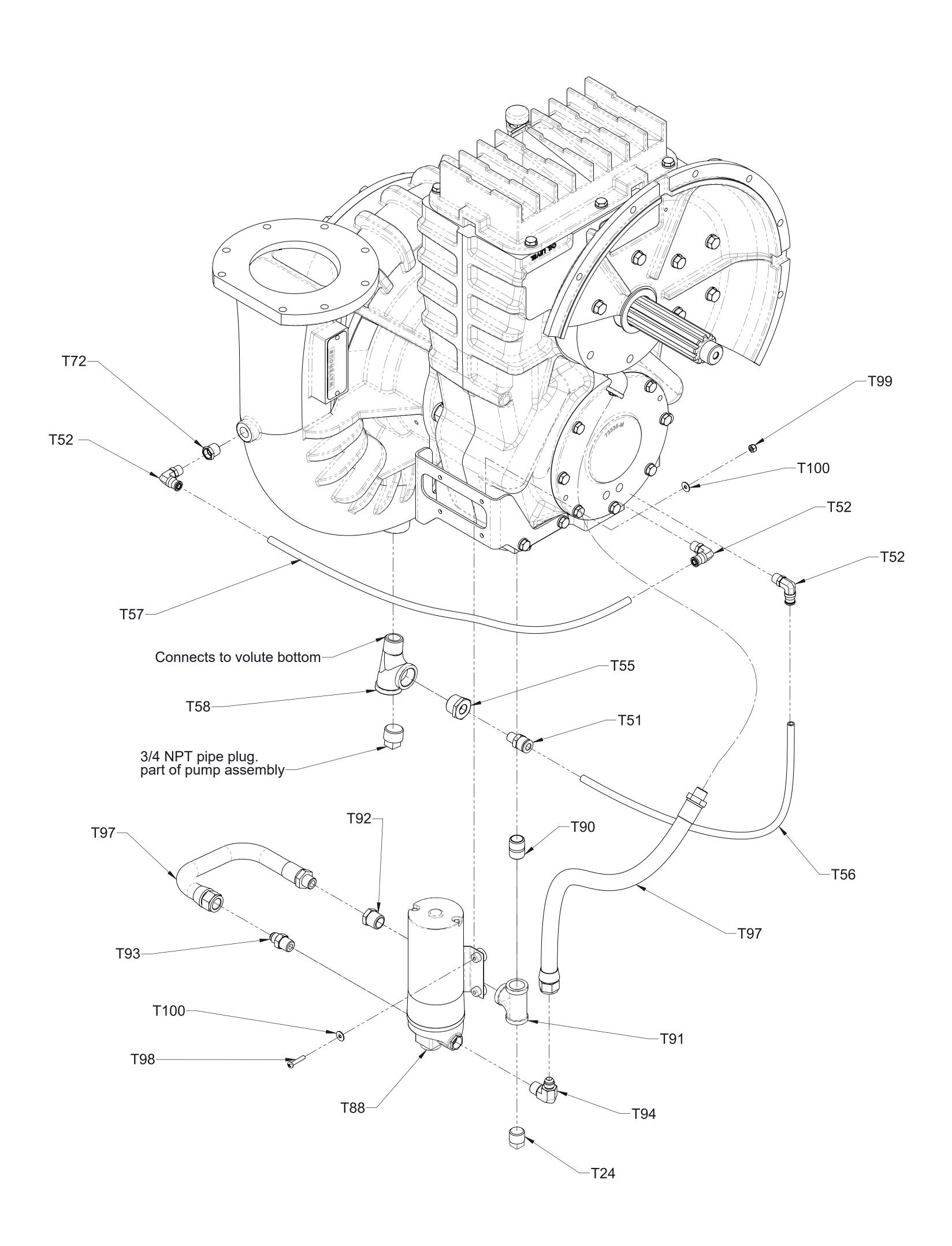
S100QC Inverted with Bellhousing Adapter (See page 3, 10 or 13 for part numbers)

For Components See the Following:

Pump Model			See Page			
	Case Mounting (Viewed from Input Side)	Bellhousing Adapter	Internal Components	External Components		
				Input Shaft Side and Bottom of Case	Output Shaft Side and Top of Case	
040000	Vertical	Yes	3	8	12	
S100QC	Inverted	Yes	3	10	13	

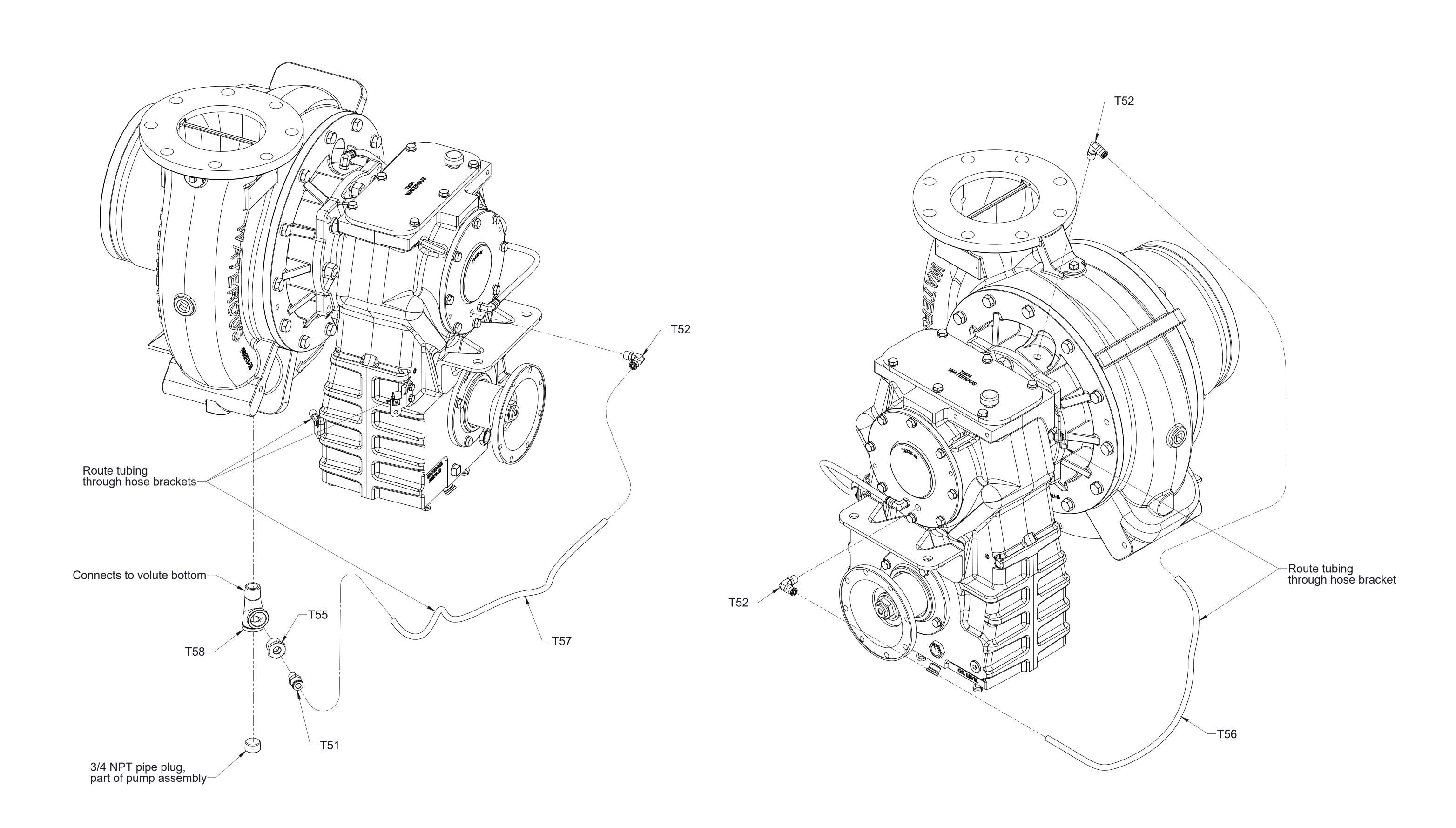


Description

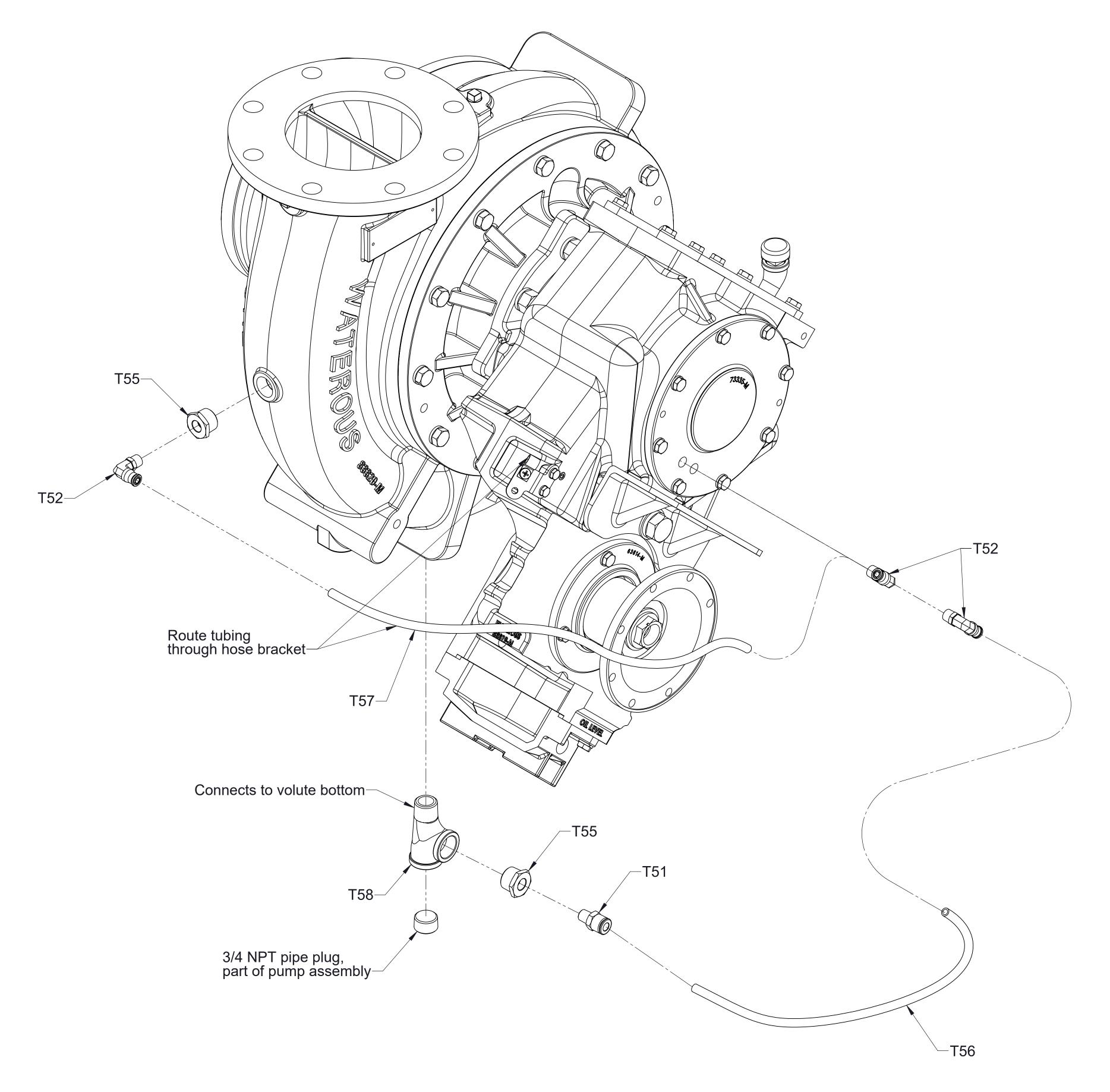


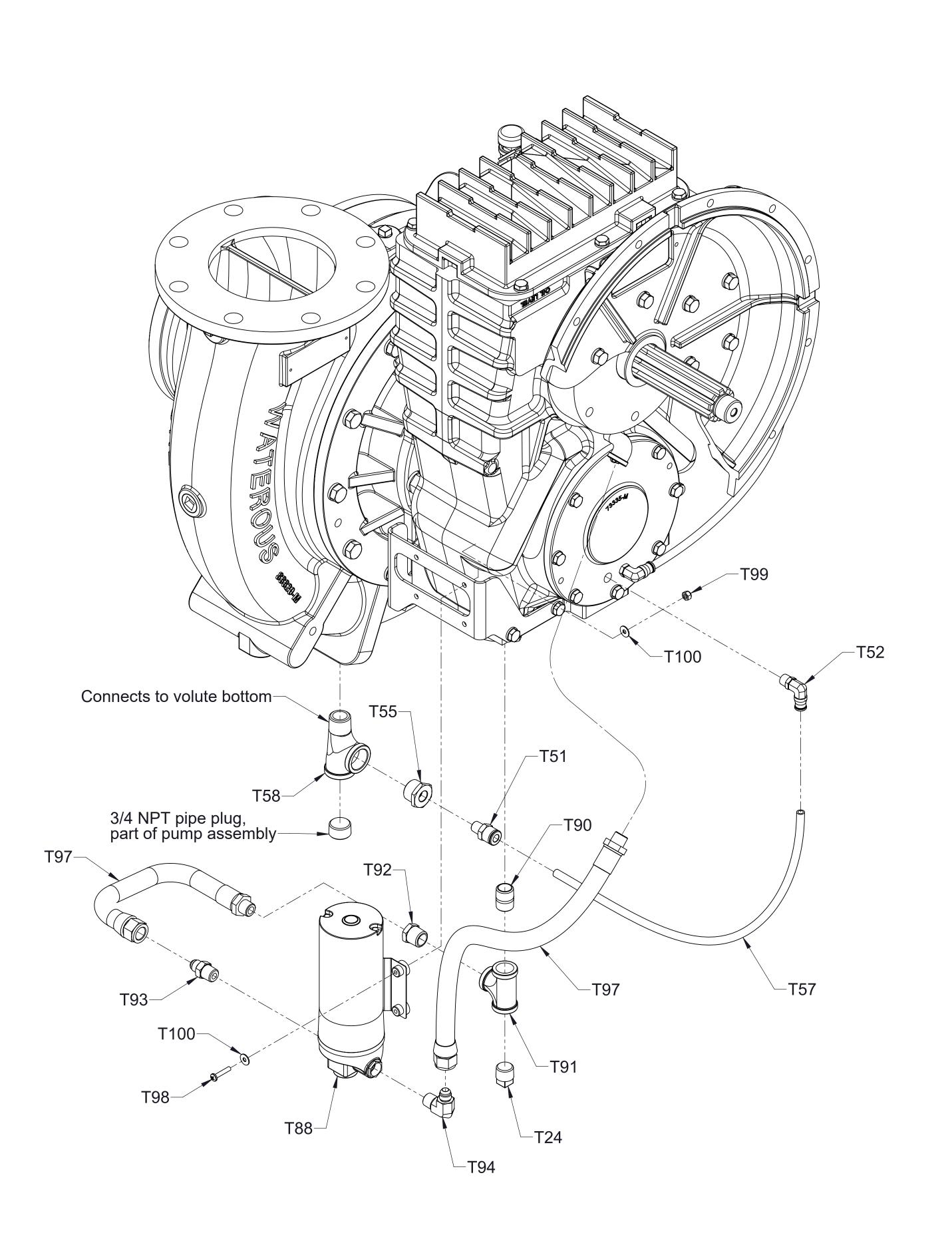
Ref No.	Description			
T24	Plug-Pipe, Square Hd, 1/2 NPT			
T51	Adapter-3/8 PTC x 1/4 MNPT			
T52	Fitting-Elbow, 3/8 PTC x 1/4 MNPT, 90°			
T55	Bushing-Reducing, Pipe, 3/4 x 1/4 NPT			
T56	Tubing-Nylon, 3/8 in			
T57	Tubing-Nylon, 3/8 in			
T58	Tee-Street, 3/4 NPT			
T72	Bushing-Reducing, 3/8 MNPT x 1/4 FNPT			
T88	Pump-Oil, 12V			
T90	Nipple-Pipe, 1/2 NPT x 1-1/8 in			
T91	Tee-Standard, Pipe, 1/2 NPT			
T92	Bushing-Reducing, Pipe, 1/2 x 3/8 NPT			
T93	Adapter-Male, 3/8 Flare x 3/8 NPT			
T94	Elbow-Male, 3/8 NPT x 3/8 Flare			
T97	Hose Assembly			
T98	Screw-Machine, Pan Hd, #10-24 x 1 in			
T99	Nut-Hex, Nylok, #10-32			
T100	Washer-Flat, Machine Screw, #10			

Ref No.	Description
T51	Adapter-3/8 PTC x 1/4 MNPT
T52	Fitting-Elbow, 3/8 PTC x 1/4 MNPT, 90°
T55	Bushing-Reducing, Pipe, 3/4 x 1/4 NPT
T56	Tubing-Nylon, 3/8 in
T57	Tubing-Nylon, 3/8 in
T58	Tee-Street, 3/4 NPT

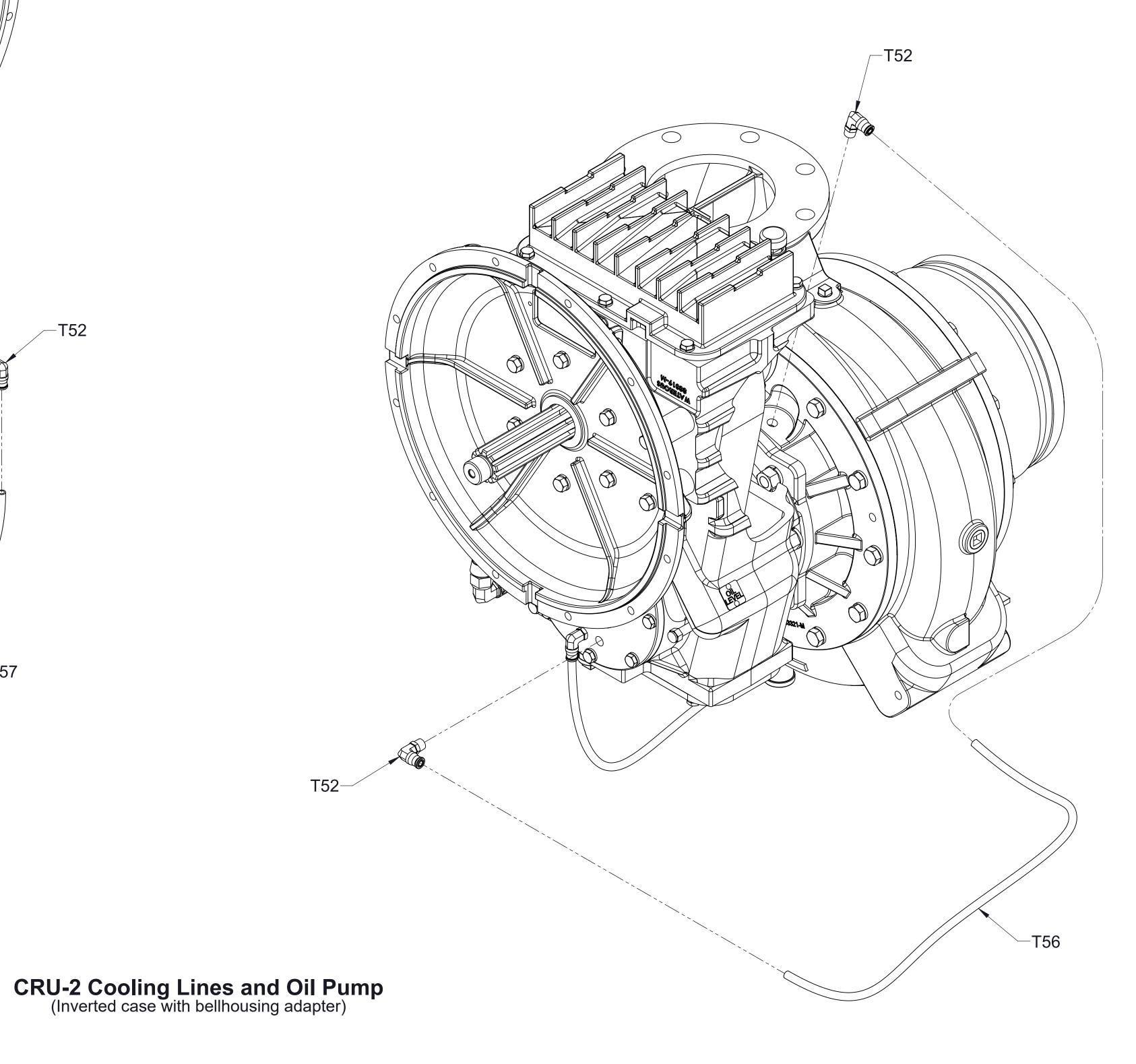


Ref No.	Description
T51	Adapter-3/8 PTC x 1/4 MNPT
T52	Fitting-Elbow, 3/8 PTC x 1/4 MNPT, 90°
T55	Bushing-Reducing, Pipe, 3/4 x 1/4 NPT
T56	Tubing-Nylon, 3/8 in
T57	Tubing-Nylon, 3/8 in
T58	Tee-Street, 3/4 NPT

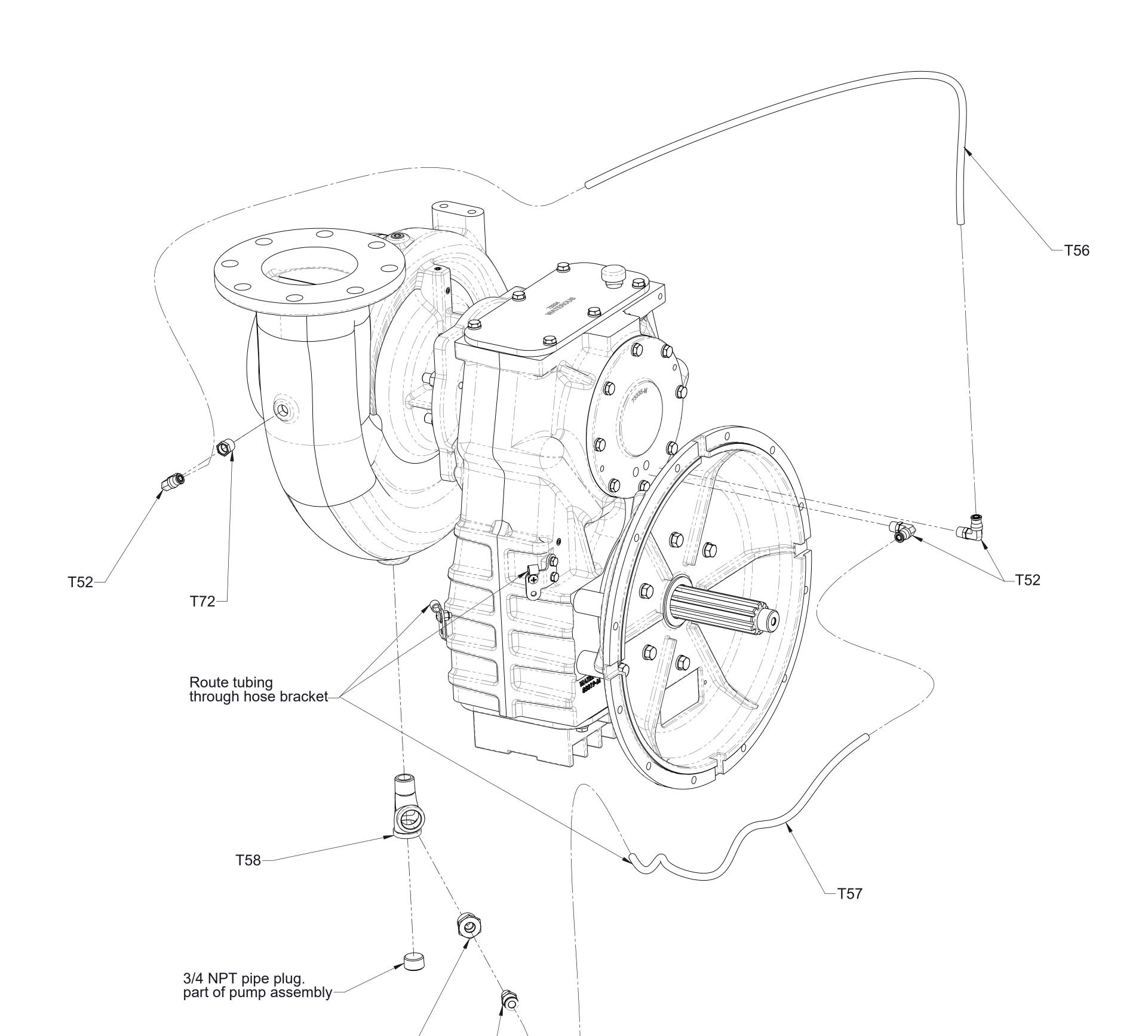




Ref No.	Description
T24	Plug-Pipe, Square Hd, 1/2 NPT
T51	Adapter-3/8 PTC x 1/4 MNPT
T52	Fitting-Elbow, 3/8 PTC x 1/4 MNPT, 90°
T55	Bushing-Reducing, Pipe, 3/4 x 1/4 NPT
T56	Tubing-Nylon, 3/8 in
T57	Tubing-Nylon, 3/8 in
T58	Tee-Street, 3/4 NPT
T88	Pump-Oil, 12V
T90	Nipple-Pipe, 1/2 NPT x 1-1/8 in
T91	Tee-Standard, Pipe, 1/2 NPT
T92	Bushing-Reducing, Pipe, 1/2 x 3/8 NPT
T93	Adapter-Male, 3/8 Flare x 3/8 NPT
T94	Elbow-Male, 3/8 NPT x 3/8 Flare
T97	Hose Assembly
T98	Screw-Machine, Pan Hd, #10-24 x 1 in
T99	Nut-Hex, Nylok, #10-32
T100	Washer-Flat, Machine Screw, #10



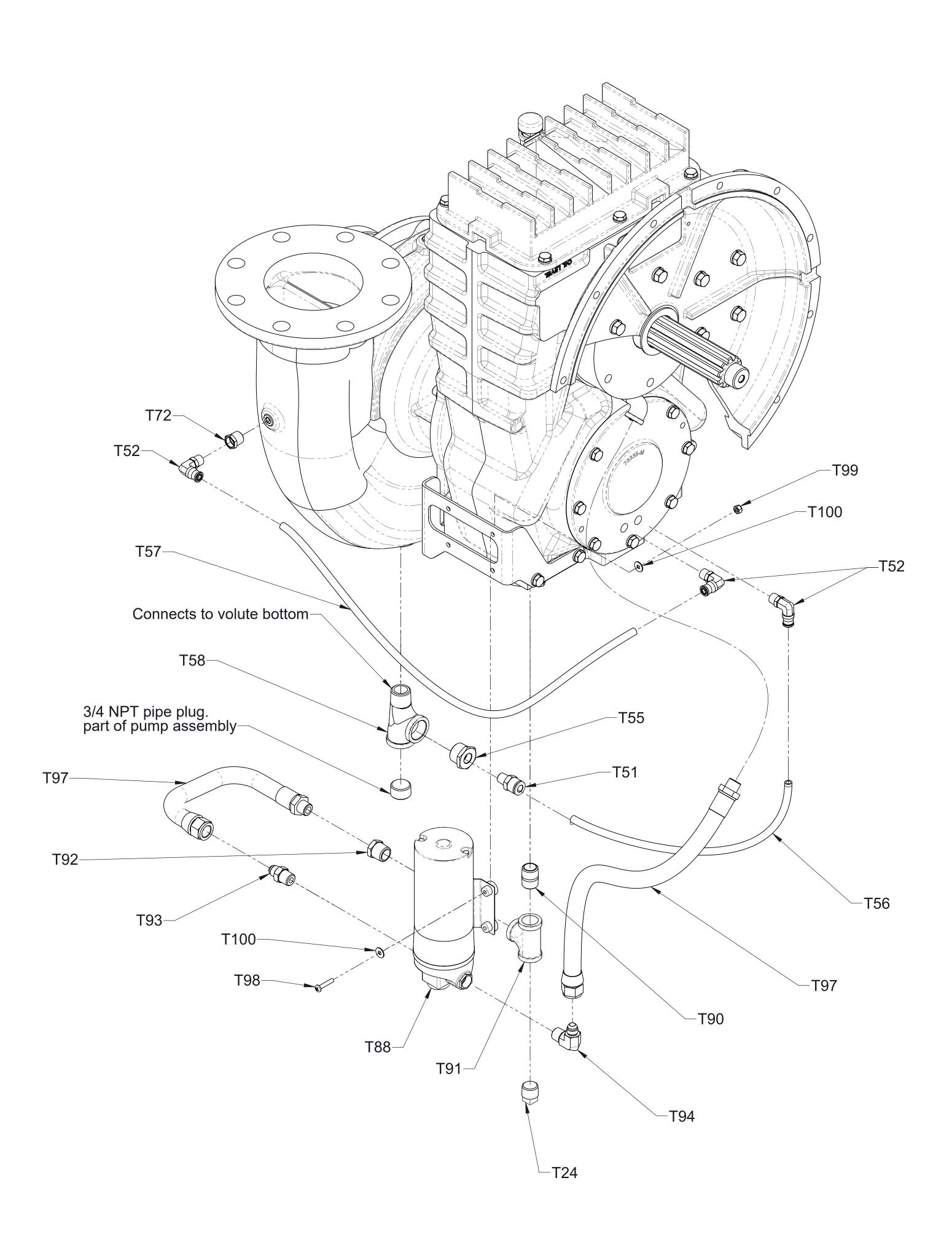
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T55—

T51

Ref No.	Description
T51	Adapter-3/8 PTC x 1/4 MNPT
T52	Fitting-Elbow, 3/8 PTC x 1/4 MNPT, 90°
T55	Bushing-Reducing, Pipe, 3/4 x 1/4 NPT
T56	Tubing-Nylon, 3/8 in
T57	Tubing-Nylon, 3/8 in
T58	Tee-Street, 3/4 NPT
T72	Bushing-Reducing, 3/8 MNPT x 1/4 FNPT



Ref No.	Description
T24	Plug-Pipe, Square Hd, 1/2 NPT
T51	Adapter-3/8 PTC x 1/4 MNPT
T52	Fitting-Elbow, 3/8 PTC x 1/4 MNPT, 90°
T55	Bushing-Reducing, Pipe, 3/4 x 1/4 NPT
T56	Tubing-Nylon, 3/8 in
T57	Tubing-Nylon, 3/8 in
T58	Tee-Street, 3/4 NPT
T72	Bushing-Reducing, 3/8 MNPT x 1/4 FNPT
T88	Pump-Oil, 12V
T90	Nipple-Pipe, 1/2 NPT x 1-1/8 in
T91	Tee-Standard, Pipe, 1/2 NPT
T92	Bushing-Reducing, Pipe, 1/2 x 3/8 NPT
T93	Adapter-Male, 3/8 Flare x 3/8 NPT
T94	Elbow-Male, 3/8 NPT x 3/8 Flare
T97	Hose Assembly
T98	Screw-Machine, Pan Hd, #10-24 x 1 in
T99	Nut-Hex, Nylok, #10-32
T100	Washer-Flat, Machine Screw, #10