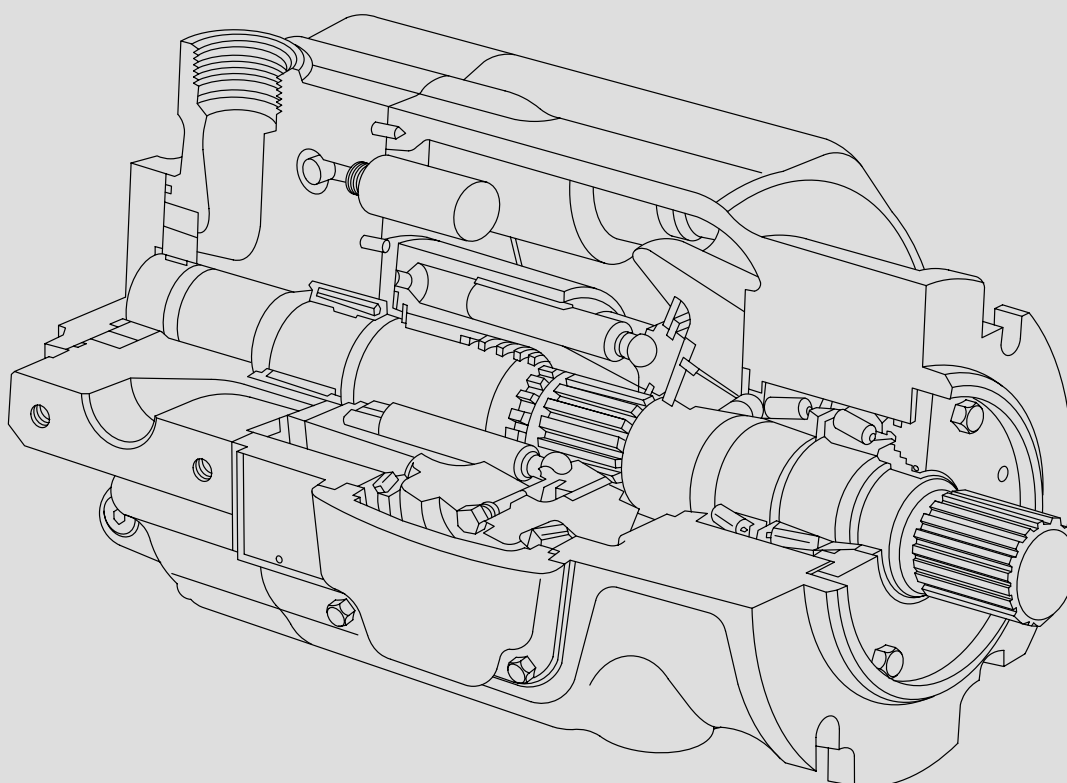


Transmission Pump

TA35-***-****-11(L)



▲ Included in 923586
Seal Kit

◇ Included in 923822
Shaft Seal Kit

■ Included in Valve
Block Kit 923618

● Included in 923588
Rotating Group Kit

* Bond in place with Loctite
271 or equivalent. Torque
to 65-70 lb. ft.

** Bond in place with Loctite
217 or equivalent. Torque
to 30-35 lb. ft.

383691 Charge Relief
Valve Assembly

▲ 154129
O-Ring
* Body
Poppet
Shim
Spring
Spring Guide
Snap Ring

● 923587 Piston Kit (9 Pistons)
● 374935 Space Limiter
● 374936 Cage Shoe Retainer
● 395423 Swash Plate
154987 Pin (2 req'd)
351329 Roller
(2 req'd)
395422
Yoke

392059 Dowel
366831 Valve Plate
● 102038 Snap Ring
● 386976 Guide
● 382532 Spring
● 386975 Spring Spacer
● 374937 Cylinder
Block S/A

396806 Bias
Piston S/A
408396 Control
Piston S/A
▲ 200125
O-Ring
383692 Safety
Relief Valve Assy

■ 360765 Seat (2 req'd)
■ 1656 Ball (2 req'd)
■ 360764 Spring (2 req'd)
▲ ■ 154130 O-Ring (2 req'd)
** ■ 360763 Plug (2 req'd)

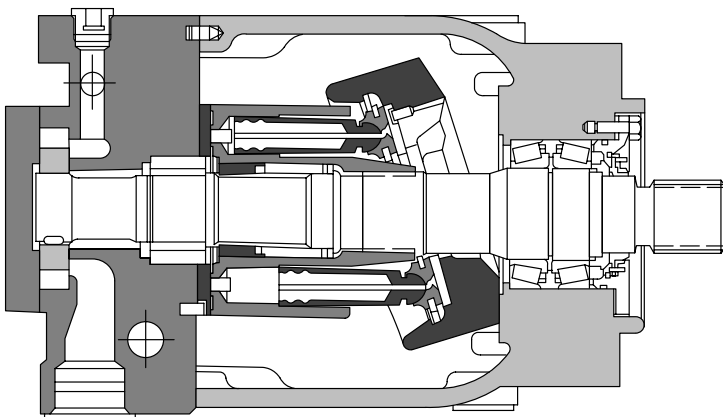
392059 Dowel (Press into
yoke until .116-.135 above
surface of yoke)

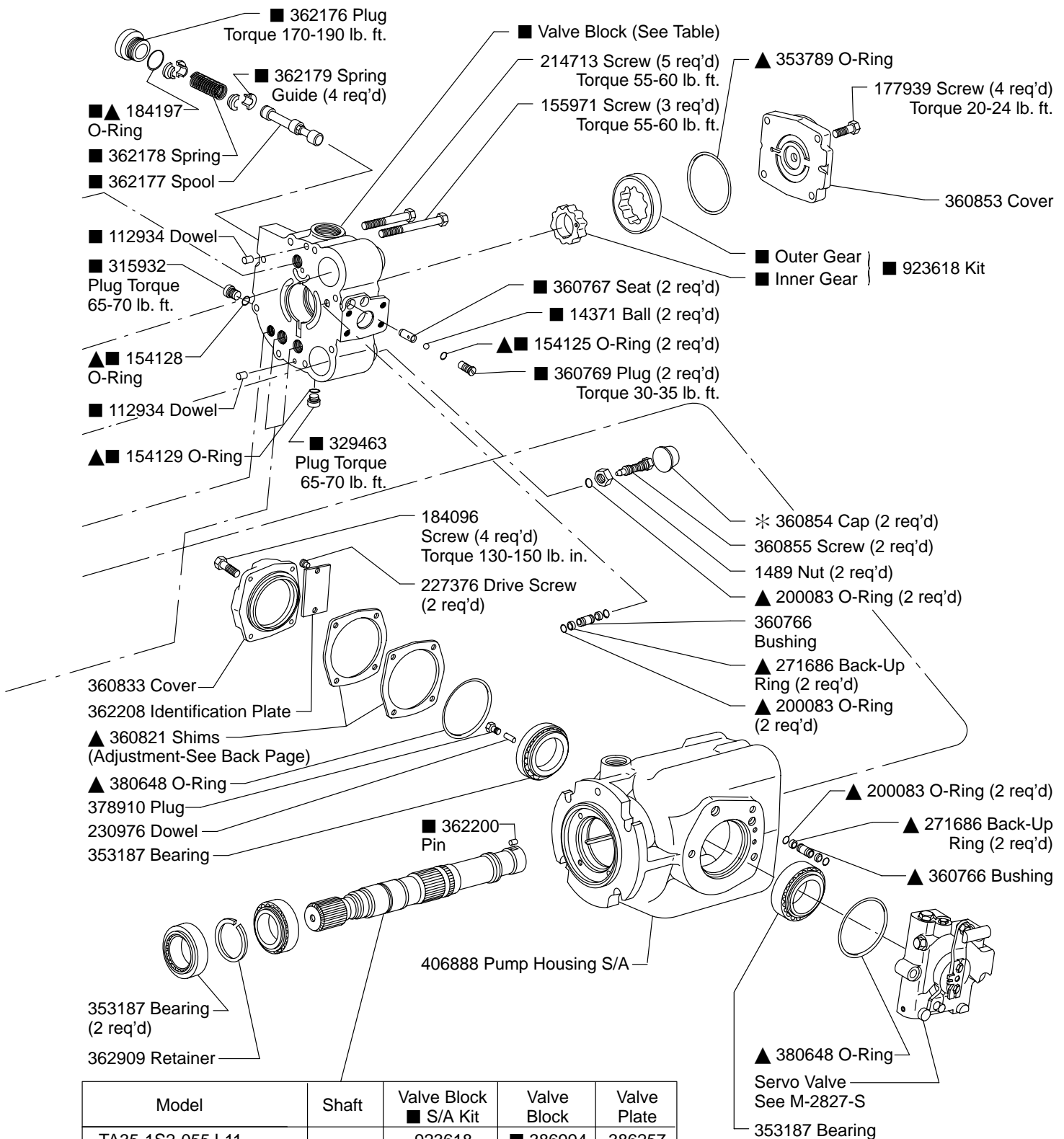
360847 Inner Race
309622 Bearing
193744 Snap Ring
▲ 362175 Gasket

Snap Ring
Spring Guide
Spring
Shim
Poppet
* Body
▲ 154128 O-Ring

◇ 360831 Retainer
214629 Screw (4 req'd)
Torque 60-70 lb. in.

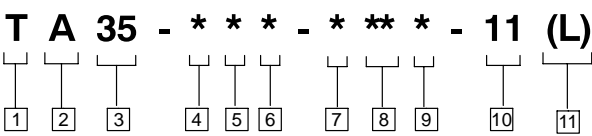
◇ ▲ 408392 O-Ring (Yellow)
◇ ▲ 360827 Rotating Seal
◇ 245521 Snap Ring
◇ 148640 Pin
◇ ▲ 360830
Stationary Seal
◇ 360828
Spring (6 req'd)
◇ ▲ 199819 O-Ring
◇ ▲ 294585 O-Ring
◇ ▲ 360822 Shim Set
(Adjust to .001-.004 end play)





Model	Shaft	Valve Block ■ S/A Kit	Valve Block	Valve Plate
TA35-1S2-055J-11	360829	923618	■ 386994	386257
TA35-1S1-S42J-11		—————	387094	366831
TA35-1S1-S42J-11L			383672	
TA35-1S1-S42J-11L-313				
TA35-11S1-S42J-11L-313	408388	—————	383672	366831
TA35-14S1-S38J-11L-315	578922			
TA35-15S2-D45J-11-316	586129	923618	■ 386994	386257
TA35-15S2-S45J-11L-317		—————	392002	366831

Model Code



1 Transmission Unit	6 Port Size	9 Charge Pump Displacement
2 Function	1 - 1 1/4" 4-bolt (6000 PSI)	J - 1.1 Cu. In. Revolution
A - Pump	2 - 1" 4-bolt (6000 PSI)	K -.75 Cu. In. Revolution
3 Frame Size Nominal Displacement (USGPM @ 1800 RPM)	3 - 1 1/2" 4-bolt (6000PSI)	10 Design
35 - 35 USGPM	7 Stroke Rate	11 Rotation Viewed From Shaft End
4 Shaft Extension	B - Intermediate	L - Left Hand
1 - Spline (23 teeth)	C - Intermediate	- Omitted Right Hand
5 - Spline (21 teeth)	8 Pressure Limiter	
7 - Spline (19 teeth)	38 - 3800 PSI (Rated)	
11 - Taper	42 - 4200 PSI (Rated)	
14 - Spline (14 teeth)	55 - 5500 PSI (Rated)	
15 - Spline (17 teeth)		
5 Mounting Flange		
S - SAE 4-bolt		
T - SAE 2-bolt		

Pintle Bearing Pre-load Adjustment Procedure

Lubricate and install bearings on both pintles with yoke inserted in housing.

Install bearing races over the bearings. Install servo valve subassembly to control side of housing and torque screws to 20-24 lb. ft. Position pintle cover without shims and o-ring.

Thread pintle cover screws hand tight, then torque pintle cover screws evenly until a force of 10-15 lb. is required to rotate the yoke. Force should be applied to one yoke roller along the centerline of the yoke stroking pistons. Rotate the yoke back and forth several times without hitting the yoke stops, while making measurements. A final measurement should be made with yoke at zero flow position (90° relationship with the shaft).

Measure the gap between pintle cover and casting face in two opposite corners. Average the readings by adding them together and dividing by two (2).

Install rotating group. Remove pintle cover and install dowel into slot of spacer limiter. Install o-ring and shims equal in thickness to the average of the measured gap, then install pintle cover bolts and torque to 130-150 lb. in.