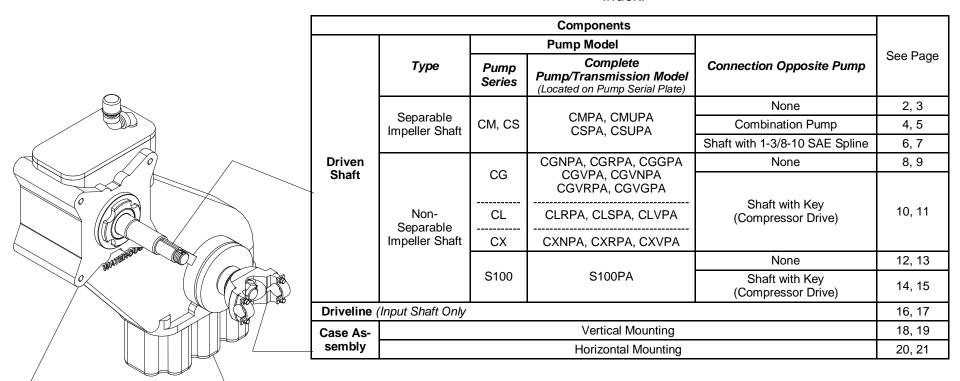


Pump Mounting Flange

Document Number	Issue Date	Rev. Date
SPL82026	08/12/94	11/22/17

#### PA Transmission Service Parts List

#### Index:

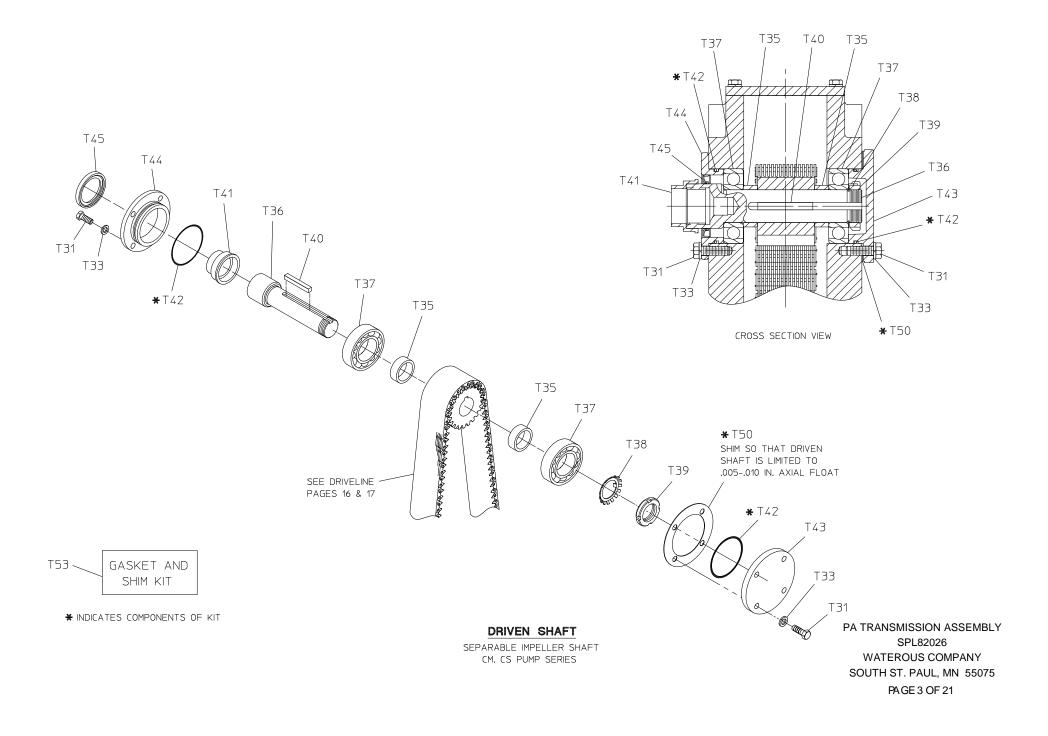


Note: When ordering parts please supply Pump and/or Transmission Serial Number.

## Driven Shaft, Separable Impeller Shaft CM & CS Pump Series

REF. NO.	DESCRIPTION
T31	Hex hd screw, 3/8-16 x 1-1/4 in.
T33	Lockwasher, 3/8 in.
T35	Driven shaft spacer
T36	Driven shaft
T37	Ball bearing, single row
T38	Bearing lock washer
T39	Bearing lock nut
T40	Square key, 5/16 x 5/16 x 2-5/16 in.

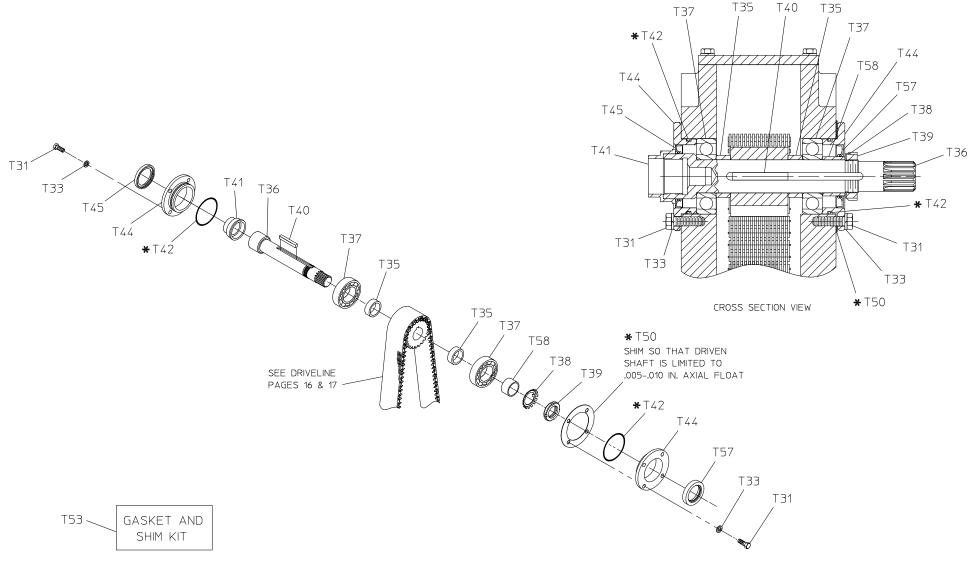
REF. NO.	DESCRIPTION
T41	Sealing boot
T42	O-ring, 2-7/8 x 3-1/8 in.
T43	Oil seal housing
T44	Oil seal housing
T45	Oil seal, 1-7/8 x 2-5/8 in.
T50	Driven shaft shim, 0.005 and 0.010 in. thick
T53	Gasket and shim repair kit



## Driven Shaft, Separable Impeller Shaft CM & CS Pump Series Combination Pump

REF. NO.	DESCRIPTION
T31	Hex hd screw, 3/8-16 x 1-1/4 in.
T33	Lockwasher, 3/8 in.
T35	Driven shaft spacer
T36	Driven shaft
T37	Ball bearing, single row
T38	Bearing lock washer
T39	Bearing lock nut
T40	Square key, 5/16 x 5/16 x 2-5/16 in.

REF. NO.	DESCRIPTION
T41	Sealing boot
T42	O-ring, 2-7/8 x 3-1/8 in.
T44	Oil seal housing
T45	Oil seal, 1-7/8 x 2-5/8 in.
T50	Driven shaft shim, 0.005 and 0.010 in. thick
T53	Gasket and shim repair kit
T57	Oil seal, 1-5/8 x 2-5/8 in.
T58	Oil seal sleeve



\* INDICATES COMPONENTS OF KIT

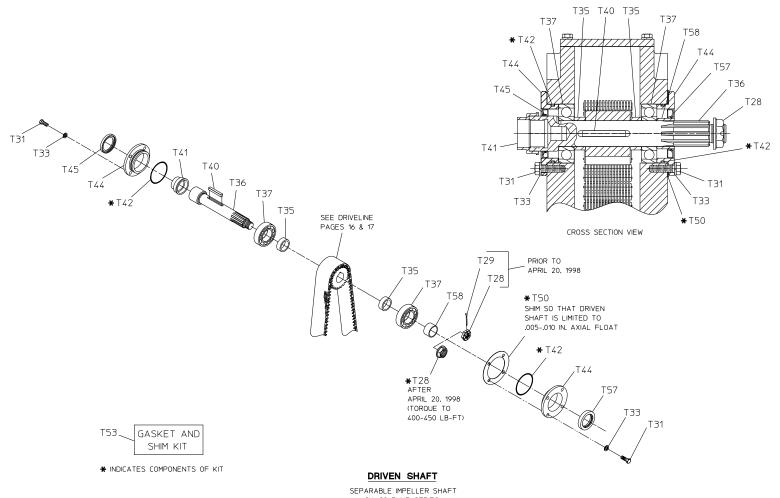
#### DRIVEN SHAFT

SEPARABLE IMPELLER SHAFT CM, CS PUMP SERIES COMBINATION PUMP PA TRANSMISSION ASSEMBLY SPL82026 WATEROUS COMPANY SOUTH ST. PAUL, MN 55075 PAGE 5 OF 21

### Driven Shaft, Separable Impeller Shaft CM & CS Pump Series with 1-3/8-10 SAE Spline

REF. NO.	DESCRIPTION
T28	Shaft nut
T29	Cotter pin, 1/8 x 1-3/4 in.
T31	Hex hd screw, 3/8-16 x 1-1/4 in.
T33	Lockwasher, 3/8 in.
T35	Driven shaft spacer
T36	Driven shaft
T37	Ball bearing, single row
T40	Square key, 5/16 x 5/16 x 2-5/16 in.

REF. NO.	DESCRIPTION
T41	Sealing boot
T42	O-ring, 2-7/8 x 3-1/8 in.
T44	Oil seal housing
T45	Oil seal, 1-7/8 x 2-5/8 in.
T50	Driven shaft shim, 0.005 and 0.010 in. thick
T53	Gasket and shim repair kit
T57	Oil seal, 1-5/8 x 2-5/8 in.
T58	Oil seal sleeve

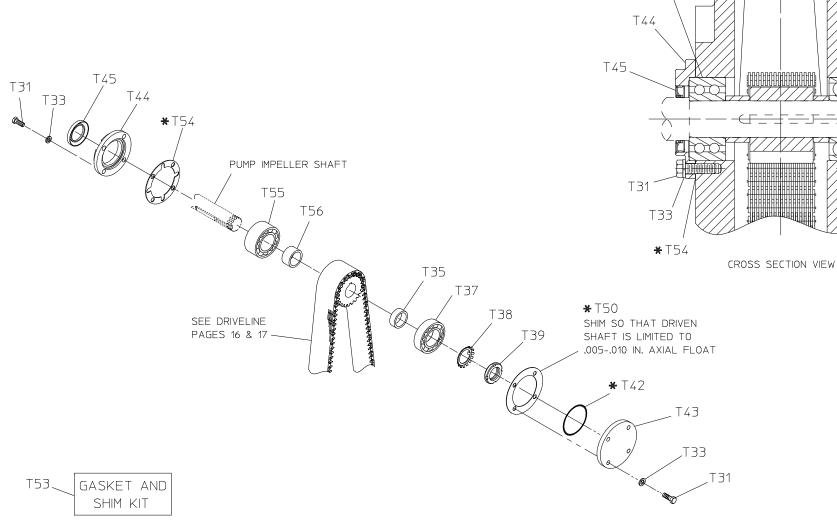


SEPARABLE IMPELLER SHAFT CM. CS PUMP SERIES SHAFT WITH 1-3/8-10 SAE SPLINE

# Driven Shaft, Non-Separable Impeller Shaft CG, CL & CX Pump Series

REF. NO.	DESCRIPTION
T31	Hex hd screw, 3/8-16 x 1-1/4 in.
T33	Lockwasher, 3/8 in.
T35	Driven shaft spacer
T37	Ball bearing, single row
T38	Bearing lock washer
T39	Bearing lock nut

REF. NO.	DESCRIPTION
T42	O-ring, 2-7/8 x 3-1/8 in.
T43	Oil seal housing
T44	Oil seal housing
T45	Oil seal, 1-5/8 x 2-1/2 in.
T50	Driven shaft shim, 0.005 and 0.010 in. thick
T53	Gasket and shim repair kit
T54	Gasket
T55	Ball bearing, double row
T56	Driven shaft spacer



\* INDICATES COMPONENTS OF KIT

#### DRIVEN SHAFT

NON-SEPARABLE IMPELLER SHAFT CG, CL, CX PUMP SERIES

PA TRANSMISSION ASSEMBLY SPL82026 WATEROUS COMPANY SOUTH ST. PAUL, MN 55075 PAGE 9 OF 21

T56

T55

T35

T37

T38

T39

T43

**\*** T42

T31

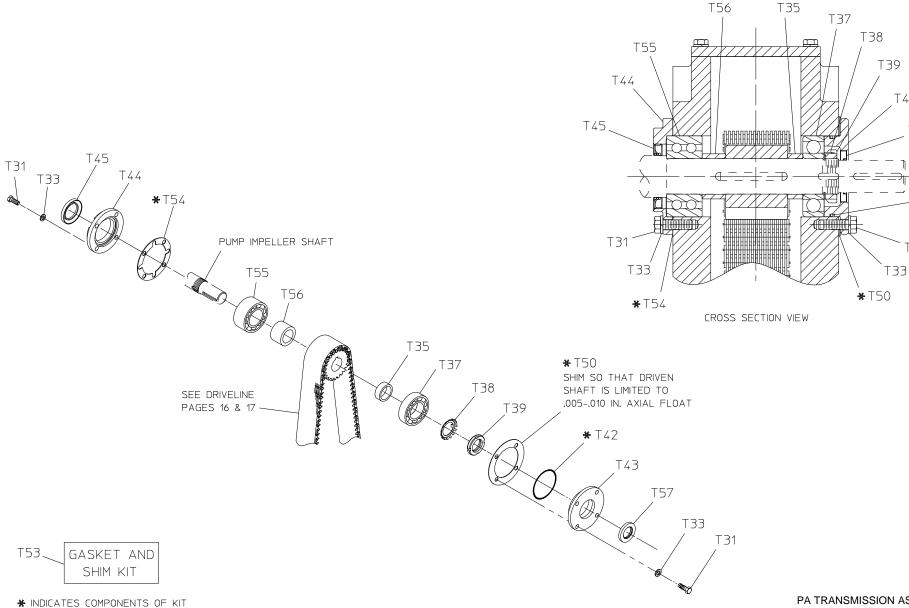
T33

**\***T50

### Driven Shaft, Non-Separable Impeller Shaft CX Pump Series with Keyed Shaft (Compressor Drive)

REF. NO.	DESCRIPTION
T31	Hex hd screw, 3/8-16 x 1-1/4 in.
T33	Lockwasher, 3/8 in.
T35	Driven shaft spacer
T36	Driven shaft
T37	Ball bearing, single row
T38	Bearing lock washer
T39	Bearing lock nut

REF. NO.	DESCRIPTION
T42	O-ring, 2-7/8 x 3-1/8 in.
T43	Oil seal housing
T44	Oil seal housing
T45	Oil seal, 1-5/8 x 2-1/2 in.
T50	Driven shaft shim, 0.005 and 0.010 in. thick
T53	Gasket and shim repair kit
T54	Gasket
T55	Ball bearing, double row
T56	Driven shaft spacer
T57	Oil seal, 1-1/4 x 2 in.



#### DRIVEN SHAFT

NON-SEPARABLE IMPELLER SHAFT CX PUMP SERIES SHAFT WITH KEY (COMPRESSOR DRIVE) PA TRANSMISSION ASSEMBLY SPL82026 WATEROUS COMPANY SOUTH ST. PAUL, MN 55075 PAGE 11 OF 21

T43

T57

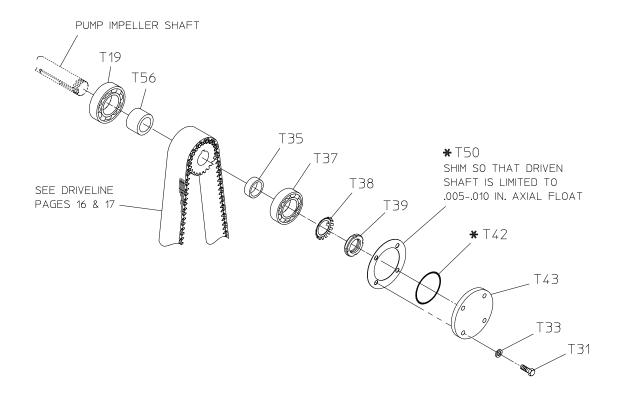
T31

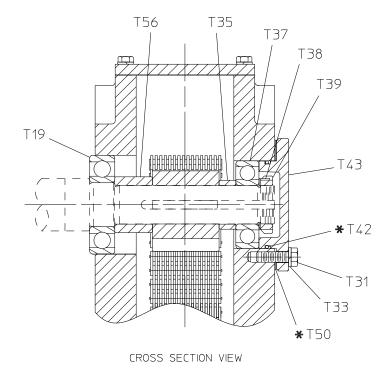
**\***T42

# Driven Shaft, Non-Separable Impeller Shaft S100 Pump Series

REF. NO.	DESCRIPTION
T19	Ball bearing, single row
T31	Hex hd screw, 3/8-16 x 1-1/4 in.
T33	Lockwasher, 3/8 in.
T35	Driven shaft spacer
T37	Ball bearing, single row
T38	Bearing lock washer
T39	Bearing lock nut

REF. NO.	DESCRIPTION
T42	O-ring, 2-7/8 x 3-1/8 in.
T43	Oil seal housing
T50	Driven shaft shim, 0.005 and 0.010 in. thick
T53	Gasket and shim repair kit
T56	Driven shaft spacer





T53 GASKET AND SHIM KIT

\* INDICATES COMPONENTS OF KIT

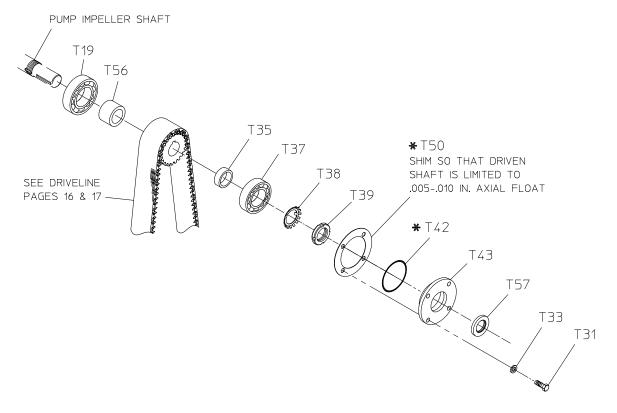
#### DRIVEN SHAFT

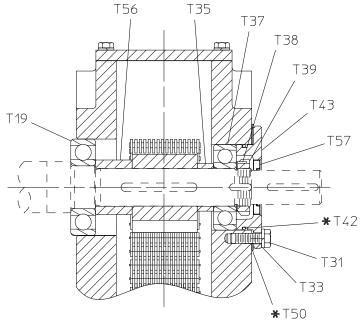
NON-SEPARABLE IMPELLER SHAFT S100 PUMP SERIES PA TRANSMISSION ASSEMBLY SPL82026 WATEROUS COMPANY SOUTH ST. PAUL, MN 55075 PAGE 13 OF 21

### Driven Shaft, Non-Separable Impeller Shaft S100 Pump Series with Keyed Shaft (Compressor Drive)

REF. NO.	DESCRIPTION
T19	Ball bearing, single row
T31	Hex hd screw, 3/8-16 x 1-1/4 in.
T33	Lockwasher, 3/8 in.
T35	Driven shaft spacer
T37	Ball bearing, single row
T38	Bearing lock washer
T39	Bearing lock nut

REF. NO.	DESCRIPTION
T42	O-ring, 2-7/8 x 3-1/8 in.
T43	Oil seal housing
T50	Driven shaft shim, 0.005 and 0.010 in. thick
T53	Gasket and shim repair kit
T56	Driven shaft spacer
T57	Oil seal, 1-1/4 x 2 in.





CROSS SECTION VIEW



\* INDICATES COMPONENTS OF KIT

#### DRIVEN SHAFT

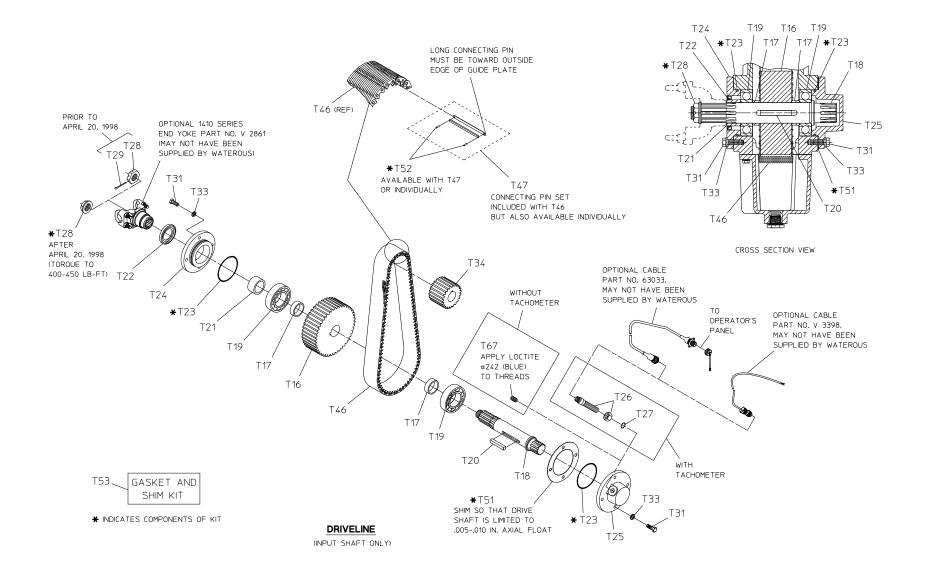
NON-SEPARABLE IMPELLER SHAFT
S100 PUMP SERIES
SHAFT WITH KEY (COMPRESSOR DRIVE)

PA TRANSMISSION ASSEMBLY SPL82026 WATEROUS COMPANY SOUTH ST. PAUL, MN 55075 PAGE 15 OF 21

### Driveline (Input Shaft Only)

REF. NO.	DESCRIPTION
T16	Drive sprocket
T17	Drive shaft spacer
T18	Drive shaft
T19	Ball bearing, single row
T20	Square key, 3/8 x 3/8 x 2-1/4 in.
T21	Oil seal sleeve
T22	Oil seal, 2 x 2-5/8 in.
T23	O-ring, 3-1/4 x 3-1/2 in.
T24	Oil seal housing
T25	Tachometer housing
T26	Magnetic pick-up
T27	O-ring, 5/8 x 3/4 in.
T28	Shaft nut

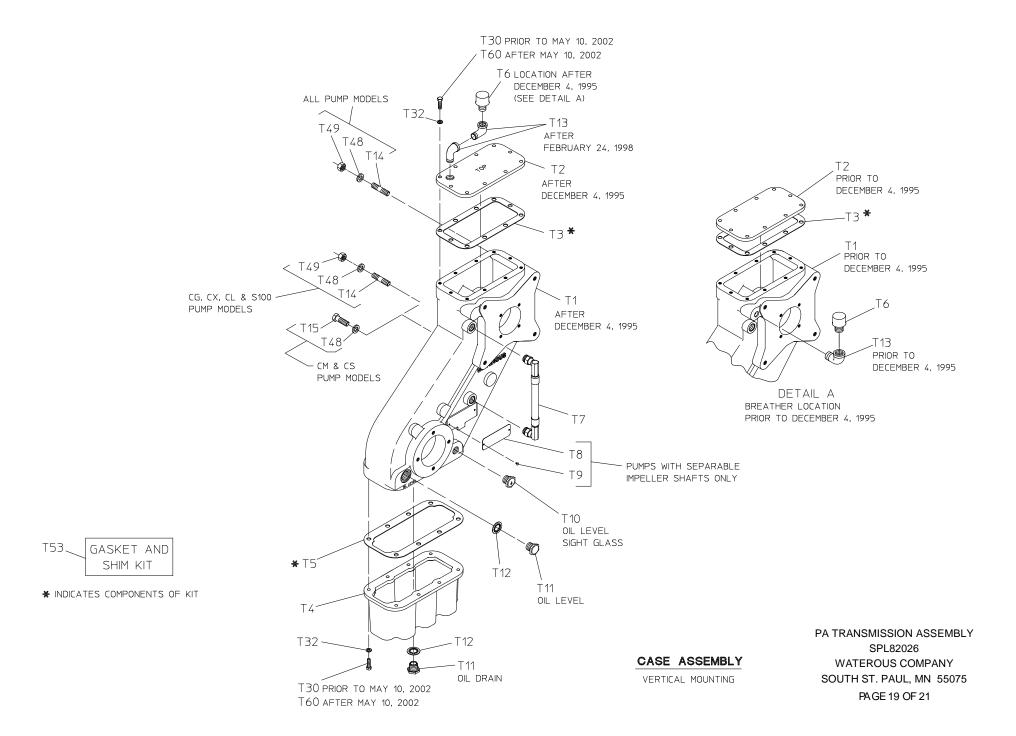
REF. NO.	DESCRIPTION
T29	Cotter pin, 1/8 x 1-3/4 in.
T31	Hex hd screw, 3/8-16 x 1-1/4 in.
T33	Lockwasher, 3/8 in.
T34	Driven sprocket
T46	Drive chain
T47	Connecting pin set
T51	Drive shaft shim, 0.005 and 0.010 in. thick
T52	Spirol pin, heavy, 1/16 in.
T53	Gasket and shim repair kit
T67	Hex socket set screw, 5/8-18 x 5/8 in.



# Case Assembly Vertical Mounting

REF. NO.	DESCRIPTION
T1	Chain case assembly
T2	Top cover
T3	Top gasket
T4	Case bottom assembly
T5	Bottom gasket
T6	Breather, 1/2 NPT
T7	Hose assembly
T8	Serial plate
Т9	Rnd hd drive screw, no. 6 x 1/4 in.
T10	Sight plug
T11	Drain plug
T12	Plug seal
T13	Elbow, 90°, 1/2 in.
T14	Stud, 1/2-13 x 1/2-13 x 2-1/4 in.
T15	Screw, 1/2-13 x 1-1/2 in.

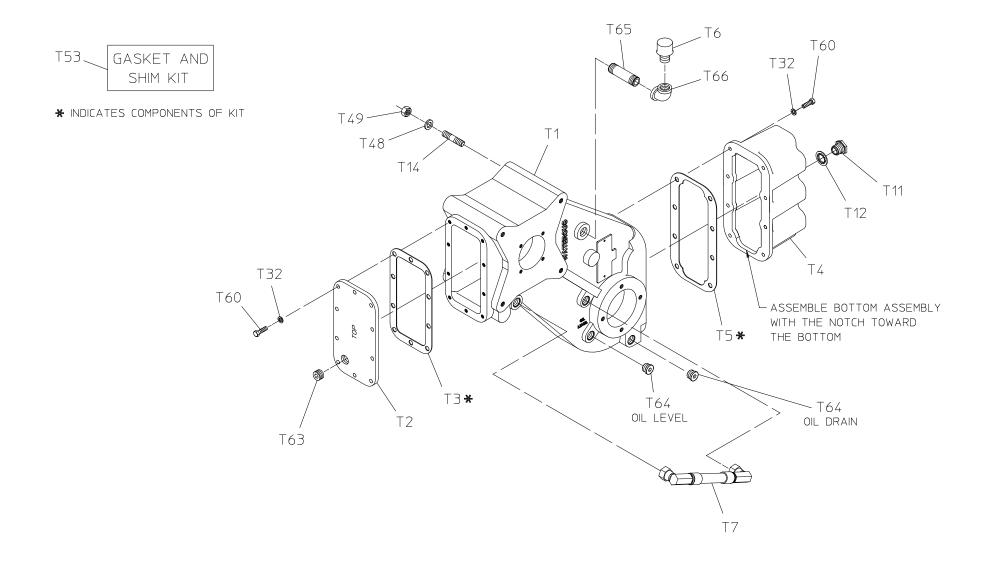
REF. NO.	DESCRIPTION
T30	Hex hd screw, 5/16-18 x 1 in.
T32	Lockwasher, 5/16 in.
T48	Lock washer, 1/2 in.
T49	Hex nut, 1/2-13
T53	Gasket and shim repair kit
T60	Hex hd screw, 5/16-18 x 7/8 in.



# Case Assembly Horizontal Mounting

REF. NO.	DESCRIPTION
T1	Chain case assembly
T2	Top cover
Т3	Top gasket
T4	Case bottom assembly
T5	Bottom gasket
T6	Breather, 1/2 NPT
T7	Hose assembly
T11	Drain plug
T12	Plug seal
T14	Stud, 1/2-13 x 1/2-13 x 2-1/4 in.

REF. NO.	DESCRIPTION
T32	Lockwasher, 5/16 in.
T48	Lock washer, 1/2 in.
T49	Hex nut, 1/2-13
T53	Gasket and shim repair kit
T60	Hex hd screw, 5/16-18 x 7/8 in.
T63	Headless pipe plug, 1/2 NPT
T64	Headless plug, 3/4-16 (magnetic)
T65	Pipe nipple, 1/2 x 3 in.
T66	Standard elbow, 90°, 1/2 in.



CASE ASSEMBLY

HORIZONTAL MOUNTING

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