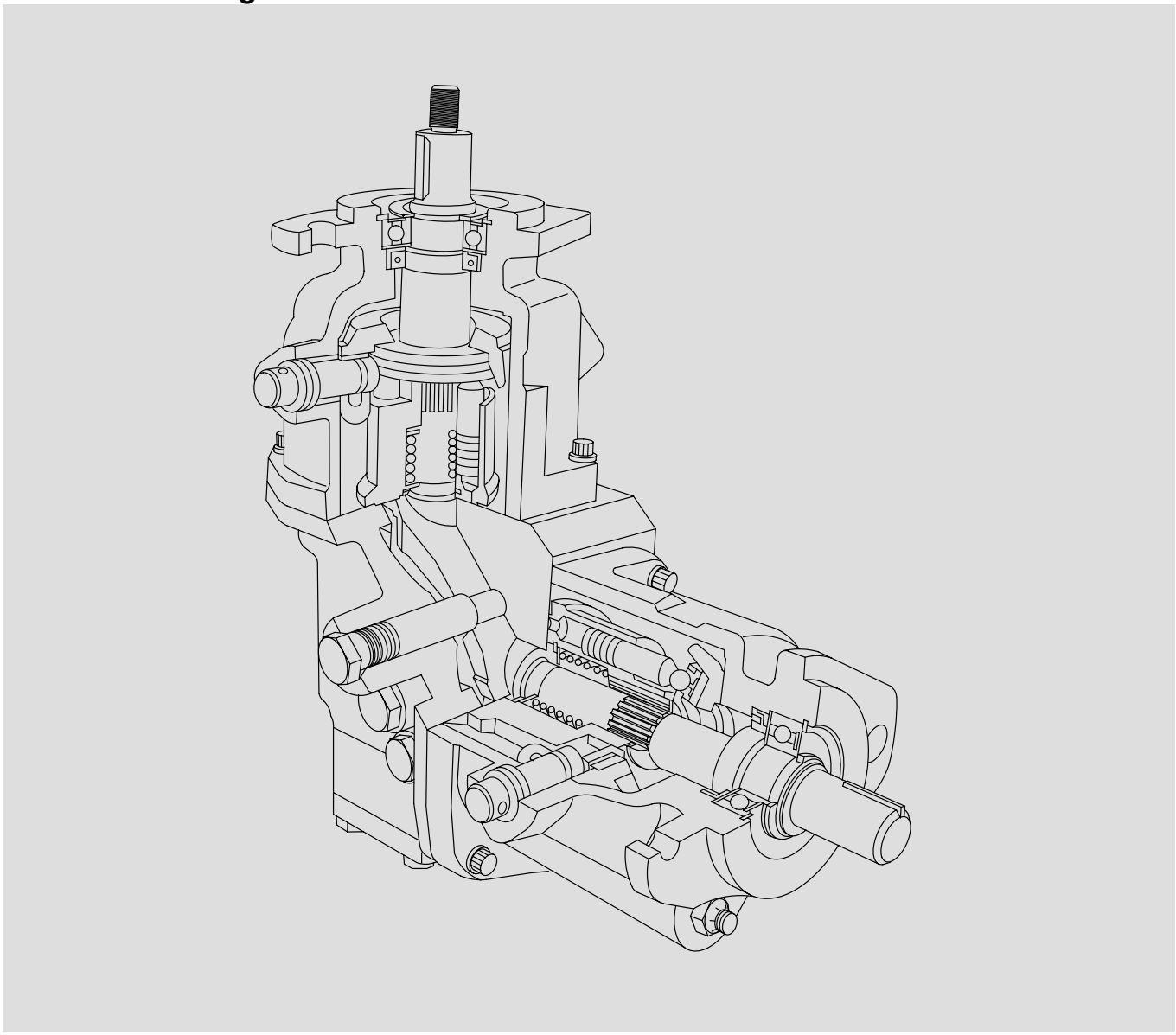
Service Data

Vickers®

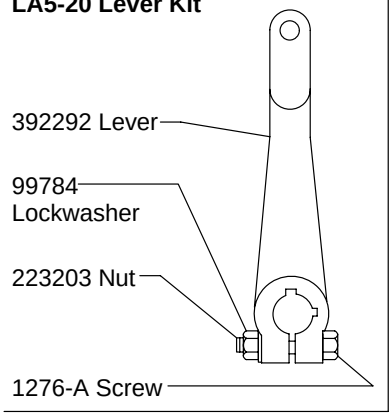
Transmissions

Transmission Package

T1515Y-21 Design



LA5-20 Lever Kit



Minimum Displ.	Yoke Angle	"A" Dim (See Assy. View)	Adj. Screw	Minimum Displ.	Yoke Angle	"A" Dim (See Assy. View)	Adj. Screw
M10	17.50°	2.778	584064	M18	9.73°	3.062	584063
M11	15.90°	2.837	361771	M19	9.22°	3.081	
M12	14.60°	2.884		M20	8.75°	3.097	
M13	13.50°	2.924		M21	8.34°	3.109	323974
M14	12.50°	2.961		M22	7.96°	3.120	
M15	11.66°	2.992	584063	M23	7.61°	3.130	
M16	10.93°	3.018		M24	7.30°	3.139	
M17	10.30°	3.041		M25	7.00°	3.148	

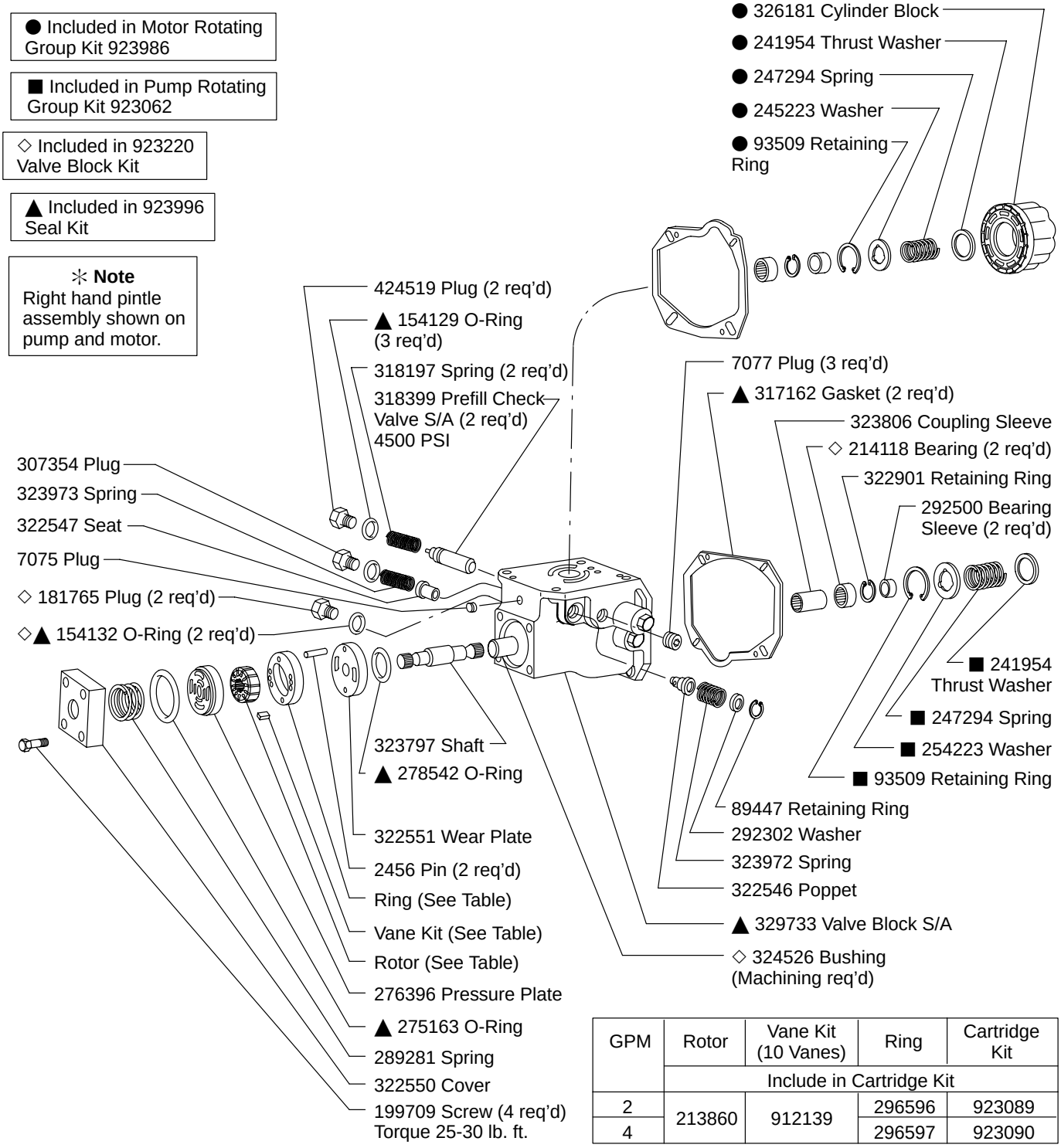
● Included in Motor Rotating Group Kit 923986

■ Included in Pump Rotating Group Kit 923062

◇ Included in 923220 Valve Block Kit

▲ Included in 923996 Seal Kit

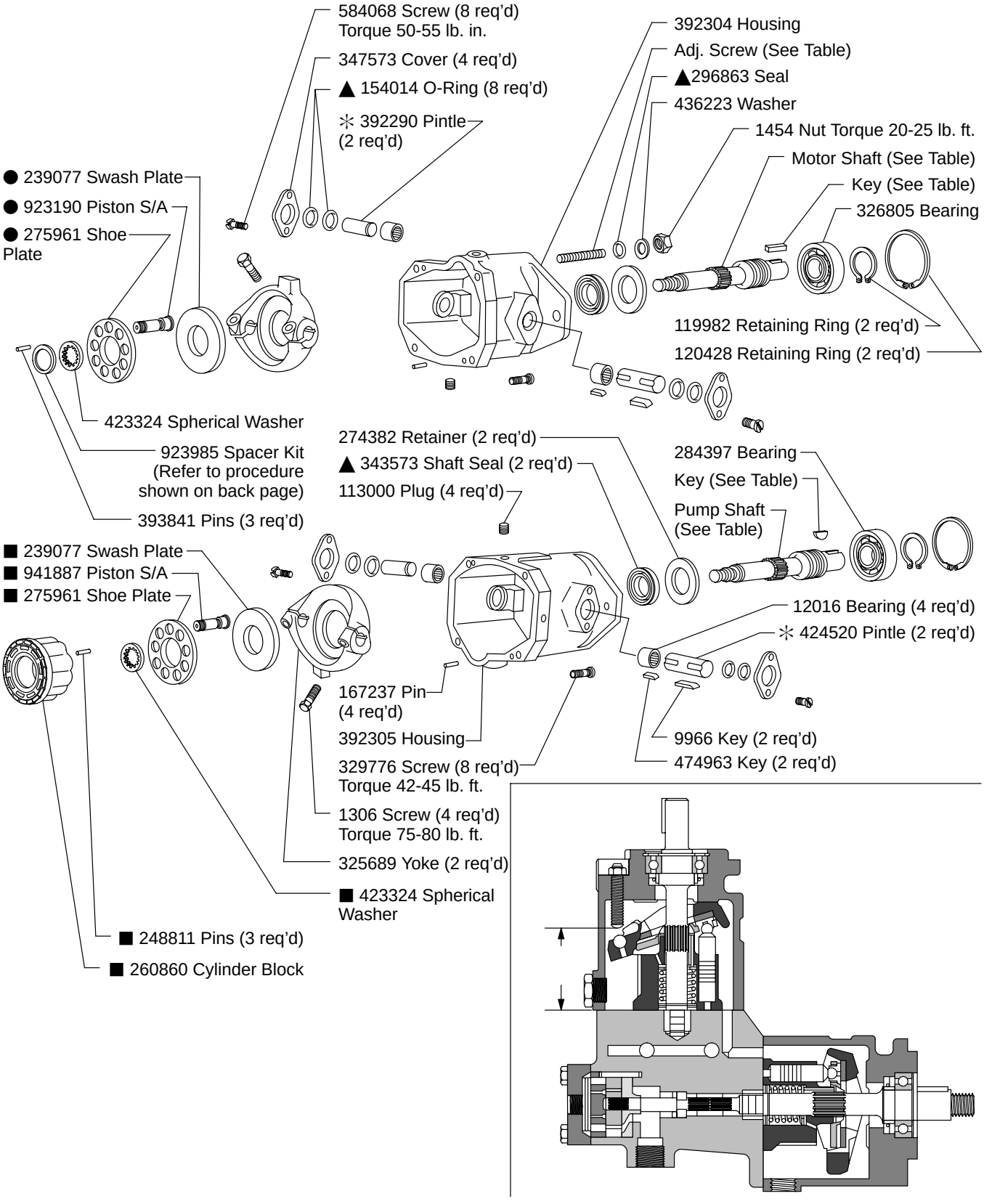
⁜ **Note**
Right hand pintle assembly shown on pump and motor.



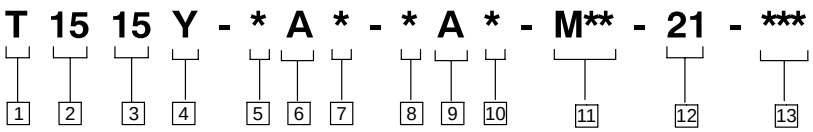
GPM	Rotor	Vane Kit (10 Vanes)	Ring	Cartridge Kit
	Include in Cartridge Kit			
2	213860	912139	296596	923089
4			296597	923090

Pump Shaft	Key	Model
343433	——	T1515Y-***1-21
339510	58303	T1515Y-***2-21
322552	1622	T1515Y-***3-21

Motor Shaft	Key	Model
312615	——	T1515Y-1**-**-21
317149	58303	T1515Y-2**-**-21
339509	1622	T1515Y-3**-**-21



Model Code



1 Transmission Unit Axial Piston Type

2 Piston Type Size

15 - 15 USGPM

3 Piston Motor Size

15 - 15 USGPM

4 Assembly Configuration

Y - Pump and motor at 90°

5 Shaft Type - Pump

1 - Splined
2 - Straight Keyed
3 - Woodruff Keyed

6 Pump Control Options

A - Single pintle (Lever affixed by customer)
B - Double pintles

7 Pump Control Location

L - Left hand
- - Omit for right hand

8 Shaft Type - Motor

1 - Splined
2 - Straight Keyed
3 - Woodruff Keyed

9 Motor Control Options

A - Single pintle (Lever affixed by customer)
B - Double pintles

10 Motor Control Location

L - Left hand
- - Omit for right hand

11 Minimum Displacement Designation For Variable Motors

Caution

Motor speed cannot exceed 4000 RPM or damage may result.

12 Design Number

13 Special Feature

Procedure to determine piston motor spacer thickness

1. Install the rotating group less pins and spacer over the shaft and into the housing. Allow the cylinder block to lay flush against the spherical washer.

2. Use a depth micrometer to measure the difference between the face of the motor housing and the face of the cylinder block. Be careful not to move the cylinder block during the measurements. Make at least four (4) measurements around the perimeter of the cylinder block. Average the readings by adding them together and dividing by four (4). Add 0.025 inch to this figure for the compressed thickness of the gasket.

3. Subtract 0.001 inch from the sum obtained in step 2. This will give the maximum spacer limit. Then subtract 0.021 inch from the sum to obtain the minimum spacer limit. The spacer required must fall between the two limits. Locate a spacer from the spacer kit that is between the two limits.

To insure sustained efficiency and maximum trouble-free life of this precision equipment, initial and continuous filtration of the fluid medium to 25 microns absolute or less is essential. For information pertaining to Eaton economical 3 or 10 micron filters, see installation drawing 522140.