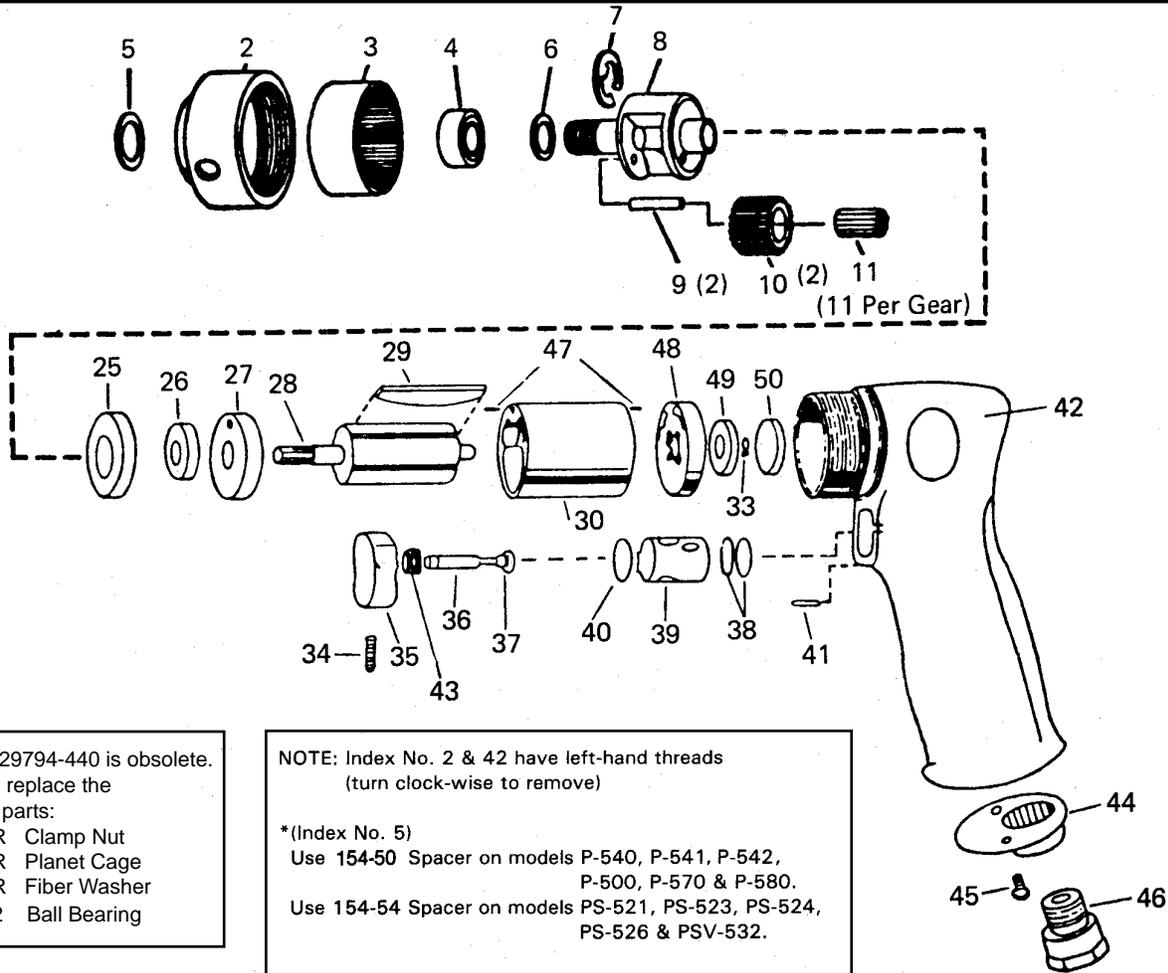




# PARTS LIST FOR PNEUMATIC POWER UNITS

253-38 (SERIAL NUMBER 2001 TO 9600)

253-57 (SERIAL NUMBER 9601 & HIGHER)



**\*\*Part #729794-440 is obsolete.**  
To repair, replace the following parts:  
729799-R Clamp Nut  
729794-R Planet Cage  
729797-R Fiber Washer  
49423-02 Ball Bearing

**NOTE: Index No. 2 & 42 have left-hand threads (turn clock-wise to remove)**

**\*(Index No. 5)**  
Use 154-50 Spacer on models P-540, P-541, P-542, P-500, P-570 & P-580.  
Use 154-54 Spacer on models PS-521, PS-523, PS-524, PS-526 & PSV-532.

INDEX NO.	PART NO.	DESCRIPTION	REQ'D TOOL	INDEX NO.	PART NO.	DESCRIPTION	REQ'D TOOL
2	729799-R	Clamp Nut (253-57)	1	29	729709	Rotor Blade	4
	729799-440	Clamp Nut (253-38)	1	30	729708	Cylinder	1
3	729798	Internal Gear	1	33	1012831	Retaining Ring	1
4	49423-02	Ball Bearing (253-57)	1	34	731928	Set Screw	1
	1008854	Ball Bearing (253-38)	1	35	731929	Trigger	1
5	154-*	Spacer	1	36	731926	Valve Stem	1
6	729797-R	Fiber Washer (253-57)	1	37	729591	O-ring	1
	729797	Fiber Washer (253-38)	1	38	729091	O-ring	2
7	729208	Ret. Ring (used only on 253-38)	1	39	731927	Valve Bushing	1
8	729794-R	Planet Cage (253-57)	1	40	729263	O-ring	1
	729794-440	Planet cage (253-38) obsolete**	1	41	731930	Pin	1
9	729796-440	Planet Pin	2	42	731923-440	Motor Housing	1
10	729795	Planet Gear (incl. 729808 Needle Rollers)	2	43	731925	Valve Spring	1
11	729808	Needle Rollers (see 729795 Planet Gear)	22	44	731922	Housing End Cap	1
25	1008212	Ball Bearing	1	45	731921	Screw	2
26	1001532	Ball Bearing	1	46	731920	Air Inlet	1
27	729793	Front Plate	1	47	729707	Dowel Pin	2
28	729792	Rotor	1	48	729791	Rear Plate	1
				49	729012	Ball Bearing	1
				50	729178	Bearing Seal	1



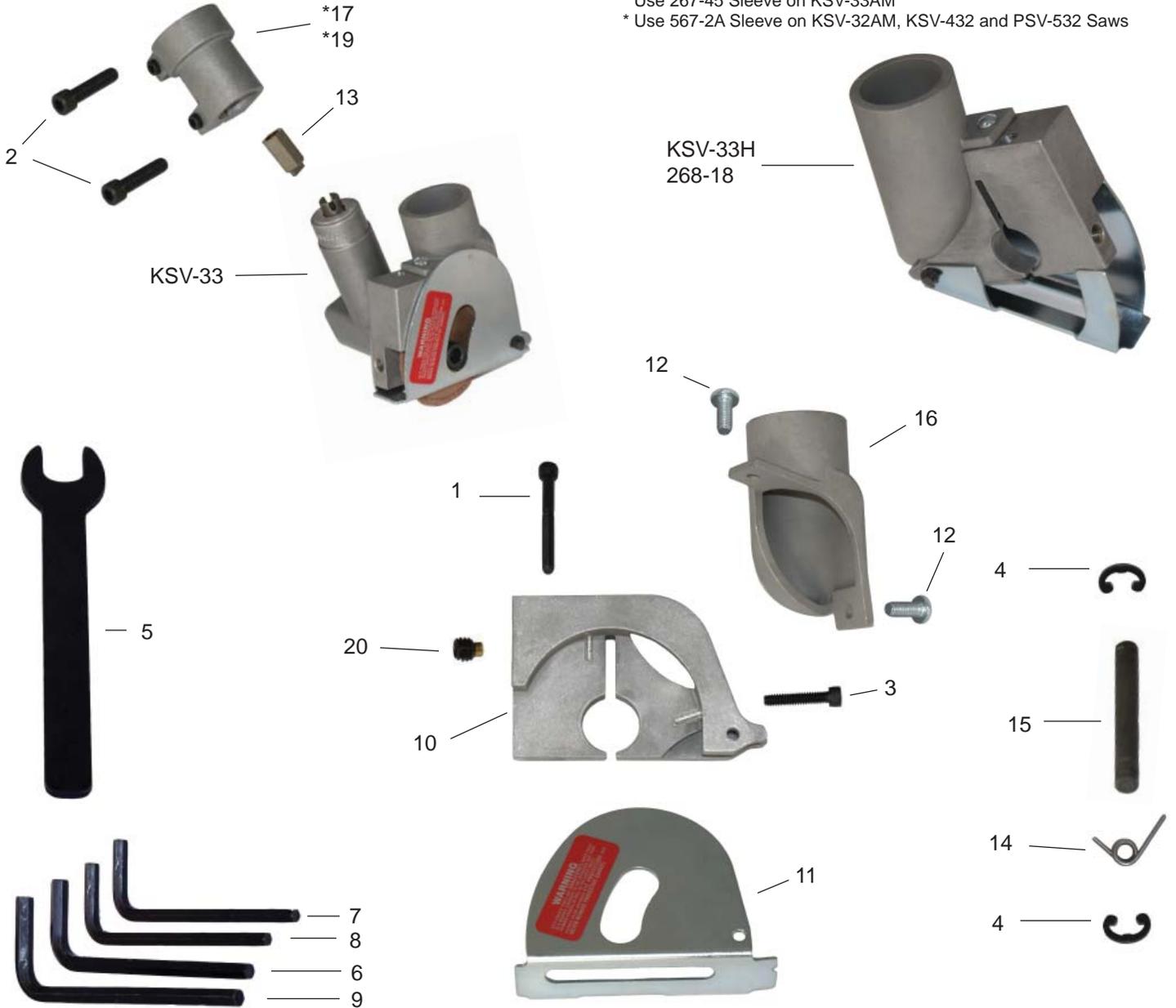
## KSV-33 SAW UNIT

FOR TOOLS MADE AFTER DECEMBER, 2012 WITH NEW STYLE DEPTH STOP

# PARTS LIST

\* Use 267-45 Sleeve on KSV-33AM

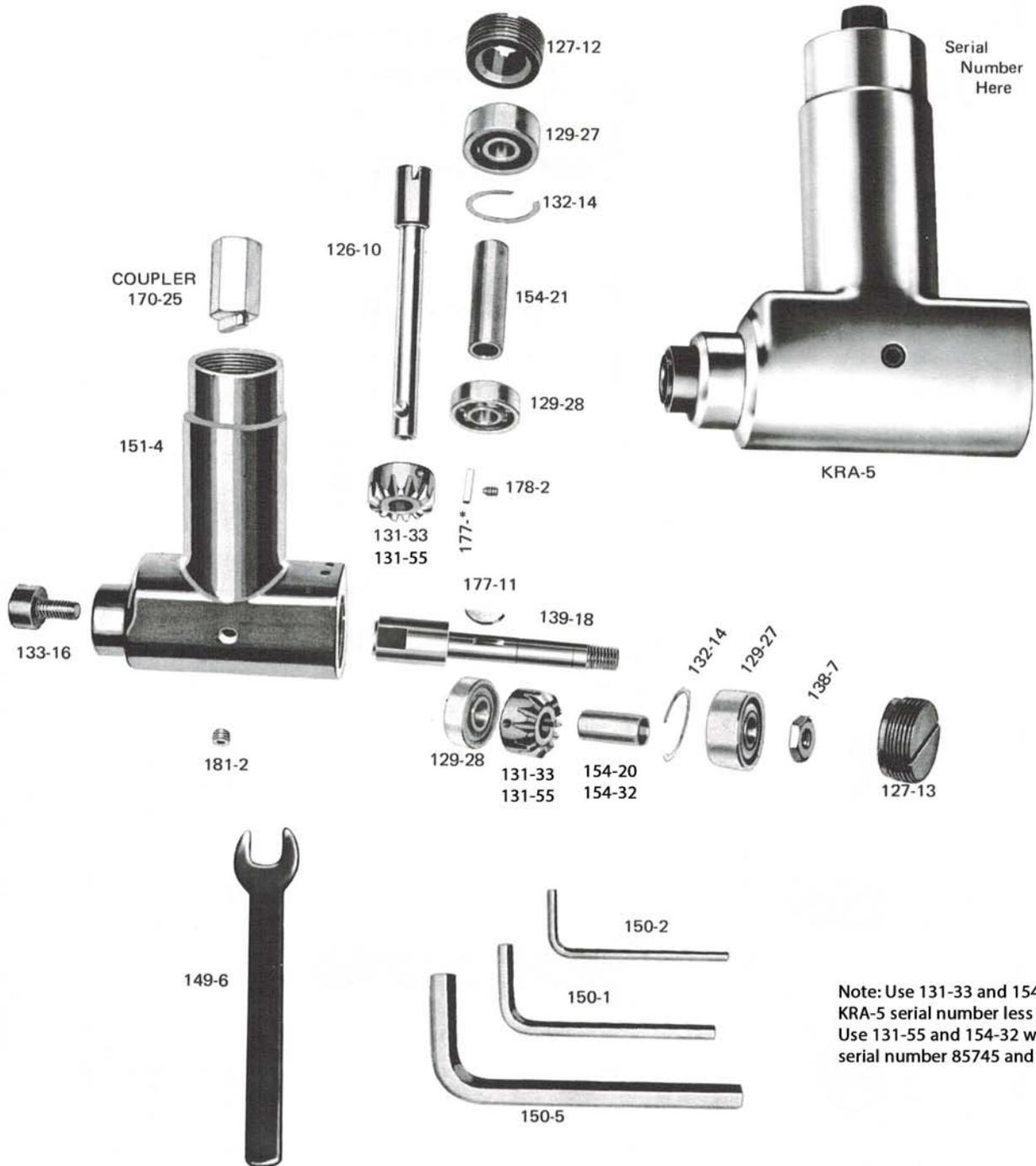
\* Use 567-2A Sleeve on KSV-32AM, KSV-432 and PSV-532 Saws



ITEM NO.	PART NO.	DESCRIPTION	REQ'D TOOL	ITEM NO.	PART NO.	DESCRIPTION	REQ'D TOOL
1	133-13	Clamping Screw	1	12	163-48	Screw 10-24 x 1/2	2
2	133-14	Clamping Screw	1	13	170-25	Coupler	1
3	133-29	Screw	1	14	191-12	Coil Spring	1
4	141-10	Retaining Ring	2	15	210-1	Guard Pin	1
5	149-6	Spindle Wrench	1	16	227-2	Vac Head	1
6	150-1	3/16" Socket Key	1				
7	150-2	1/8" Socket Key	1	*17	267-45	Connecting Sleeve	1
8	150-4	5/32" Socket Key	1	18	268-18	KSV-33 Saw Body & Guard Assembly	1
9	150-5	5/18" Socket Key	1	*19	567-2A	Connecting Sleeve	1
10	156-19	Vacuum Saw Body	1	20	N5027	Set Screw	1
11	160-9	Saw Guard	1				

# COMPONENT PARTS FOR KRA-5 GEARED ANGLE HEAD

s/n 15241 & higher



Note: Use 131-33 and 154-20 with KRA-5 serial number less than 85744  
Use 131-55 and 154-32 with KRA-5 serial number 85745 and greater.

Part No.	Description	Part No.	Description	Part No.	Description
126-10	Input Spindle	139-18	Output Spindle	177-*	Key (See serial number on neck of KRA-5 above)
127-12	Retaining Screw	149-6	Spindle Wrench		S/N 15240 & lower use 177-7 square key.
127-13	Retaining Screw	150-1	3/16 Socket Key		S/N 15241 & higher use 177-11 Woodruff Key
129-27	Ball Bearing	150-2	1/8 Socket Key	178-2	Socket Head Set Screw
129-28	Ball Bearing	150-5	5/16 Socket Key	181-2	Screw Plug
131-33	Mitre Gear	151-4	Housing		
131-55	Mitre Gear	154-20	Sleeve		
132-14	Shim	154-32	Sleeve		
133-14	Clamping Screw	154-21	Sleeve		
133-16	Spindle Bolt	170-25	Coupler		
138-7	Jam Nut	177-11	Woodruff Key		



## KSV-33 Saw Unit

### Adjustment Instructions

#### Installing the KSV-33H (268-18)

To install the KSV-33H onto the KRA-5 (100-7), remove the 227-2 vac head. Unscrew the two 163-48 screws and take off the 227-2. Loosen the 133-29 screw. Slide the KSV-33H onto the KRA-5. Tighten the 133-29 screw and reattach the 227-2 vac head using the two 163-48 screws.

#### Adjusting the Angle of the KSV-33H

Remove the 227-2 vac head (see above). Loosen the 133-29 screw and rotate the KSV-33H on the KRA-5 to the desired position, being careful to keep the saw blade in line with the vee sight of the saw guard. Tighten the 133-29 screw. Reattach the 227-2 vac head.

#### Adjusting the Depth of Cut

Loosen the set screw N5027. To increase the depth of cut turn the 133-13 clamping screw counter clockwise. To decrease the depth of cut turn the 133-13 clamping screw clockwise. Once the desired depth of cut is achieved, tighten the N5027 set screw. Ordinarily the saw blade should be extended approximately 1/16" to 1/8" more than the thickness of the material being cut. When cutting through a panel supported by ribs or other understructure that should be unmolested, extend the blade to the same distance as the measured thickness of the material being cut.

#### Replacing the Saw Blade

Insert the 149-6 open end spindle wrench behind the blade and span the flats on the 139-18 output spindle. Insert the 150-5 socket key into the hex socket of the 133-16 spindle bolt, loosen and remove both the bolt and the blade.

You will note the blade, which has a 7/16" bore, slips over the spindle and seats itself against the shoulder. This design provides for more concentricity resulting in smoother, faster and more accurate cutting. Slip the blade over the spindle, seat it against the shoulder, replace the spindle bolt