#### Y SERIES TRANSMISSION WITH AIR DRIVE CLUTCH MOUNTING PROVISION ON REAR

REF NO.	DESCRIPTION	REF NO.	DESCRIPTION
T1	Ball bearing	T28	Chain case assembly (Supplied as assembly only
T2	Spacer, coupling shaft		consisting of mid section and bottom section)
Т3	Ball bearing, drive shaft pilot	T29	Bearing spacer, driven shaft
T4	Shift collar	T30	Shim, bearing housing, 0.005 (blue) and 0.010 (brown)
T5	Drive sprocket		in. thick
T6	Needle bearing	T37	Pivot pin, 5/8 x 2–3/4 in.
T7	Thrust washer	T38	Locking arm assembly
T8	Hex hd screw, 3/8–16 x 1–1/4 in.	T39	O–ring, 1/4 x 3/8 in.
Т9	Lock washer, 3/8 in.	T40	Shifter shoe
T10	Drive gear or pulse generator, tachometer	T41	Shim, coupling shaft housing, 0.005 (blue), 0.007
T11	Drive shaft housing subassembly		(natural), and 0.010 (brown) in. thick.
T12	Cotter pin, SS, 1/8 x 1–3/4 in.	T42	Coupling shaft housing
T13	Drive shaft	T43	Shaft nut
T14	Oil seal sleeve	T44	Coupling shaft
T15	Ball bearing, drive shaft	T45	Oil seal, 2–3/4 x 3–1/2 in.
T17	Drive shaft housing gasket	T46	Shift shaft
T18	Drive chain	T47	Sector gear
T19	Oil seal, 1–7/8 x 2–3/4 in.	T48	Gear sector spacer
T23	Oil seal housing	T49	O–ring, 7/8 x 1 in.
T24	Oil seal housing gasket	T50	Bearing sleeve
T25	Ball bearing, driven shaft	T51	Spirol pin, SS, 5/16 x 1–3/8 in.
T26	Driven sprocket	T53	Lock washer, 1/2 in.
T27	Breather, 1/2 NPT	T54	Spirol pin, heavy duty, 3/8 x 1–3/4 in. (prior to 9/25/98 on pneumatic shift, prior to 12/20/02 on manual or electric shift.)

#### PLEASE NOTE

WHEN ORDERING PARTS PLEASE SUPPLY PUMP SERIAL NUMBER

# WATEROUS

SOUTH ST. PAUL, MINNESOTA

## Y SERIES TRANSMISSION WITH AIR DRIVE CLUTCH MOUNTING PROVISION ON REAR

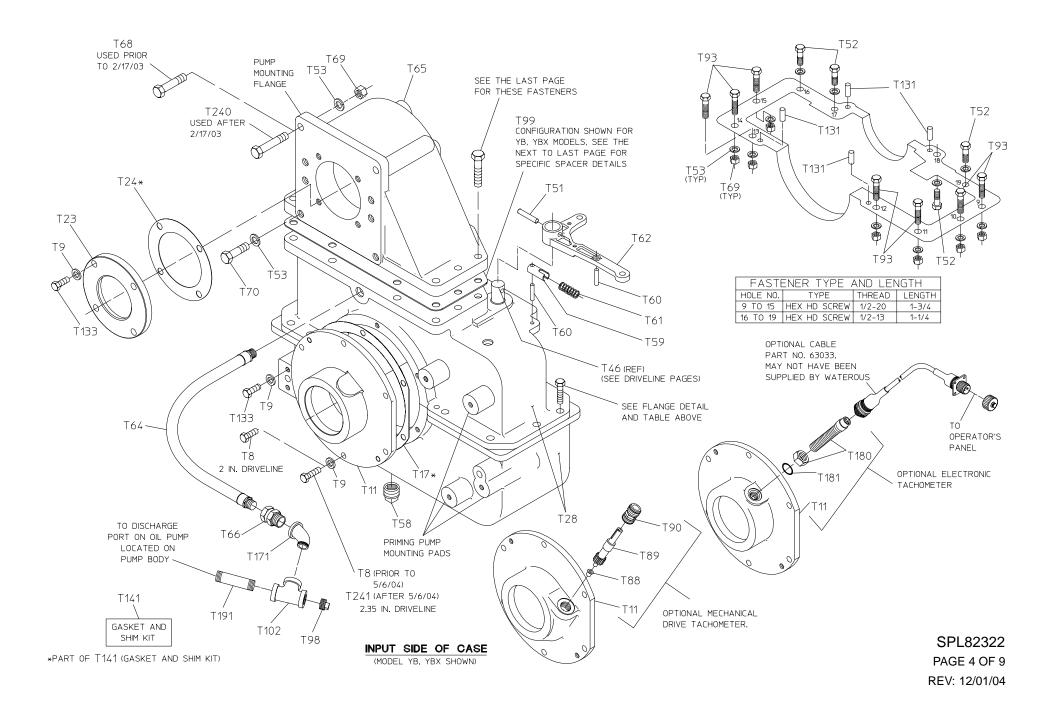
REF NO.	DESCRIPTION	REF NO.	DESCRIPTION
T55	Shift cover	T85	Drain pipe
T56	Shift cover gasket	T86	Adjusting screw
T57	Street elbow, 90°, 1/2 in. NPT	T87	Adjusting screw retainer
T58	Magnetic drain plug, 3/4 in. NPT	T88	Driven gear bushing, tachometer
T59	Spring housing, shift arm	T89	Driven gear, tachometer
T60	Spirol pin, SS, 1/4 x 1–1/4 in.	T90	Driven gear sleeve, tachometer
T61	Shift arm spring	T93	Hex hd screw, 1/2–20 x 1–3/4 in.
T62	Shift arm	T94	Washer, plain, 1–1/4 in.
T64	Hose, oil pump to spray tube	T95	Bearing spacer, driven shaft
T65	Chain case cap	T98	Sq hd pipe plug, 1/2 in. NPT, steel
T66	Straight adapter union, 1/2 in.	T99	Spacer, cap
T67	Hose, sump to oil pump	T100	Spacer, cap (YC, YD, YE & YF)
T68	Hex hd screw, 1/2–20 x 2–1/4	T102	Tee, pipe, 1/2 in. NPT
T69	Hex nut, 1/2–20	T103	Pin, dowel, 1/2 x 1–1/2 in. (YB) or 3 in. (YC)
T70	Hex hd screw, 1/2–13 x 1–1/2 in.	T104	Spacer, tachometer gear
T72	Hex hd screw, 1/2–13 x 1 in., Grade 5 (with thread sealant)	T105	Ring, retaining (chain repairs)
T73	Sq hd pipe plug, 3/4 in. NPT	T108	Spirol pin, heavy duty, 1/16 x 1/4
T75	Shifter shoe (included with fork T80)	T109	Stud, 1/2-13 x 1/2-20 4-1/4 in. (YC only) or
	Available individually for repairs		5–1/4 in. (YD)
T76	Shifter shoe stud (included with fork T80)	T110	Stud, 1/2–20 x 1/2–20, 4–3/4 (YC only) or
	Available individually for repairs		6, 6–1/4 in (YD)
T80	Shift fork (supplied with shifter shoe T75 and	T112	Lower shift shaft bushing
	shifter shoe studs T76)	T131	Pin, dowel, 3/8 x 1 in. (part of T28)
T83	Connecting set pin	T132	Oil strainer

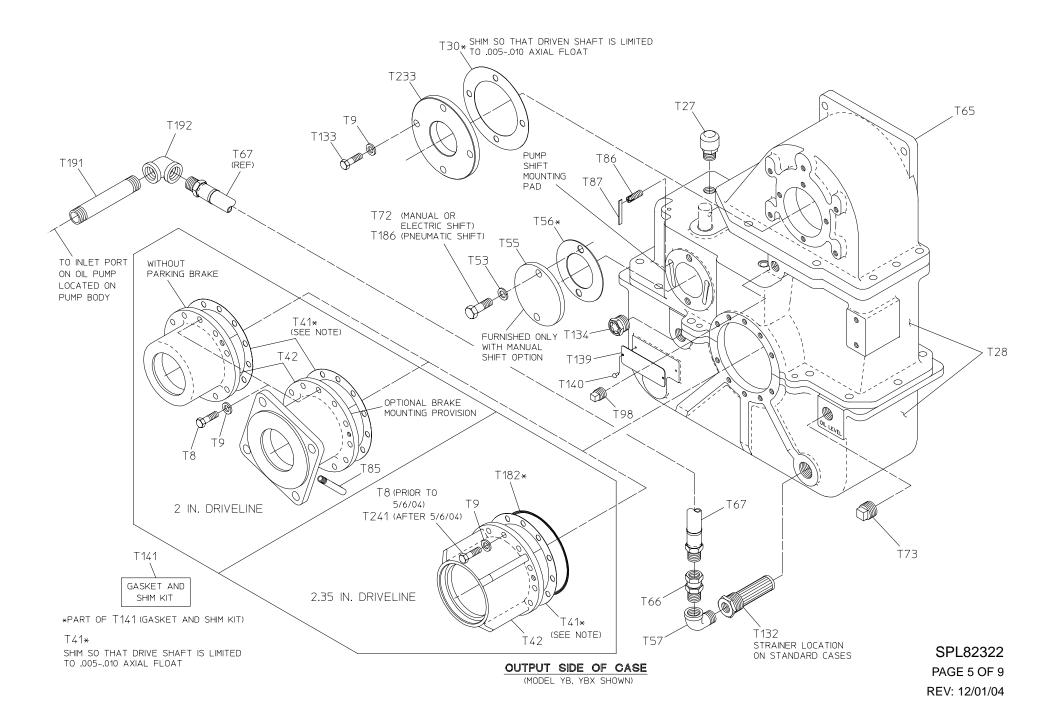
# WATEROUS

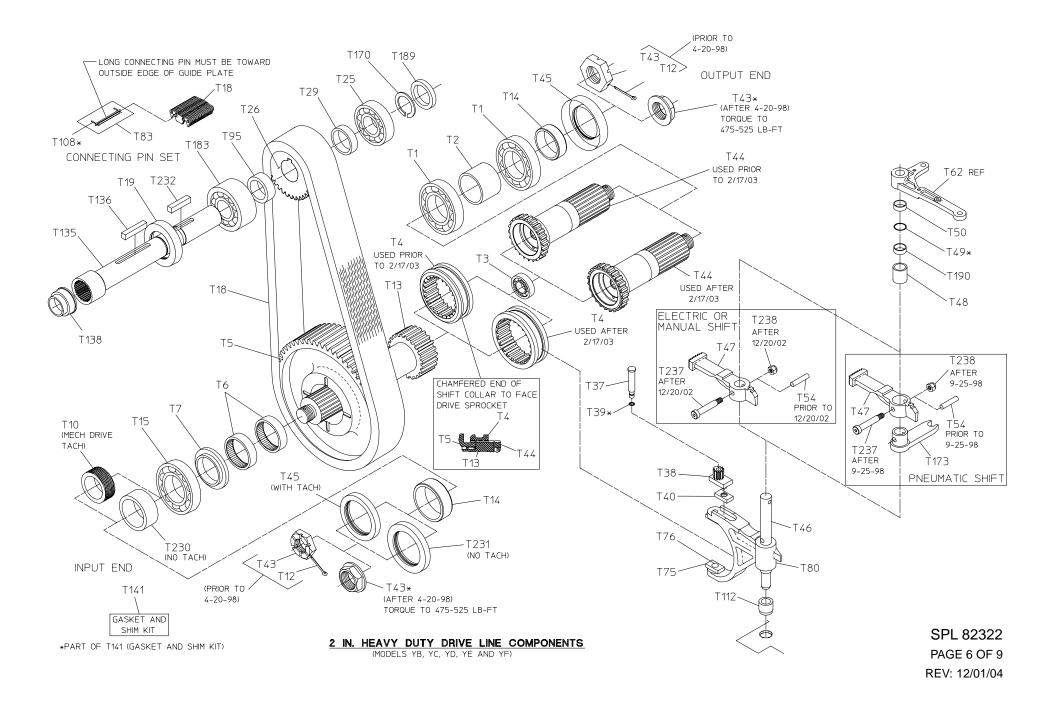
SOUTH ST. PAUL, MINNESOTA

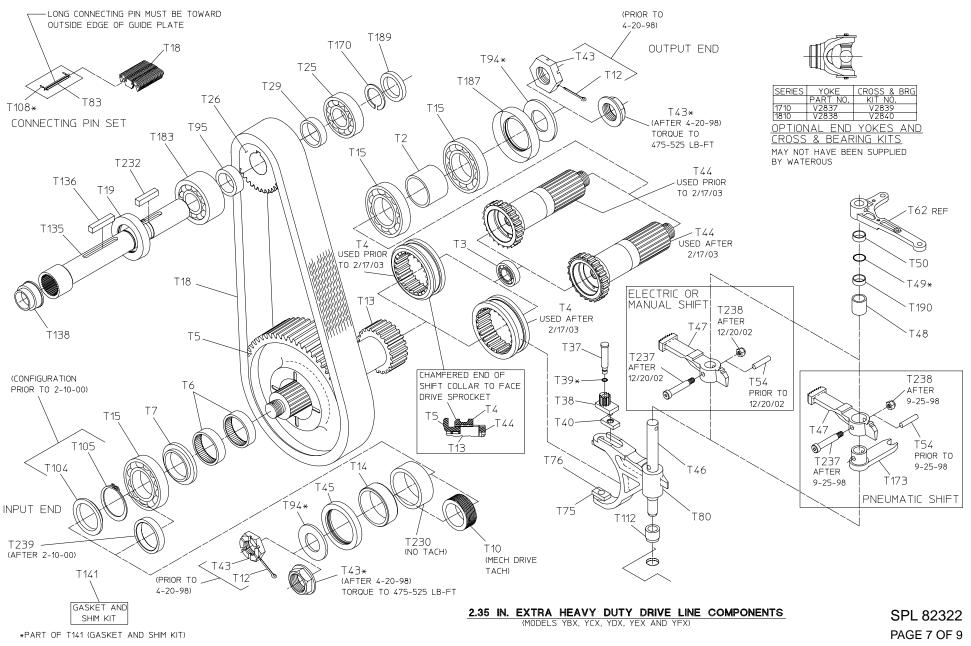
### Y SERIES TRANSMISSION WITH AIR DRIVE CLUTCH MOUNTING PROVISION ON REAR

REF NO.	DESCRIPTION	REF NO.	DESCRIPTION
T133	Hex hd screw, 3/8–16 x 1 in.	T186	Hex hd screw, 1/2–13 x 1–1/4 in., Grade 5
T134	Sight plug		(with thread sealant)
T135	Shaft, driven	T187	Oil seal, 3–1/2 x 4–3/8 in.
T136	Square key, 5/16 x 2–5/16 in.	T189	Seal, 1–3/8 x 2 in.
T138	V-ring flinger (used prior to 8/26/93)	T190	Bearing sleeve
	Sealing boot (used after 8/26/93)	T191	Stud, 1/2–20 x 1/2–20 x 2–3/4 in. (YD)
T139	Serial plate	T192	Elbow, 1/2 in., 90°
T140	Rd hd drive screw, No. 6 x 1/4 in.	T230	Drive shaft spacer
T141	Gasket and shim kit, consists of: T56, T24, T41, T30,	T231	Oil seal, 2–1/2 in. x 3–1/2 in.
	T96, T17, T94 & T43	T232	Key, 5/16 in. x 1–3/4 in.
T170	Retaining ring	T233	Oil seal housing
T171	45° street elbow, 1/2 in. NPT	T237	Shoulder screw, 3/8 x 1–3/4 in. (after 9/25/98 on
T173	Actuating shift lever		pneumatic shift, after 12/20/02 on manual or electric shift.)
T174	Hex hd screw, 1/2–13 x 1–3/4 in. (YB)	T238	Lock nut, 5/16–18 in. (after 9/25/98 on pneumatic shift,
T180	Magnetic pickup		after 12/20/02 on manual or electric shift.)
T181	O-ring, 5/8 x 3/4 in.	T239	Spacer, tachometer
T182	O-ring, 4-3/4 x 5 in.	T240	Hex hd screw, 1/2–20 x 2–1/2 in.
T183	Ball bearing, double row	T241	Hex hd screw with thread sealant, $3/8-16 \times 1-1/2$ in.

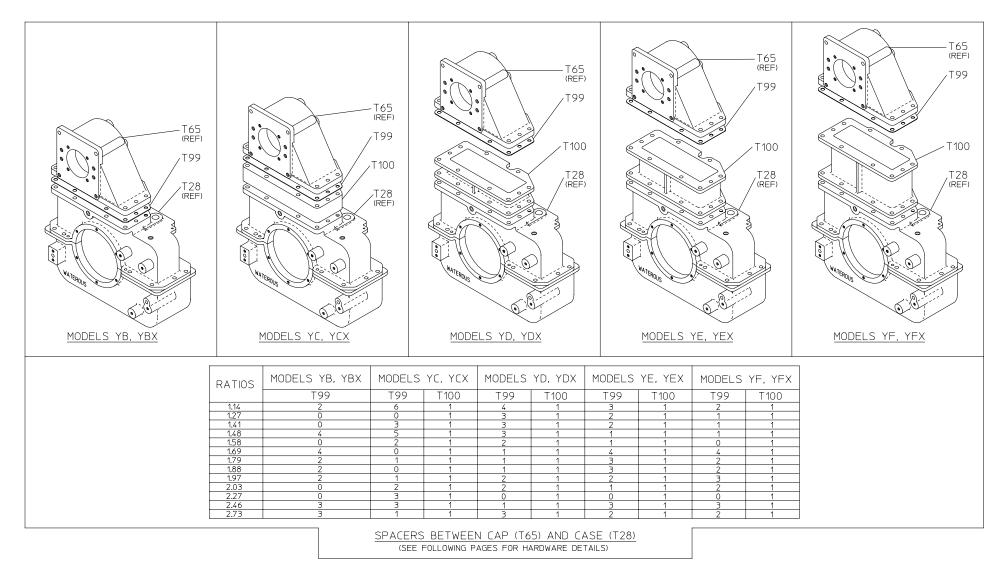




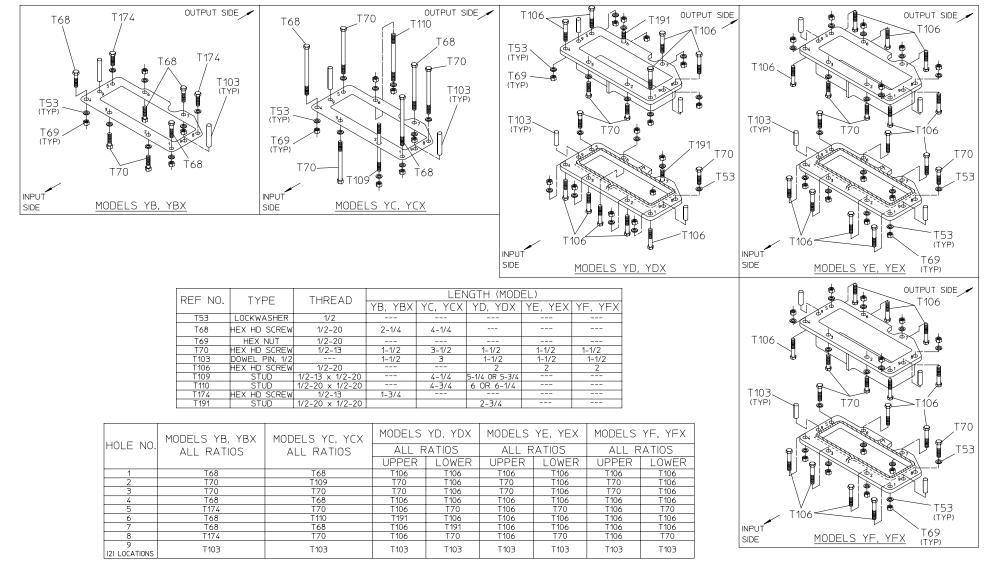




REV: 12/01/04



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FLANGE HARDWARE BETWEEN CAP (T65) AND CASE (T28)

#### SPL 82322 PAGE 9 OF 9 REV: 12/01/04