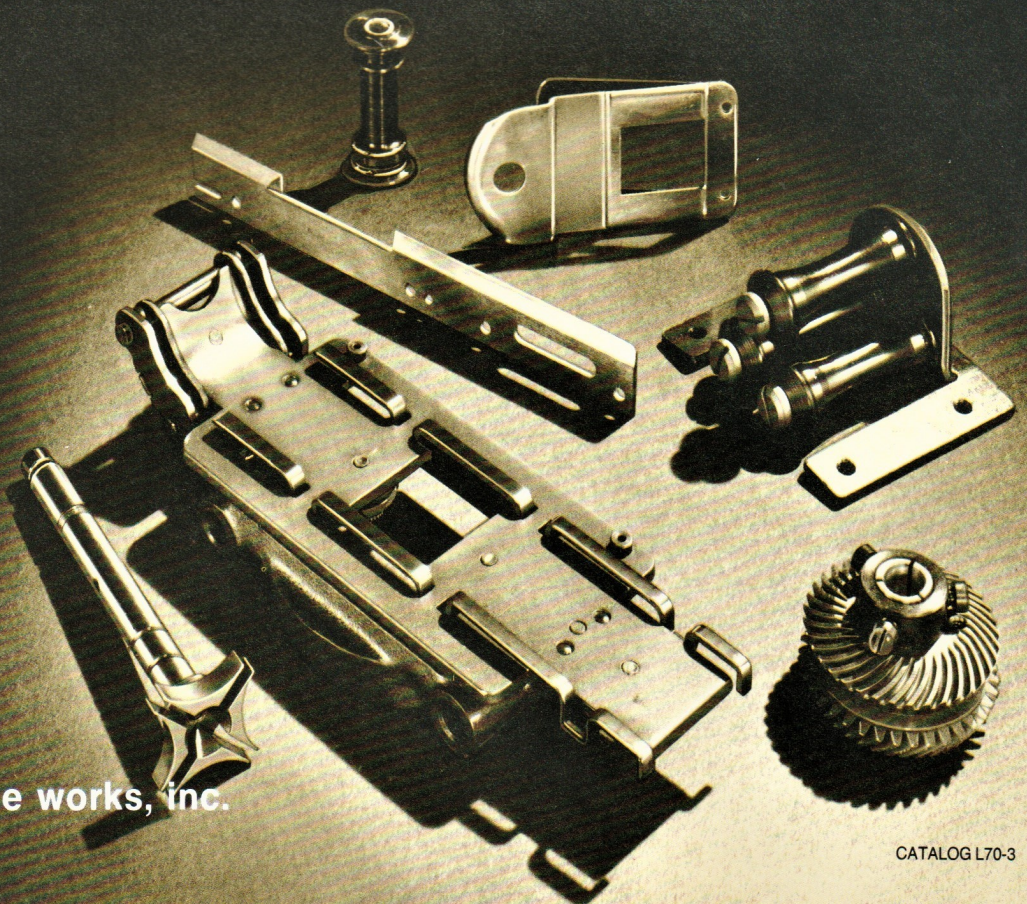
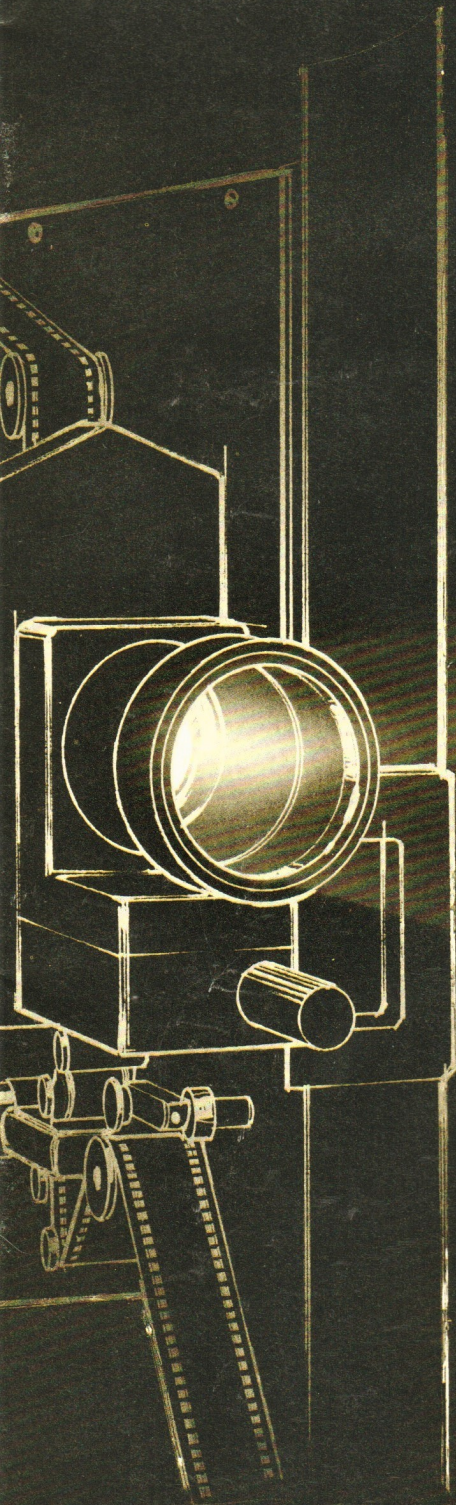
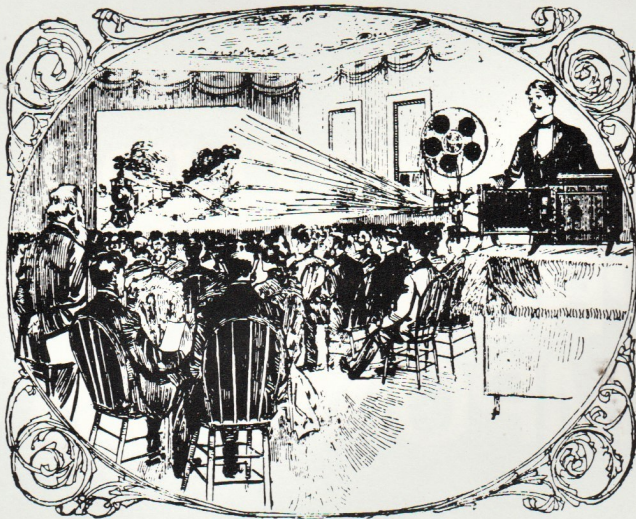


MOTION PICTURE PROJECTOR COMPONENTS



LaVeggi machine works, inc.

CATALOG L70-3



Precision projector parts since 1908



MANUFACTURER OF PRECISION COMPONENTS FOR THEATRE PROJECTORS

Like any piece of expensive machinery, a motion picture projector requires continual care and periodic preventive maintenance to keep it operating at peak efficiency. This attention to care serves to provide a viewing audience with the pleasure of seeing and hearing their favorite stars perform on the screen, unencumbered by distractions caused by a malfunctioning projector.

Since 1908 LaVezzi Machine Works, Inc. has furnished the motion picture industry with quality sprockets, and other components and assemblies for theatre projectors. Parts have been machined with unique configurations and to uncommonly close tolerances for continuous, rugged service. This manufacturing experience has provided LaVezzi with a reservoir of men, equipment and technology, and unprecedented capabilities to machine virtually any precision component for a projector.

With today's rapidly changing requirements, new materials and processes necessitated by more sophisticated motion picture equipment, LaVezzi management and personnel strive to continue the policy of producing the very finest projector components.

This catalog lists and describes projector parts and assemblies manufactured and guaranteed by LaVezzi to furnish the highest level of mechanical operation for motion picture projection. These parts are machined to original equipment specifications and serve to maintain the projector at near-new level of operation.

Where necessary, parts have been selected and packaged in kit-form to simplify maintenance, overhaul or conversion of equipment. With certain applications, the kits contain partially assembled systems to relieve the projector-repair person of lengthy and delicate assembly work, and—often times—results in cost savings over individually purchased components.

PARTS AVAILABILITY

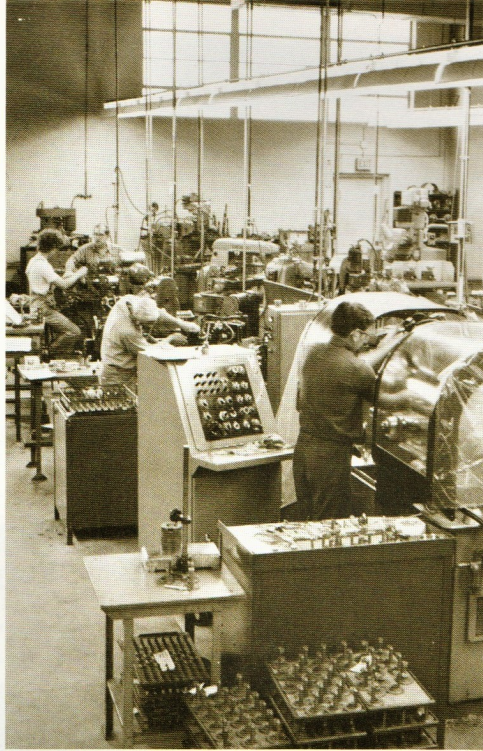
LaVezzi projector parts are available from Theatre Equipment Dealers everywhere. Contact your dealer immediately when any part or repair work is required on your projection equipment.

YOUR DEALER

Your theatre equipment dealer can be an invaluable aid to select the proper LaVezzi part for your projector, as well as any of your theatre requirements. The dealer has the facilities to serve your needs with every type of equipment. You can depend upon his sound advice and support.

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"No word better describes La Vezzi projector components than PRECISE!"

Precision is a relative word! At LaVezzi precision is an awareness that begins at the inspection of incoming materials, continues throughout the manufacturing process, and is completed when the component is packaged with the familiar white LaVezzi label that is your assurance of reliable film control.

LaVezzi components are precise, because the people who machine them...who mold, grind, broach and hone, mill, hob, finish, and provide all the other manufacturing operations, are responsible for the quality of their work. As each job moves through production, the component is continually compared to standards to assure they satisfactorily meet all specifications and requirements.

The LaVezzi employee averages more than 15 years with the Company. This experience provides a keen awareness to practically all the products that are manufactured at the Company.

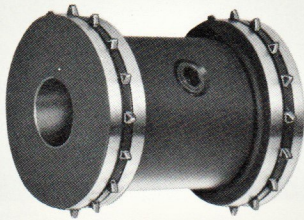
Thomas E. LaVezzi,
President



FILM SPROCKETS

Since the early days of motion pictures, LaVezzi has specialized in the manufacture of film sprockets for projection equipment, producing sprockets literally for every type of equipment handling perforated film. In succeeding years, there was a cooperative effort between the industry and LaVezzi to develop new sprockets and projector parts to present a better screen image, improve equipment reliability and film service life, while reducing the maintenance costs of movie prints and projection equipment.

CinemaScope-Type Sprockets



With the introduction of wide-screen viewing in 1953, LaVezzi rushed to supply the narrow-tooth sprockets to handle the new CinemaScope film format with its magnetic tracks and narrow perforations. That sprocket design became the industry standard

since it was able to handle the two types of film commonly used in theatrical exhibition: the KS wide-perforation film and the CS narrow-perforation film. The sprocket teeth are .040" wide and the centers of the two rows of teeth are at the same position as the centers of the CS perforations. See figure 1.

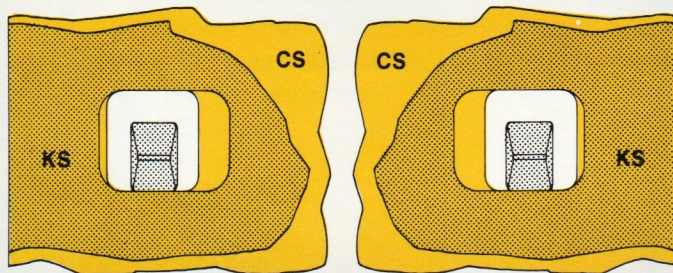
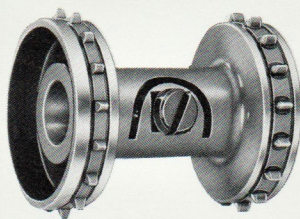


figure 1

Posi-Trol™ Positive Control Sprockets



In recent years, the industry has sought greater film control within the projection equipment. The Posi-Trol positive control sprocket was introduced and received immediate recognition for its ability to control film by restricting side-to-side travel through the projector, and with the least possible chance to cause damage to the film perforations.

The Posi-Trol sprocket is designed with one of two rows of teeth having a width very near equal to the width of the film perforation. This virtually eliminates lateral slippage and acts to stabilize the projected image on the theatre screen. The four corners of the wide teeth are machined with a radius to avoid interfacing with the fillet radius of the perforation.

The second row of teeth has the same width on the driving face and provides the greatest amount of driving interface with the perforation, yet compensates for any variations in the film's width. See figure 2.

The Posi-Trol sprockets are intended for use only with films having the wide KS perforation. They cannot be used with the narrow perforations of CS film.

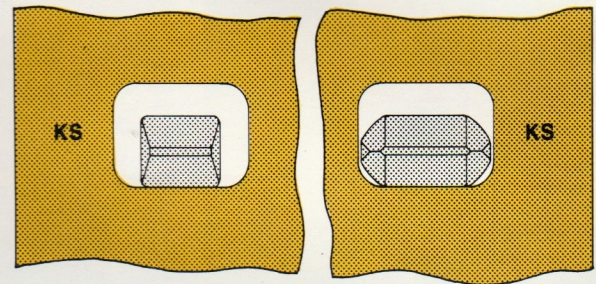
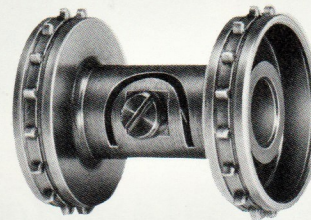


figure 2

VKF™ "Very-Kind-to-Film" Sprockets



The latest development in projector sprockets is the VKF sprocket.

Compatible with both the CS narrow-perforation film and the KS wide-perforation film, the VKF sprocket minimizes any opportunity for the sprocket teeth to damage the film resulting from abnormal contact with the sprocket.

The VKF sprocket is designed exclusively for theatre equipment to basic CinemaScope sprocket tooth dimensions. The film contacting surface of the teeth has been widened, and rounded curves have been added to present no sharp edges that can cut, tear, or abrade the film perforations—the point where film damage often begins.

Figure 3 illustrates the relative position of the VKF sprocket teeth with the CS and KS-type films.

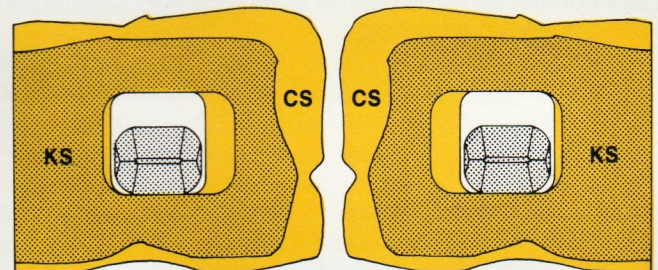


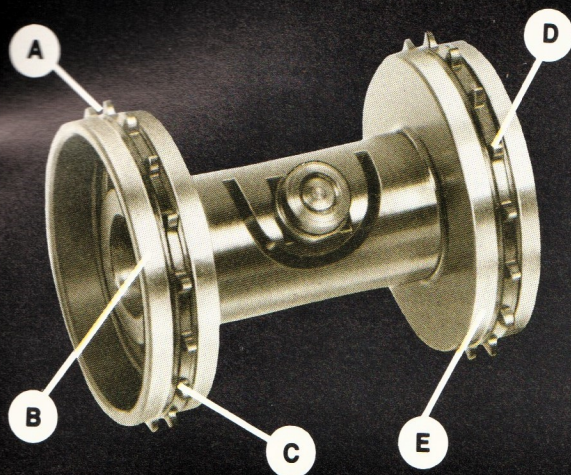
figure 3

Radi-Blend™ —extra margin of care for film handling.

Radi-Blend is an exclusive LaVezzi manufacturing process that provides each Posi-Trol and VKF sprocket with a smooth, friction-free surface. In the Radi-Blend process the corners, sides and edges of the teeth are tapered, blended and burnished to permit smooth engagement and disengagement of the film without interruption. It reduces abrading, chipping and scraping of the film's emulsion and helps keep the projector clean and free of harmful film dust. The tooth crowns are rounded to reduce the possibility of tearing into the film.

All dimensions are held to close tolerances! The distance between the two rows of teeth, the width of the teeth, the width of the tooth's driving face are closely held to accommodate any reasonable degree of deviation from the film's perforation dimension.

NOTE: For complete reference concerning LaVezzi film sprockets, see LaVezzi catalog L70-2.



- A** Accurate tooth-to-tooth spacing provides a smooth, even drive; longer life for film.
- B** Concentricity between sprocket shaft and film diameter is held to close tolerances.
- C** High finish of film supporting surfaces provide abrasion-free contact with film.
- D** Tooth alignment, registration, and concentricity are meticulously maintained to specification.
- E** Machined surfaces are free from burrs to minimize film damage.

SPROCKET SELECTION CHART

35mm Projector Sprockets by LaVezzi

Type of Equipment	Original equipment Part No. (for ref. only)	LA VEZZI PART NUMBERS		
		VKF Sprocket	CS narrow-tooth Sprocket	Posi-Trol Sprocket
Regular or Super Simplex Projector	BB42 (or G2477) Intermittent (with taper pins)	—	416T25B	—
	BB47 Intermittent (with screw and nut)	416TL31B	416T31B	L2SP31
	W145D Upper	416GL31B	W145DC	L3SP31
	W146D Lower	416GL31B	W146DC	L4RS31
Simplex E7 Projector	BB47 Intermittent	416TL31B	416T31B	L2SP31
	S1283C Upper	416GL31B	S1283CC	L3CP31
	S1284C Lower	416GL31B	S1284CC	L4CS31
Simplex X-L Projector	G2330 Intermittent	416TL31B	416T31B	L2SP31
	G2332 Upper or Lower	424GL37B	G2332	L3XL37
	G4148 High Speed Intermittent	—	416DG31M	—
Simplex Sound Head	SN122 (P3322)	416GL37B	SN122C	L3SS37
	SN123 (P3321)	416GL37B	SN123C	L4SS37
Century Projector and Sound Head	SK102BB Intermittent (with taper pins)	—	416T25B	—
	SK1263 Intermittent (with screw and nut)	416TL31B	416T31B	L2SP31
	SK11D (SK964) Upper	416GL31B	SK11DC	L3CP31
	SK12D (SK965) Lower	416GL31B	SK12DC	L4CS31
	SK967 Sound	416GL31B	SK967	L3CP31
RCA Sound Head	21432 Take up	416GL31B	21432C	L4RS31
	23681 Constant Speed	416GL37B	23681C	L3RS37
	25550 Constant Speed	—	25550C	—
Eprad Sound Head	500 H	416GL50B	500HC	L4BS50
Ballantyne Sound Head	500 H	416GL50B	500HC	L4BS50
Holmes Projector	263 Intermittent	—	263C	—
	E1252 Feed or Sound	—	E1252C	—

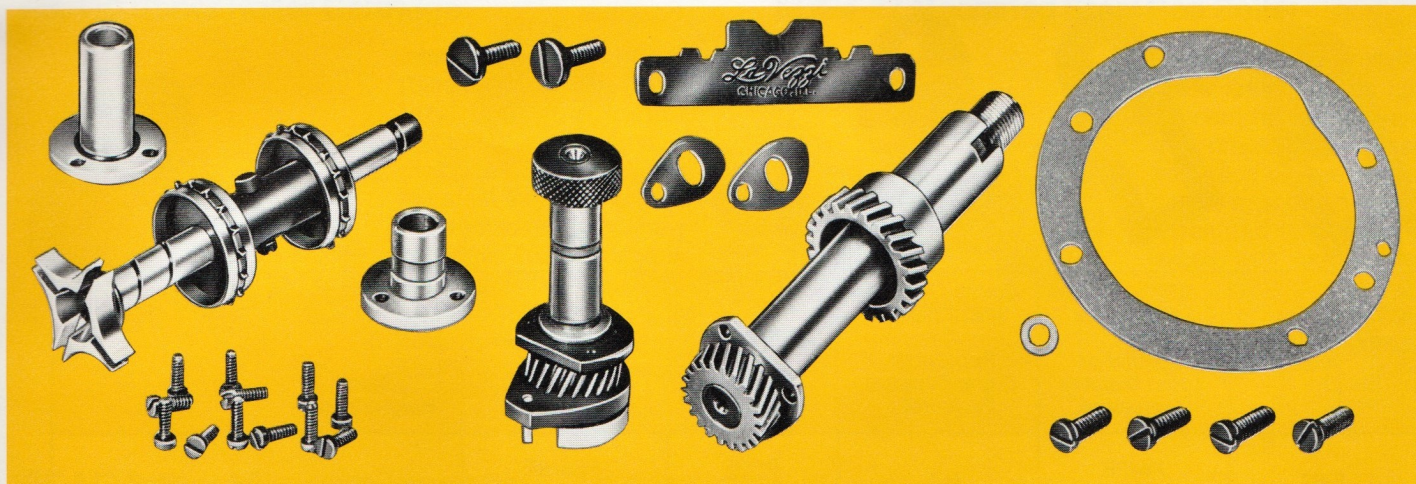


PARTS FOR SIMPLEX INTERMITTENT MOVEMENT ASSEMBLIES

LaVezzi Part Number	Description	LaVezzi Part Number	Description
A-16	Intermittent Case Oil Tube and Flange	G-261-BB	Case Cover Oil Gasket (E7)
A-192-BB	Case Cover and Arm	G-263-BB	Flywheel Driven Gear (E7)
BB-27	Flywheel Shaft and Gear	G-264-BB	Flywheel Shaft Gear (E7)
BB-28	Flywheel and Gear	G-265-BB	Oil Gasket (E7)
BB-30	Flywheel Lock Nut Assembly	G-268-BB	Oil Sight Gasket (E7)
BB-31	Oil Cup	K-130-BB	Flywheel Lock Nut Key
BB-36	Cam Assembly with two pins at 180°, otherwise identical to BB-38 (Special Purpose Projector)	L2SP31	Positive Control intermittent Sprocket for LA-1310 or S-1310 star, with Screw and Nut
BB-38	Cam Assembly	LA-1310	Starwheel and Shaft
BB-39	Cam Shaft Lock Nut	LA-1311	Inner Star Bearing
BB-45	Cam Assembly (E7)	LA-1312	Outer Star Bearing
BB-53	Flywheel Shaft and Gear (E7)	LA-1313	Stripper Plate
BB-57	Intermittent Case Oil Tube and Flange	N-204-BB	Oil Sight Nut
BB-66	Intermittent Movement Assembly for Regular Simplex	N-230-BB	Oil Sight Nut (E7)
BB-77	Intermittent Movement Assembly for Super Simplex	P-121-C	Intermittent Adjusting Pivot
B-246-BB	Flywheel Shaft Bearing	P-350-BB	Taper Pin for 416T25B
B-246-BB-O	Flywheel Shaft Bearing-Oilite	P-353-BB	Pivot Pin
B-323-BB	Starwheel Shaft Inner Bearing (for S-951 star)	P-360-BB	Cam Pin
B-419-BB	Flywheel Shaft Bearing (E7)	P-655-BB	Case Cover Locating Pin (E7)
B-420-BB	Starwheel Shaft Inner Bearing (E7)	R-52	Oil Drain Tube
B-463-BB	Cam Shaft Eccentric Bearing (E7)	S-177-E	Set Screw
B-482-BB	Starwheel Shaft Outer Bearing (for S-951 Star)	S-432-E	Stripper Screw
B-484-BB	Cam Shaft Bearing, eccentric	S-724-BB	Bearing Fastening Screw
B-484-BB-O	Cam Shaft Bearing, eccentric Oilite	S-725-BB	Flywheel Locknut Screw
B-519-BB	Outer Star Bearing (E7)	S-728-BB	Case Clamp Screw
C-293-BB	Oil Cup	S-729-BB	Case Cover Screw
C-294-BB	Case Retaining Clamp	S-731-BB	Stripper Plate
C-295-BB	Starwheel Shaft Collar (for S-951 Star)	S-765-BB	Oil Deflector Screw
C-316-BB	Oil Cup	S-932-G	Oil Tube Fastening Screw
C-375-BB	Intermittent Case	S-951-BB	Starwheel and Shaft
C-470-BB	Intermittent Case Cover Oil Cup (E7)	S-1026-D	Flywheel Clamping Screw (E7)
C-483-BB	Cam Shaft Bearing Collar	S-1310-BB	Starwheel and Shaft (E7)
D-130-BB	Oil Deflector	S-1334-BB	Vent Tube Flange Screw (E7)
G-185-BB	Flywheel Gear	S-1360-BB	Fastening Screw (E7)
G-186-BB	Cam Gear	S-1380-BB	Cover Fastening Screw (E7)
G-187-BB	Flywheel Shaft Gear	S-1382-BB	Cover Fastening Screw (E7)
G-188-BB	Gasket	W-191-BB	Flywheel
G-211-BB	Oil Tube Gasket	W-232-BB	Flywheel Oil Retaining Washer
G-225-BB	Case Cover Glass Gasket	W-286-BB	Oil Sight Glass (E7)
G-226-BB	Oil Sight Glass	W-294-BB	Flywheel Gear Washer (E7)
G-260-BB	Intermittent Cam Gear (E7)	W-332-BB	Oil Drain Screw Washer
		416T25B	Intermittent Sprocket for S-951-BB Star (with taper pins)
		416T31B	Intermittent Sprocket for S-1310-BB or LA-1310 Star, (with Screw and Nut)
		416TL31B	VKF Intermittent Sprocket for LA-1310 or S-1310 Stars (with Screw and Nut)
		3615-1	Screw for Intermittent Sprocket
		3615-2	Lock Nut for Intermittent Sprocket



INTERMITTENT MOVEMENT REPAIR KITS & TOOLS



The highly specialized components which make up projector intermittent movement assemblies are a specialty for LaVezzi Machine Works. The choice of material, the manufacturing techniques, the heat treatment, the involved grinding operations, and the rigid quality control all contribute to the precise condition of these pieces, making it possible to present a projected image on the screen which is virtually free of film jump.

These components are available in kit form, individually matched and fitted at the factory, and ready for assembly to the unit to be

repaired. It reduces time and overhaul work and improves the quality of the finished overhauled unit.

In these kits, the intermittent sprocket is fitted to the star shaft. The cam shaft bearing is fitted to its shaft, the flywheel shaft bushing and gear are fitted to the flywheel shaft and the inner star shaft bushing is fitted to the star shaft.

The outer star shaft bushing is to be aligned and fitted to the shaft by the repair person using the LaVezzi controlled alignment reamer described on page 14.

All of the kits shown here include the VKF-type intermittent sprockets

SCSB-3-V Super Simplex Intermittent Repair Kit

Consists of the basic items needed to convert the Super Simplex intermittent movement to use the sprocket with screw and nut. Star, cam, sprocket, and inner star bearing are matched. Kit contains:

416TL31B	LA-1311
BB-38	LA-1312
LA-1310	LA-1313

RK-103-V Complete Super Simplex Repair Kit

Contains items necessary to overhaul the Super Simplex-type intermittent movement assembly. All parts are fitted and assembled as described above. Includes:

416TL31B	G-185-BB	S-432-E(2)
BB-27	G-188-BB	S-724-BB(12)
BB-38	LA-1310	S-728-BB(2)
B-246-BB	LA-1311	S-729-BB(4)
B-484-BB	LA-1312	W-232-BB
C-294-BB (2)	LA-1313	W-332-BB

RK-108-V Simplex E-7 Intermittent Repair Kit

Contains parts necessary to completely overhaul an intermittent movement from the Simplex E-7 projector. Parts are matched and fitted as described above including:

416TL31B	B-519-BB	S-1310-BB
BB-45	G-261-BB	S-1360-BB(2)
BB-53	G-263-BB	S-1380-BB(8)
B-419-BB	G-265-BB	S-1382-BB(6)
B-420-BB	G-268-BB(2)	W-286-BB(2)
B-463-BB	G-724-BB(12)	W-294-BB

RK-114-V Century "C" Intermittent Repair Kit

Contains components necessary to completely overhaul the Century "C" intermittent assembly. Parts are matched and fitted as described above. The inner cam shaft bushing is fitted to the cam shaft. The outer cam shaft bushing is to be fitted using the LaVezzi controlled alignment reamer ARC-437, as described on page 14.

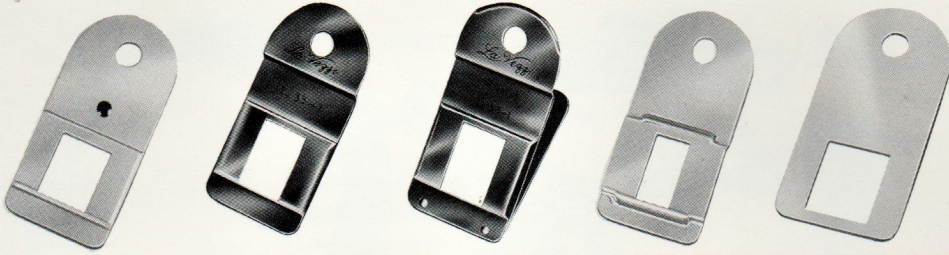
416TL31B	GA-17	LA-1310
BU-21	GA-20	LA-1328
BU-40	GG-19	LA-1334
CM-29	GR-7	NU-10

RK-115-V Century "SA" Repair Kit

Contains parts necessary for overhaul of Century "SA" projector. Includes parts matched and fitted as mentioned above, including the fitting of inner cam shaft bushing to the cam shaft. Parts are:

4GC43	BU-645	BU-713
4GW31	BU-646	GR-7
416TL31B	BU-712	

PROJECTOR APERTURE PLATES



E72 Series for Simplex E7 Projectors	P672 Series for Regular or Super Simplex Projectors	Spring-Loaded SP672 Series for Regular or Super Simplex Projectors	PE5 Series for Century Projectors	PE518E Series for Century Projectors	Size Height/ Width	Ratio
E-83	P672E Blank	N/A	PE5E Blank	PE518E Blank	No Opening	None
E-72	P672E	SP672E	PE5E	PE518E	.600 x .825	1.33:1
E-72-O	P672E-O	SP672E-O	PE5E-O	PE518E-O	.600 x .800	1.33:1 Undersize
E-72-1	P672E-1	SP672E-1	PE5E-1	PE518E-1	.490 x .825	1.66:1
E-72-2	P672E-2	SP672E-2	PE5E-2	PE518E-2	.490 x .800	1.66:1 Undersize
E-72-3	P672E-3	SP672E-3	PE5E-3	PE518E-3	.440 x .825	1.85:1
E-72-4	P672E-4	SP672E-4	PE5E-4	PE518E-4	.440 x .800	1.85:1 Undersize
E-72-5	P672E-5	SP672E-5	PE5E-5	PE518E-5	.460 x .825	1.75:1
E-72-6	P672E-6	SP672E-6	PE5E-6	PE518E-6	.460 x .800	1.75:1 Undersize
E-72-7	P672E-7	SP672E-7	PE5E-7	PE518E-7	.400 x .825	2:1
E-72-8	P672E-8	SP672E-8	PE5E-8	PE518E-8	.400 x .800	2:1 Undersize
E-72-13	P672E-13	SP672E-13	PE5E-13	PE518E-13	.700 x .839	2.35:1 (Anamorphic)
E-72-14	P672E-14	SP672E-14	PE5E-14	PE518E-14	.650 x .775	2.35:1 Undersize (Anamorphic)
E-72-15	P672E-15	SP672E-15	PE5E-15	PE518E-15	.715 x .715	2:1 (Anamorphic)
E-72-16	P672E-16	SP672E-16	PE5E-16	PE518E-16	.715 x .650	2:1 Undersize (Anamorphic)
E-72-17	P672E-17	SP672E-17	PE5E-17	PE518E-17	.650 x .650	2:1 Undersize (Anamorphic)

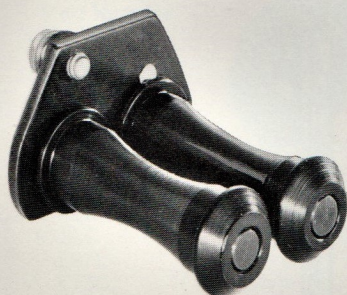
Note: See P445E Sliding Piece for Regular and Super Simplex projectors. Pages, 10, 11, 12. See AF13 and AFC 15 Aperture Plate Files. Page 14



LaVezzi Machine Works, Inc.

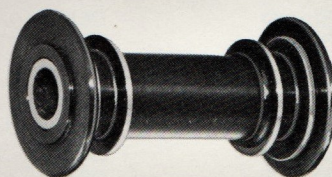
35mm STANDARD FILM ROLLERS AND ASSEMBLIES

RK-110 Upper Roller Cartridge



Intended for use in H130C (Simplex), or H06A (Century), and other upper magazine valve housings. Simply remove and discard the steel or brass rollers, and replace with the new cartridge. The cartridge is secured with two screws provided, and uses existing holes in the housing. Uses the RK-110-2 Delrin roller.

SOR4-22 Machined Steel Pad Roller



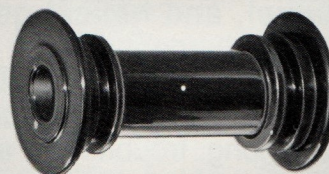
Finest pad roller available!
Made for those who have concern for the quality of their projection equipment, protection of film, and top screen presentation. Machined to tight tolerances, with special attention to film-contacting surfaces. Fitted with Oilite bushings. Recommended for use with Posi-Trol positive control sprockets and VKF sprockets.

RK-112 Lower Magazine Assembly



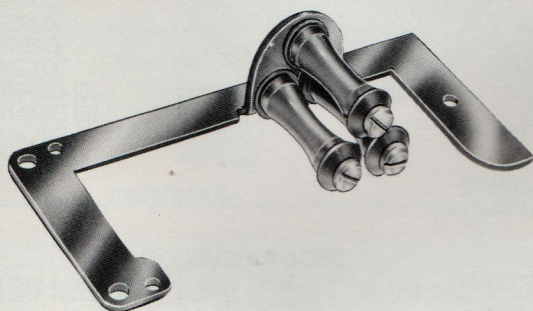
Replacement for lower valve assembly. Loosen the four screws and remove the old assembly, discarding rollers and holder. To install use the new screws provided and the same four holes in the magazine. Makes use of RK-110-2 rollers and RK-112-2 studs. Adaptable to many applications where the film path is controlled, and allows the film to enter or exit from either right or left.

MNR 4-22 Nylon Pad Roller



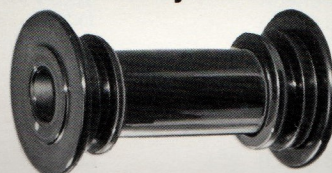
Used in most projectors and sound heads to hold the film against the sprocket. Film contacting surfaces are ground for good surface finish and concentricity. Intended for use with the C12 stud with 7/32" diameter shaft.

RK-113 Upper Magazine Roller Assembly



Direct replacement for old housing and roller assemblies: C-8 (Simplex), CI-A-14 (Century), and other similar units. Old unit is entirely enclosed permitting dirt to accumulate, rollers to stick, and can severely damage film. New unit is fully open and easily cleaned. Permits film to enter or exit from either the left or right. Rollers are RK-110-2; studs are RK-112-2. No fitting is involved.

MNR4-25 Nylon Pad Roller



Same as MNR4-22, but with 1/4" bore. Used on RCA-Brenkert and similar projectors.

RK-110-2 Film Roller



Molded from Delrin, a hard material that does not engulf foreign material. Carefully manufactured to properly control and protect film. Used with RK-110, RK-112, RK-113 roller assemblies.

C12 Pad Roller Stud



Used with MNR4-22 or SOR4-22 pad rollers.

RK-112-2 Roller Stud



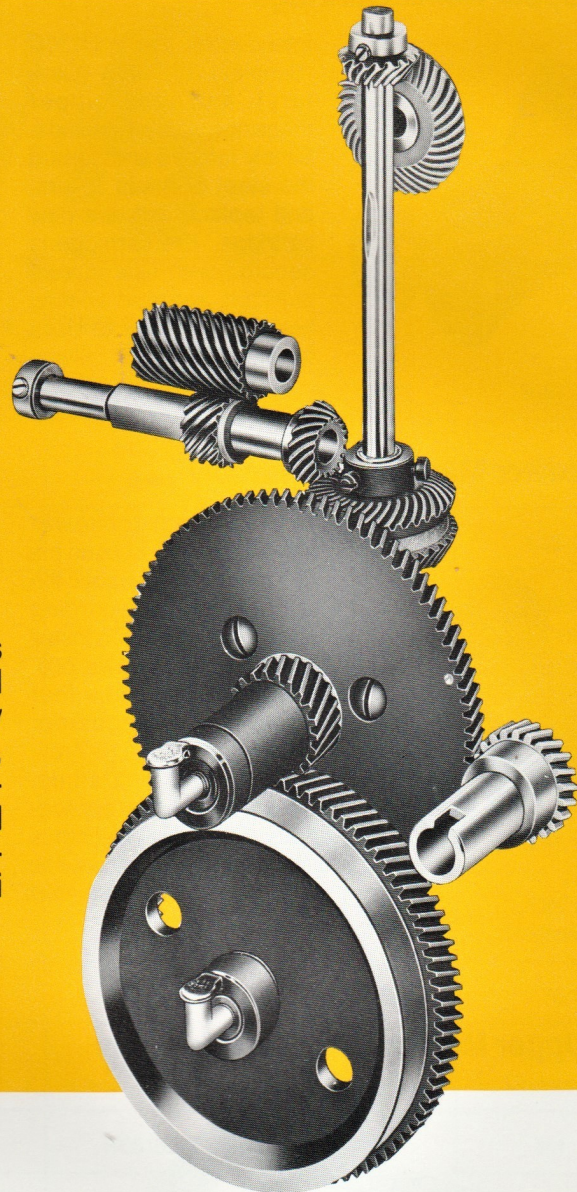
Machined from steel, and finished with a dry-lube coating to make further lubrication unnecessary. Used in RK-112 and RK-113 roller assemblies.

COMPONENTS AND ASSEMBLIES FOR SIMPLEX PROJECTORS

For Regular (R), Super (S), E-7 (E), X-L (X) Model Projectors

35mm Projector Gear Train

Precision spiral, bevel, and helical gears machined from cast iron, hardened steel, and laminated phenolic thermoset materials. They are hobbled with precision for quiet operation, minimum backlash, and long, trouble-free service. All parts are interchangeable, with shafts and bores machined to close tolerances and fine surface finishes that are consistent with LaVezzi quality.



LaVezzi Part Number	Description	LaVezzi Part Number	Description
A8	Focus Knob (R)	E3C	SHOE ASSEMBLY (R,S)
A16	Oil Tube (S)	C127E (4)	Collar
A30	Main Drive Shaft (R,S)	G125E (2)	Inner Shoe
B106G	Block (R)	G126E (2)	Outer Shoe
B262G	Bushing (R, S)	S665E (2)	Stud
B297E	Bushing (R)	S716E (4)	Screw
C12	Stud (R,S) See Page 9	E14	ROLLER ASSEMBLY (R)
C16	(Order C12)	E86	Roller and Shaft
C25L	TRIP LEVER ASSEMBLY (R,S)	P359E (2)	Pivot
L161CL	Lever	R214E	Roller
P867CL	Plunger	R311E	Retainer
S886CL	Spring	S762E	Spring
S873CL	Screw	W198E	Washer
S874C	Screw	E30	ROLLER ASSEMBLY (S)
C192G	Collar (R,S,E)	E87	Roller and Shaft
C193G	Collar (R,S)	P359E (2)	Pivot
C316G	Oil Cup (R,S)	R246E	Roller
C378G	Collar (R,S,E)	R311E	Retainer
D3	Governor Weights (R,S,E)	S762E	Spring
		W198E	Washer



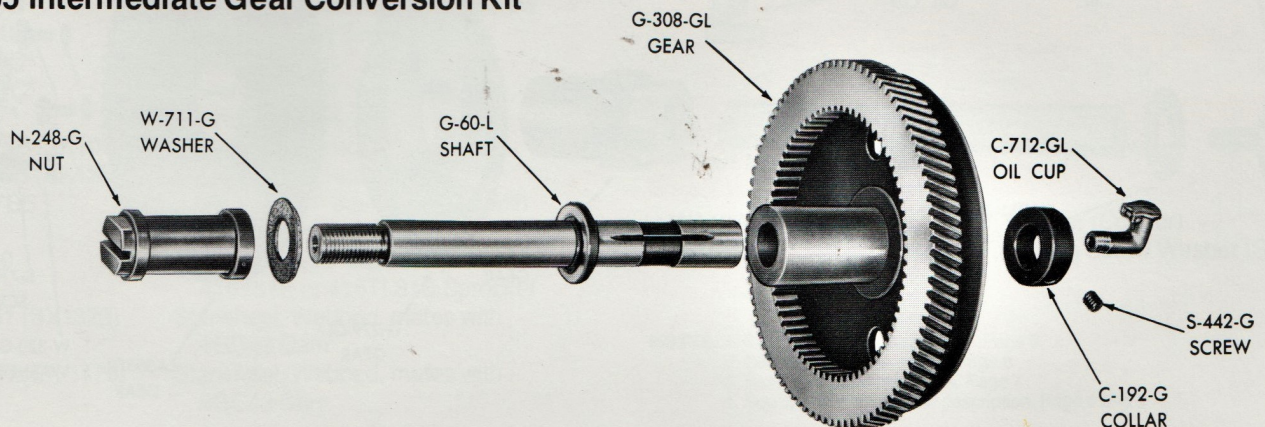
LaVezzi Machine Works, Inc.

COMPONENTS AND ASSEMBLIES FOR SIMPLEX PROJECTORS

For Regular (R), Super (S), E-7 (E), X-L (X) Model Projectors

LaVezzi Part Number	Description	LaVezzi Part Number	Description
E72	Aperture Plate (E) See Page 8	G116G	Gear (R,S)
E73C	SHOE ASSEMBLY (R,S,E)	G134G	Gear (R,S)
C127EC (4)	Collar	G211G	Gasket (R,S,E)
R316E (2)	Outer Shoe	G248G	Gear (R,S)
R317E (2)	Inner Shoe	G249E	Film Guide (E)
S1511E (4)	Screw	G250E	Film Guide (E)
S1530E (2)	Stud	G254G	Main Drive Gear (E)
E78LC	FILM TRAP DOOR ASSEMBLY (R)	G258G	Gear (E)
E67L	Door	G279G	Gear (R,S)
E73C	Shoe	G282G	Gear (R,S)
H226EL	Holder	G283G	Gear (R,S)
N227E (3)	Nut	G297G	Gear (E)
N228E	Nut	G305G	Gear (E)
P607E	Pin	G308G	Main Drive Gear (R,S)
P608E	Pad	G2339	(Order E73C) (X)
P609E	Pad	G4453	(Order RK-110) (X)
S192D (4)	Screw	H120G	Holder (R,S,E)
S1250E	Support	H121G	Holder (R,S,E)
S1279E (4)	Screw	K150E	Knob (R,S,E)
S1280E (4)	Spring	L112D	Link (R,S,E)
W278E (4)	Washer	LA306G	Gear (E)
E78LSC	FILM TRAP DOOR ASSEMBLY (S) (Same as E78LC Except H226ELS Replaces H226EL)	LAG92	GEAR ASSEMBLY (R,S)
E82	Holder, Includes N261E Nut (4) (R,S)	LA307G	Gear
E94	ROLLER ASSEMBLY (E)	P709G	Plate
E85	Roller and Shaft	S705G (3)	Screw
P359E (2)	Pivot	MNR4-22	Pad Roller (R,S,E) See Page 9
R290E	Roller	N227E	Nut (R,S,E)
R311E	Retainer	N228E	Nut (R,S,E)
S762E	Spring	N248G	Nut (R,S,E)
W198E	Washer	P100E	Pad (R,S)
G35	LOWER SPROCKET SHAFT ASSEMBLY (R,S)	P121C	Pin (R,S)
G111G	Gear	P128G	Pin (R,S)
S1031G	Shaft	P160M	Pin
W114G	Washer	P445E	Aperture Sliding Piece (R,S)
G73	SHAFT ASSEMBLY (R,S)	P554G	Pawl (R,S)
C193G	Collar	P608E	Pad (R,S,E)
G278G	Gear	P609E	Pad (R,S,E)
S436G	Screw	P672E	Aperture Plate (R,S) See Page 8
S1082G	Shaft	P1641	(Order S326E)
G87	VERTICAL SHAFT GEAR ASSEMBLY (R,S)	P1645	(Order S716E)
C490G	Collar	P1699	(Order R290E)
G298G	Bronze Gear	P2748	(Order R161C)
G299G	Fibre Gear	P3085	(Order MNR4-22)
P687G	Pin	P3291	(Order R316E)
S1048G (3)	Screw	P3293	(Order S1530E)
S1447G (3)	Screw	P3296	(Order C127EC)
S1479G	Shim	P3297	(Order R317E)
W330E (3)	Washer	P3317	(Order R160C)
		P3789	(Order G126E)
		R160C	Roller (Small) (R,S,E)

RK-105 Intermediate Gear Conversion Kit



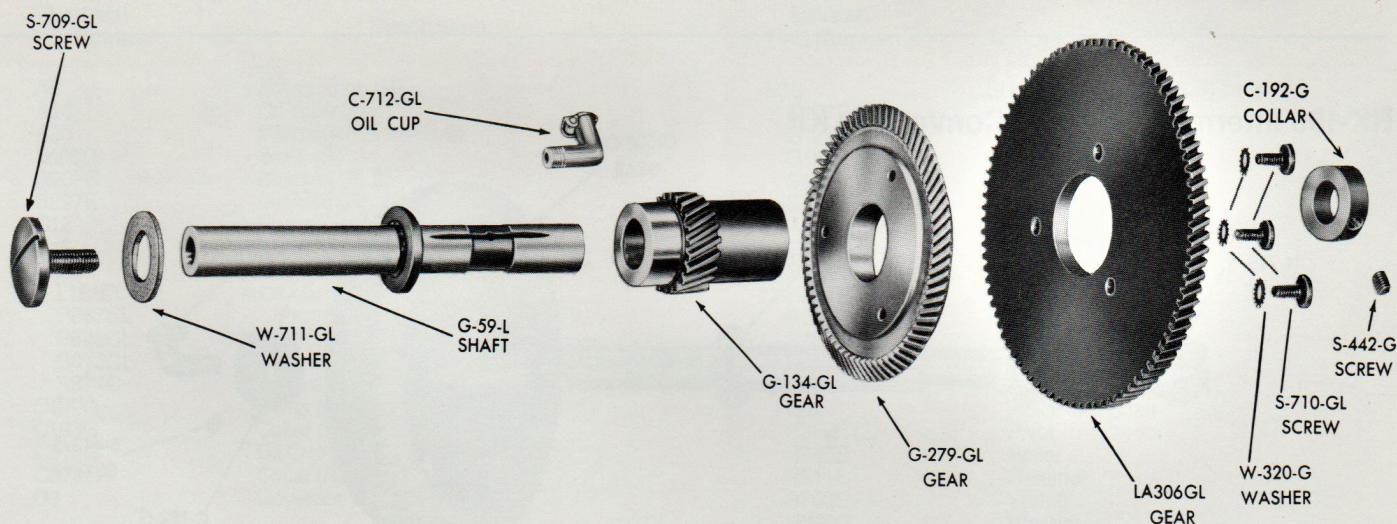
LaVezzi Machine Works, Inc.

COMPONENTS AND ASSEMBLIES FOR SIMPLEX PROJECTORS

For Regular (R), Super (S), E-7 (E), X-L (X) Model Projectors

LaVezzi Part Number	Description	LaVezzi Part Number	Description
R161C	Roller (Large) (R,S,E)	S357G	Stop (R,S)
RK105	GEAR AND STUD ASSEMBLY (R,S)	S432E	Screw (R,S)
C192G	Collar	S436G	Screw (R,S)
C712GL	Oil Cup	S437G	Screw (R,S)
G60L	Stud	S442G	Screw (R,S)
G308GL	Gear	S485C	Screw (R,S,E)
N248G	Nut	S493D	Screw (R,S)
S442G	Screw	S550G	Vertical Shaft (R)
W711GL	Washer	S567C	Stud (R)
RK106	GEAR AND STUD ASSEMBLY (R,S)	S569A	Spring (R)
C192G	Collar	S570A	Spring (R)
C712GL	Oil Cup	S572C	Stripper (R)
G59L	Stud	S573C	Stud (R)
G134/279GL	Gear Assembly	S580E	Shoe (R,S)
LA306GL	Gear	S581E	Spring (R,S)
S442G	Screw	S706C	Screw (R,S)
S709GL	Screw	S870G	Shaft (R,S)
S710GL (3)	Screw	S871G	Shaft (R,S)
W320G (3)	Washer	S932G	Screw (R,S)
W711GL	Washer	S1032G	Shaft (R,S)
RK107	INTERMEDIATE AND MAIN DRIVE CONVERSION KIT (includes RK105 and RK 106 Conversion Kits)	S1033G	Shaft (R,S)
S100E	Screw (R,S,E)	S1036/1037E	Film Trap Shoes (S)
S106D	Screw (R,S)	S1048A	Screw (R,S)
S115A	Screw (R,S)	S1157E	Screw (R,S)
S122D	Screw (R,S)	S1159E	Screw (R,S)
S130E	Screw (R,S)	S1160G	Screw (R,S)
S132E	Screw (R,S)	S1250E	Support (R,S,E)
S145G	Screw (R,S)	S1259E	Film Trap Shoe (E)
S150C	Screw (R,S)	S1260E	Film Trap Shoe (E)
S151D	Screw (R,S)	S1279E	Screw (R,S,E)
S165C	Screw (R,S)	S1280E	Spring (R,S,E)
S177E	Screw (R,S)	S1338G	Screw (E)
S178D	Screw (R,S)	S1432G	Screw (R,S)
S181D	Screw (R,S)	SP672E	Aperture Plate (R,S) See Page 8
S192D	Screw (R,S)	W112G	Washer (R,S)
S248A	Screw (R,S)	W114G	Washer (R,S)
S309E	Film Shoe (R)	W118A	Washer (R,S)
S326E	Spring (R,S,X)	W124G	Washer (R,S)
S327E	Spring (R,S)	W125G	Washer (R,S)
S328E	Spring (R,S)	W140G	Washer (R,S)
		W160C	Washer (R,S)
		W306G	Washer (R,S)

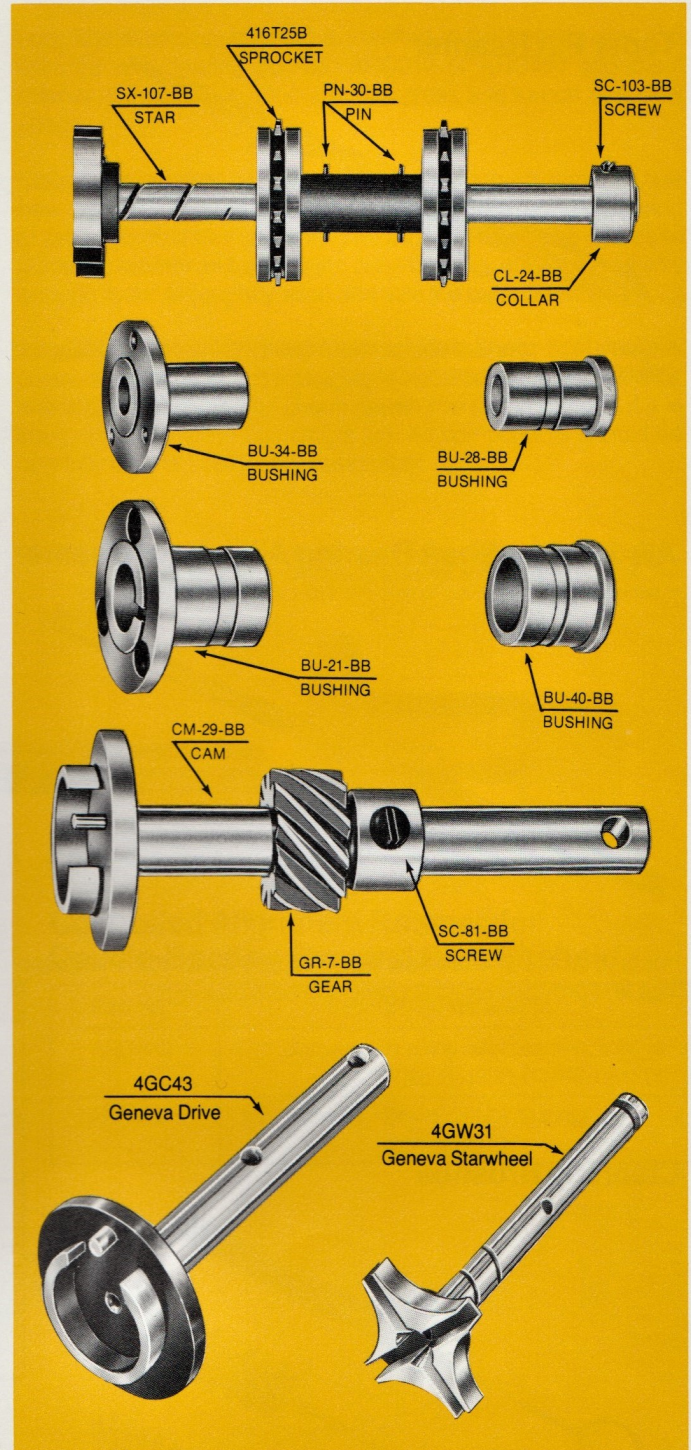
RK-106 Main Drive Gear Conversion Kit



LaVezzi Machine Works, Inc.

COMPONENTS FOR CENTURY PROJECTOR

LaVezzi Part Number	Description
BU21BB	Inner Cam Shaft Bearing
BU28BB	Outer Star Shaft Bearing
BU34BB	Inner Star Shaft Bearing
BU40BB	Outer Cam Shaft Bearing
BU645	Inner Star Shaft Bearing
BU646	Outer Star Shaft Bearing
BU712	Cam Shaft Inner Bearing
BU713	Cam Shaft Outer Bearing
CI-C21 ¹	Pad Roller Stud (Same as C12)
CL-24BB	Star Shaft Thrust Collar
CM29-BB	Intermittent Cam
4GC43 (CM528)	Intermittent Cam
CU18BB	Oil Cup
GA17BB	Intermittent Case Oil Gasket
GA20BB	Oil Sight Glass Gasket
GG19BB	Oil Sight Glass
GR7	Cam Shaft Gear, and Shutter Shaft Gear
MNR4-22 ¹	Pad Roller
NU10BB	Oil Sight Nut
PE5E ²	Aperture Plate
PE518E ²	Aperture Plate
PN30BB	Intermittent Sprocket Taper Pin
PN31BB	Cam Pin
PN32BB	Adjusting Pivot Pin
PN615	Cam Pin
RK-110 ¹	Roller Assembly
RK-110-2 ¹	Roller
RK-112 ¹	Roller Assembly
RK-112-2 ¹	Roller Stud
RK-113 ¹	Roller Assembly
RK-114-V ³	Intermittent Repair Kit
RK-115-V ³	Intermittent Repair Kit
R012A	Magazine Roller, Large, Steel
R013A	Magazine Roller, Small, Steel
R015A ¹	Pad Roller, (Order MNR4-22)
SC3BB	Flywheel Fastening Screw
SC81BB	Gear Fastening Screw
SC89D	Sprocket & Gear Fastening Screw
SC95D	Governor Weight Link Holder Screw
SC103BB	Star Shaft Collar Screw
SC104BB	Intermittent Case Cover Screw
SC105BB	Star Shaft Inner Bushing Screw
SC115A	Magazine Valve Holder Screw
SC128D	Shutter and Hub Fastening Screw
SC137D	Mounting Screw
SC143D	Main Drive Retaining Holder Screw
SC574G	Gear Fastening Screw
SK11DC ⁴	Upper Sprocket
SK12DC ⁴	Lower Sprocket
SK967 ⁴	Sound Sprocket
416T25B (SK1018) ⁴	Intermittent Sprocket
416T31B (SK1263) ⁴	Intermittent Sprocket
SX107BB	Starwheel, 1/4" dia. Shaft, use with 416T25B sprocket
LA1310	Starwheel, 5/16" diameter, use with 416T31B or 416TL31B Sprocket
4GW31 (SX1323)	Starwheel, Webbed, mates with 4GC43 Cam
7GW31 (SX-1476)	Starwheel, Webbed, mates with 4GC43 Cam



LaVezzi Part Number	Description
WA12BB	Oil Drain Washer (Copper)
WA65BB	Cover Fastening Screw Washer (Steel)

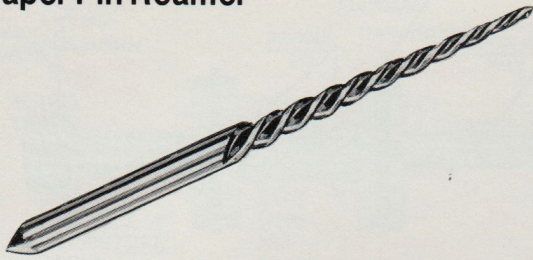
NOTES: 1. See rollers and studs details. Page 9
2. See aperture plate listing. Page 8
3. See intermittent repair kits. Page 7
4. See sprocket listing and description. Page 4 and 5



LaVezzi Machine Works, Inc.

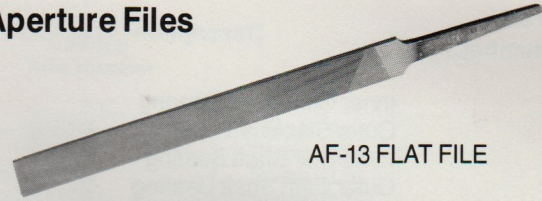
REPAIR TOOLS FOR PROJECTORS

Taper Pin Reamer

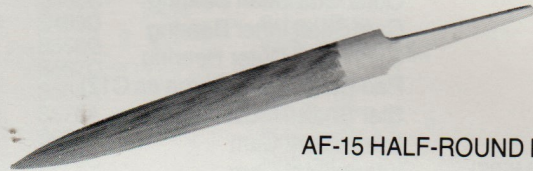


Helical, high-speed steel for intermittent sprocket 416T25B, and P350BB taper pins.

Aperture Files



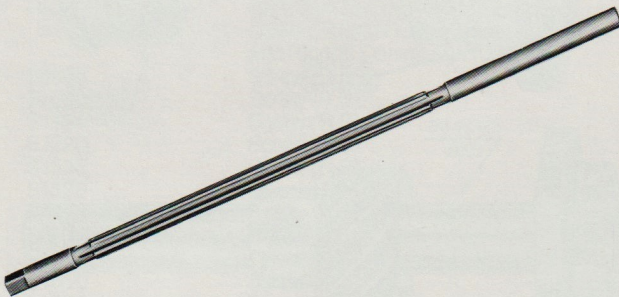
AF-13 FLAT FILE



AF-15 HALF-ROUND FILE

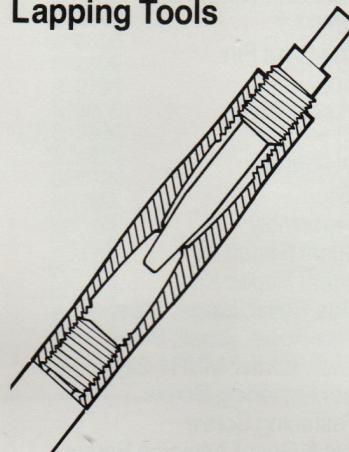
Specially selected for corrective filing of aperture plate openings. The flat file is ideal for most applications. The round file is used on concave curves. Both files work well and quickly.

AR-312 Star Shaft Bearing Alignment Reamer



For 5/16" dia. star shaft bearings. Properly sizes star shaft bearings and provides exact alignment to both bearings.

Adjustable Lapping Tools



Nominal Dia.	Part No.
1/4	L-17
5/16	L-21
3/8	L-25
7/16	L-29
1/2	L-33

Available for immediate delivery

Cleaning Brushes



For bearings in intermittent movements.

SMALL — For star shaft bearings

MEDIUM — For cam shaft bearings

LARGE — For flywheel shaft bearings

The unique patented design provides off-center pressure with the slight "give" that prevents danger of galling or seizing, even under the fastest cutting action.

D-M-E Flexolaps are instantly and accurately adjustable for fast cutting, and polishing. The longer cylinder lapping surface and easy adjustment insure greater precision and longer life. The Flexolap brass cylinder is made with a series of longitudinal slots milled "off-center" to permit sensitive expansion up to 15% under the pressure of the adjusting screw. This construction saves valuable time and permits lapping straight round holes.

Lapping Powder

Used with split laps, and for "grinding-in" gears. A dry powder abrasive, it should be mixed with cutting oil for best results. 1/2 pound containers only.

INTERMITTENT MOVEMENT REPAIR TOOLS

LaVezzi has instituted a series of repair kits and tools to speedily and precisely handle the critical sizing and alignment of the bearings on intermittent movement assemblies.

During the repair, overhaul, or conversion of an intermittent assembly—such as in the Simplex or Century projectors—it is critically important that the I.D. of the two bearings supporting the star shaft are in alignment with one another, and precisely fit the shaft. Any mis-alignment will bend or deflect the star shaft causing it to bind, rapidly wear the shaft and bearing, and distort the sprocket, resulting in a poorly projected screen image.

The repair kits, as described on page 7, consist of matched and mated parts with bearings individually fitted to the shaft. The I.D. of the outer star shaft bearing is undersize and is the only bearing not fitted to the shaft. The tool kits described here consist of an alignment reamer and a hardened-steel alignment bushing, which is dimensionally equivalent to the star shaft inner-bearing.

The assembly procedure is simple! The outer bearing provided in the kit is inserted in proper position and secured on the bearing

arm. The alignment bushing is inserted in the bearing arm and secured with bearing screws. ARC312 or ARC437 alignment reamer is mounted in a lathe or drill press and turned at a slow speed.

Once the alignment bushing and outer bearing are installed, the bearing arm is passed onto the reamer, with the reamer entering at the alignment bushing end. The alignment bushing serves to guide the reamer as it enters the outer bearing, and removes only enough metal to properly align and size the outer bearing.

After the alignment bushing is removed, the arm is thoroughly cleaned and the inner star bearing is installed and secured. Size and alignment should be checked with the star shaft; and if it is snug, it can be freed by using a lap. All components should be carefully cleaned before final assembly.

NOTE: Since the match between the alignment bushing and the reamer is critical, the bushings are individually fitted to a reamer and sold only as a set. The reamer should be ordered with a selection of bushings that are expected to be used.



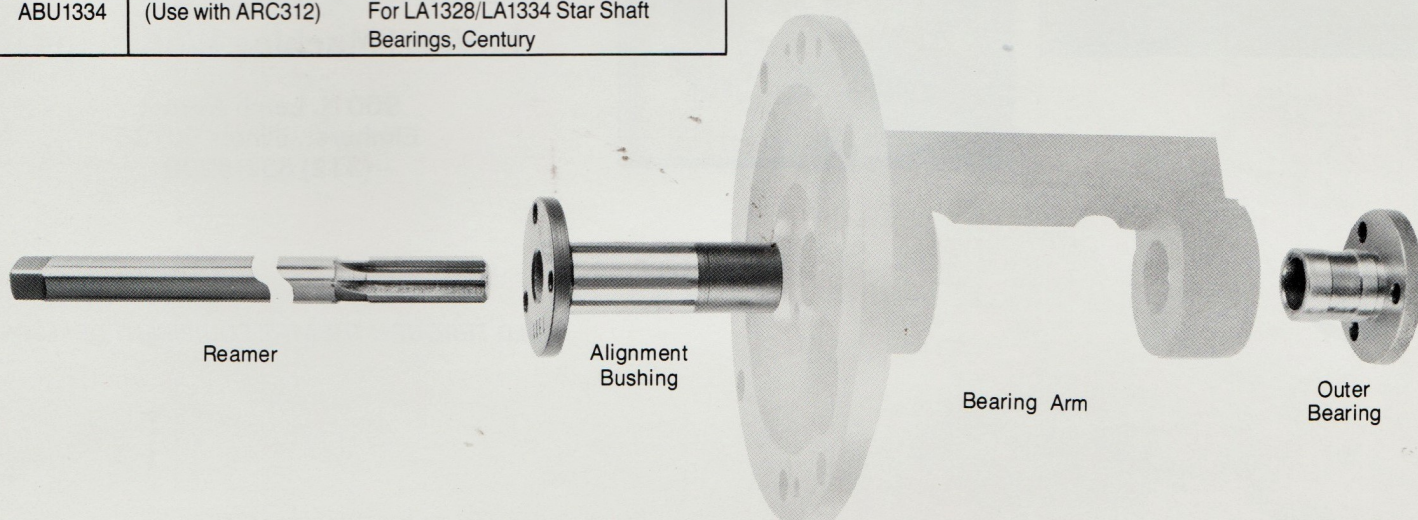
Alignment Bushings

Individually matched and fitted to either ARC312 or ARC437 reamers. Sold only with the reamer.

Part No.	Description/Application	
ABU21	(Use with ARC437)	For BU21/BU40 Cam Shaft Bearings, Century and for BU712/BU713 Cam Shaft Bearings, Century
ABU420	(Use with ARC312)	For B420/B519 Star Shaft Bearings, Simplex E-7
ABU645	(Use with ARC312)	For BU645/BU646 Star Shaft Bearings, Century
ABU1311	(Use with ARC312)	For LA1311/LA1312 Star Shaft Bearings, Super Simplex
ABU1334	(Use with ARC312)	For LA1328/LA1334 Star Shaft Bearings, Century

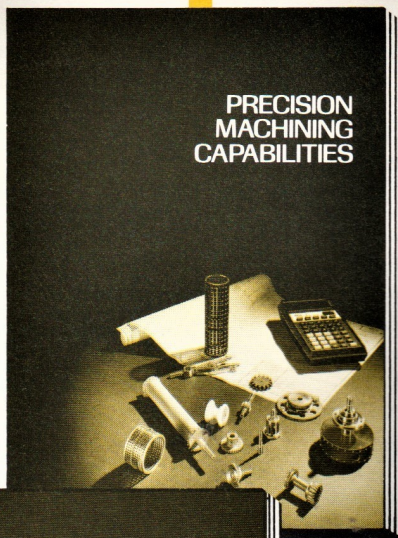
Controlled Alignment Reamer, for Double-Bearing Star and Cam Shafts

Part No.	Description/Application
ARC-312	5/16" diameter, for sizing outer bearings; such as BU28, B519BB, BU646, LA1312
ARC-437	7/16" diameter, for sizing outer bearings; such as BU40

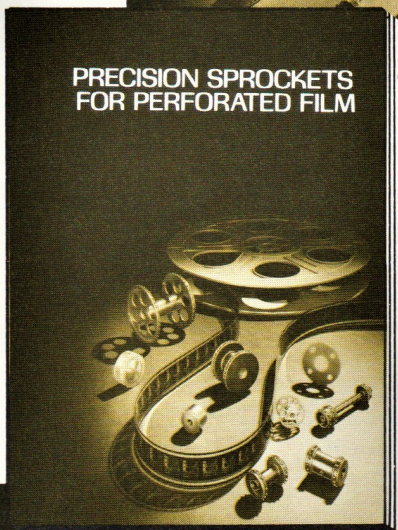


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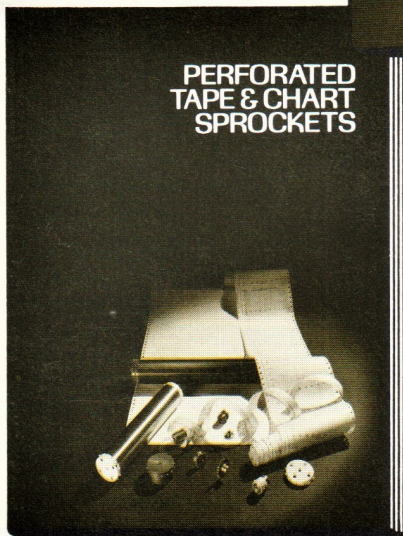
**PRECISION
MACHINING
CAPABILITIES**



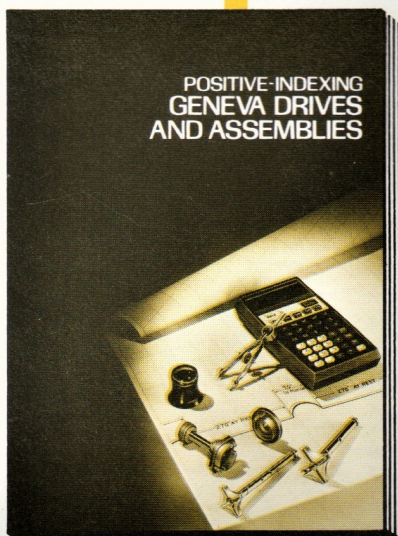
**PRECISION SPROCKETS
FOR PERFORATED FILM**



**PERFORATED
TAPE & CHART
SPROCKETS**



**POSITIVE-INDEXING
GENEVA DRIVES
AND ASSEMBLIES**



for the asking

For information on other standard LaVezzi products, or on contract manufactured parts, call or write for any of the following brochures:

Precision Machining: Components, Sprockets & Gears

Precision Sprockets for Perforated Film

Perforated Tapes & Chart Sprockets

Positive Indexing Geneva Drives and Assemblies



LaVezzi Machine Works, Inc.

900 N. Larch Avenue
Elmhurst, Illinois 60126
(312) 832-8990



SOLD THROUGH THEATRE EQUIPMENT DEALERS

LAVEZZI MACHINE WORKS, INC.

900 North Larch Avenue, Elmhurst, Illinois 60126

312/832-8990 (Telex 910-254-0459) (Cable Code "LaVezzi" Elmhurst, IL)

Reference: Catalogs L70-2, L70-3, L70-6, L72-C

Effective: June 1, 1982

SPROCKETS

PART NO.	PRICE
VKF SPROCKETS	
(described in Catalog L70-6)	
416GL31B	\$32.00
Replaces:	
SK11 SK967	
SK12 S1283C	
W145D S1284C	
W146D P3784	
SK964 21432	
SK965	
416GL37B	32.00
Replaces:	
SN122 P3321	
SN123 P3322	
416CG37B 23681	
2906	
416GL50B	32.00
Replaces:	
416CG50B	
500H	
500HC	
424GL37B	46.00
Replaces:	
G1839	
G2332	
416TL31B	40.20
Replaces:	
BB47 G2330	
416T31B 2930	
SK1263	

SPROCKETS FOR BALLANTYNE SOUND

L4BS50	\$47.00
416GL50B	32.00
500H (order 416GL50B)	
500HC (order 416GL50B)	

SPROCKETS FOR HOLMES

263C	\$36.00
E1252C	30.00

SPROCKETS FOR EPRAD SOUND

416GL50B	\$32.00
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SPROCKETS FOR SIMPLEX SOUND

L3SS37	\$48.00
L4SS37	47.00
416GL37B	32.00
SN122C	25.50
SN123C	25.50
P3321 (order 416GL37B)	
P3322 (order 416GL37B)	

SCREW AND NUT FOR L2SP31, 416T31B OR 416TL31B

3615-1 Screw	\$.60
3615-2 Nut	1.00

PART NO.	PRICE
"CINEMASCOPE" NARROW-TOOTH SPROCKETS	
(described in Catalog L70-2)	
416CG25B, Hardened steel, 1/4" bore, set screw	\$26.50
416CG31B, Hardened steel, 5/16" bore, set screw	25.50
416CG37B, Hardened steel, 3/8" bore, set screw	25.50
416CG50B, Hardened steel, 1/2" bore, set screw	26.50
416DG31M, Intermittent, hard coated aluminum, 5/16" bore, screw and nut	52.50
416T25B, Intermittent, steel, 1/4" bore, two taper pins	35.00
416T31B, Intermittent, steel, 5/16" bore, screw and nut	35.00

REGULAR WIDE-TOOTH SPROCKETS**Pre-CinemaScope**

(described in Catalog L70-2)

These are to be used only with films having KS1870 or DH1870 perforations and are not suitable for CS1870 perfs.

416C25D, Non-magnetic stainless steel, 1/4" bore	\$32.00
416C31F, Stainless steel, 5/16" bore	29.50
416C37F, Stainless steel, 3/8" bore	29.50
416C50F, Stainless steel, 1/2" bore	30.50

POSI-TROL SPROCKETS

(described in Catalog L70-2)

These are to be used only with films having KS1870 or DH1870 perforations and are not suitable for CS1870 perfs.

L2SP31	\$54.00
L3CP31	48.00
L3RS37	48.00
L3SP31	48.00
L3SS37	48.00
L3XL37	60.00
L4BS50	47.00
L4CS31	47.00
L4SS37	47.00

SPROCKETS FOR RCA SOUND

L3RS37	\$48.00
416GL31B	32.00
416GL37B	32.00
21432C	25.50
23681C	25.50

FILM ROLLERS

MNR4-22 Nylon pad roller	\$ 2.50
MNR4-25 Nylon pad roller	3.00
SOR4-22 Steel/Oilite pad roller	15.00
RK110-2 Delrin guide roller	2.25

SOLD THROUGH THEATRE EQUIPMENT DEALERS

All prices are per piece, unless specified otherwise.
Prices are subject to change without notice.

Certain items are limited to existing supply and
subject to discontinued production thereafter.

PARTS FOR SIMPLEX

PART NO.	PRICE	PART NO.	PRICE	PART NO.	PRICE
A8	\$10.50	E94	\$22.00	K150E	\$ 5.50
A16	6.50	G35	70.00	L112D	.50
A30	50.00	G42	110.00	L161CL	(order C25L)
A192BB	137.00	G59L	41.00	LA306G	23.50
B106G	5.00	G60L	41.00	LA306GL	24.00
B246BB	34.00	G64	89.50	LA307G	23.50
B246BB-O (OILITE)	90.00	G65	89.50	LA1310	121.00
B262G	7.00	G73	76.00	LA1311	17.50
B297E	27.00	G87	67.10	LA1311-O (OILITE)	46.00
B323BB	15.00	G92	(order LAG92)	LA1312	14.00
B419BB	29.00	G111G	10.00	LA1313	2.50
B420BB	35.00	G116G	16.50	LAG92	31.50
B421BB	(order B519BB)	G125E	1.15	LAGG5	125.00
B463BB	21.00	G126E	5.70	MNR4-22	2.50
B482BB	15.50	G134G	20.00	MNR4-25	3.00
B484BB	23.00	G134/279GL	90.00	N171BB	(order BB30)
B484BB-O (OILITE)	36.00	G185BB	24.00	N204BB	3.00
B519BB	29.50	G186BB	10.25	N204BBS (small)	3.00
BB27	38.00	G187BB	10.25	N227E	1.00
BB28	69.00	G188BB	.50	N228E	1.00
BB30	40.00	G211G	.50	N230BB (N204BB)	3.00
BB31	1.15	G225BB	.50	N248G	7.50
BB36	89.00	G225BBS (small)	.50	N250BB	1.15
BB38	87.00	G226BB	.50	P100E	7.00
BB39	3.50	G226BBS (small)	.50	P121C	.50
BB40	143.00	G248G	21.00	P128G	1.15
BB42	(order 416T25B)	G249E	26.00	P160M	.50
BB45	73.50	G250E	26.00	P350BB	.90
BB47	(order 416T31B, or 416TL31B, or L2SP31)	G254G	103.00	P353BB (P121C)	.50
BB53	50.00	G258G	41.00	P359E	.75
BB57	6.50	G260BB (G186BB)	10.25	P360BB	2.75
BB66	1098.00	G261BB	.50	P445E	2.75
BB77	1098.00	G263BB	37.50	P554G	1.70
C12	7.50	G264BB (G187BB)	10.25	P607E (P121C)	.50
C16 (C12)	7.50	G265BB	.50	P608E	10.75
C25L	41.00	G268BB (G225BB)	.50	P609E	14.50
C127E	1.40	G278G	13.00	P655BB (P121C)	.50
C127EC	1.40	G279G	70.00	P672E through P672E-17	6.00
C192G	9.00	G282G	22.50	P687G	.50
C193G	5.50	G283G	14.20	P709G	6.50
C293BB	1.70	G297G	32.00	P867CL	2.50
C294BB	.75	G298G	22.50	P1577	169.00
C295BB	4.60	G299G	37.50	P1641	(order S326E)
C316G	2.50	G305G	23.75	P1645	(order S716E)
C375BB	207.00	G306G	(order LA306G)	P1646	(order S1530E)
C378G	5.00	G306GL	(order LA306GL)	P1673	(order W278E)
C470BB	2.00	G307G	(order LA307G)	P1678	(order S1279E)
C483BB	5.50	G308G	103.00	P1699	(order R290E)
C490G	3.50	G308GL	103.00	P1701	(order S762E)
C712GL	2.50	G338G	41.00	P1702	(order W198E)
D3	18.50	G1837	132.00	P1764	(order S181D)
D130BB	2.70	G2330	(order 416T31B, or 416TL31B)	P1912	(order P160M)
E3C	23.90	G2332	36.50	P2524	(order S1360BB)
E14	25.00	G2339	(order E73C)	P2746	(order S485C)
E30	31.50	G2478	(order E3C)	P2748	(order R161C)
E67L	39.00	G4148	(order 416DG31M)	P2932	(order S192D)
E72 through E72-17	5.50	G4453	(order RK110)	P3085	(order MNR4-22)
E73C	20.35	GG5	(order LAGG5)	P3291	(order R316E)
E78LC	20.00	H120G	16.00	P3297	(order R317E)
E78LSC	130.50	H121G	12.00	P3317	(order R160C)
E82	35.00	H226EL	47.00	P3601	(order S1530E)
E83	5.50	H226ELS	47.00	P3784	(order 416GL31B)
E85	13.00	H1503	(order S7056)	P3788	(order G125E)
E86	13.00	H1530	(order S145G)	P3789	(order G126E)
E87	17.00	H3405	(order W330E)	P4373	(order G187BB)
		K130BB	12.00	P7117	(order MNR4-22)

PARTS FOR SIMPLEX

PART NO.	PRICE
R52	\$ 3.00
R160C	10.50
R161C	12.50
R214E	9.00
R246E	12.50
R290E	9.00
R311E	.50
R316E	3.30
R317E	1.10
RK103V	419.00
RK105	164.00
RK106	176.50
RK107	340.50
RK108V	453.00
RK110	19.00
RK110-2	2.25
RK112	24.00
RK112-2	3.60
RK113	24.00
S100E	.80
S106D	.50
S115A	.50
S122C	.50
S130E	.50
S132E	.50
S145G	.60
S150C	.50
S151D	.70
S165C	.50
S177E	.50
S178D	.50
S181D	.75
S192D	.50
S248A	.50
S309E	16.75
S326E	2.50
S327E	2.00
S328E	4.75
S357G	2.65
S432E	.50
S436G	.50
S437G	.50
S442G	.50
S485C	1.25
S493D	1.15
S550G	22.50
S567C	6.60
S569A	4.00
S570A	4.00
S572C	5.00
S573C	5.50
S580E	3.00
S581E	4.75
S665E (S1530E)	1.30
S705G	.50
S706C	4.50
S709GL	6.00
S710GL	.50
S716E	.50
S724BB	.50
S725BB	.50
S726BB	(order BB27)
S728BB	.50
S729BB	.50
S731BB (LA1313)	2.50
S750BB	(order 416T25B)
S762E	.50

PART NO.	PRICE
S765BB (S724BB)	\$.50
S866C	3.00
S866CL	4.00
S870G (S550G)	22.50
S871G	15.00
S873CL	.50
S874C	3.20
S932G	.50
S951BB	140.00
S1026D (S165C)	.50
S1031G	(order G35)
S1032G	30.00
S1033G	30.00
S1036/1037E per pair	34.00
S1048A	.70
S1082G	58.00
S1157E	.50
S1159E	.50
S1160G	15.30
S1250E	.50
S1259E	26.00
S1260E	26.00
S1279E	.50
S1280E	.50
S1283CC	(order 416GL31B)
S1284CC	(order 416GL31B)
S1310BB	121.00
S1334BB (S145G)	.60
S1338G	.50
S1360BB	.50
S1380BB (S248A)	.50
S1382BB (S729BB)	.50
S1432G	.50
S1442BB	.50
S1443BB	(order BB53)
S1447G	.50
S1479G	.50
S1511E (S716E)	.50
S1530E	1.30
SCSB3V	278.00
SOR4-22	15.00
SP672E through SP672E-17	7.00
W112G	.90
W114G	2.00
W118A	.75
W124G	3.50
W125G	3.00
W140G	2.00
W145D	(order 416C31F, or 416GL31B, or L3SP31)
W145DC	25.50
W146DC (W145DC)	25.50
W160C	1.50
W191BB	66.00
W198E	.50
W232BB	.50
W278E	.50
W286BB (G226BB)	.50
W294BB	.50
W306G	7.00
W320G	.50
W330E	.50
W332BB	.50
W711GL	.50

TOOLS FOR PROJECTOR SERVICING

PART NO.	PRICE
<u>REAMERS:</u>	
"A" Helical taper pin reamer for 416T25B sprocket	\$57.00
ARC312 Star shaft bearing alignment reamer 5/16" diameter	75.00
ARC312 Controlled alignment reamer, 5/16" diameter for star shaft bearings	54.00
ARC437 Controlled alignment reamer, 7/16" diameter for cam shaft bearings	60.00
<u>ALIGNMENT BUSHINGS:</u>	
ABU21 (Sold only with ARC437 reamer)	48.00
ABU420 (Sold only with ARC312 reamer)	42.50
ABU645 (Sold only with ARC312 reamer)	42.00
ABU1311 (Sold only with ARC312 reamer)	44.00
ABU1334 (Sold only with ARC312 reamer)	43.50
<u>APERTURE FILES:</u>	
AF13, Flat	12.50
AFC15, Half-round	22.00
<u>ADJUSTABLE LAPS:</u>	
L17, 1/4"	9.00
L21, 5/16"	10.00
L25, 3/8"	11.00
L29, 7/16"	12.00
L33, 1/2"	11.00
<u>LAPPING POWDER, 1/2 POUND:</u>	
LP325	6.60
<u>BEARING CLEANING BRUSHES:</u>	
BCB1111 small	3.00
BCB1112 Medium	3.00
BCB1113 Large	3.00
<u>INTERMITTENT SPROCKET/FILM TRAP</u>	
<u>ALIGNMENT GAGE:</u>	
AG-1	25.00

PARTS FOR CENTURY

PART NO.	PRICE	PART NO.	PRICE	PART NO.	PRICE
ABU21	\$48.00	MNR4-22	\$ 2.50	SC127	\$.50
ABU645	42.00	NU10 .(N204BB) . . .	3.00	SC128 .(S192D) . . .	.50
ABU1334	43.50	NU46	5.00	SC134	1.00
ARC312	75.00	NU81 .(3615-2) . . .	1.00	SC137 . . . . .	.50
ARC437	60.00	PA194	4.25	SC143 .(SC137) . . .	.50
BR643	17.50	PA195	3.00	SC155 . . . . .	.50
BU21	34.00	PE5E through		SC217	4.20
BU28	12.00	PE5E17	6.60	SC574 . . . . .	.50
BU34	25.00	PE38	4.20	SC708 . . . . .	.50
BU40	8.00	PE518E through		SC877 . . . . .	.50
BU645	31.00	PE518E17	6.60	SC1010 .(S729BB) . .	.50
BU646	15.00	PG159 .(P350BB) . . .	.50	SC1190 . . . . .	.50
BU712	15.00	PN30 .(P350BB) . . .	.90	SC1235 . . . . .	.50
BU713	44.00	PN31 .(P360BB) . . .	2.75	SC1322 .(3615-1) . .	.60
C1-BB11	11.00	PN32 . . . . .	.50	SG705 . . . . .	.75
C1-BB26	147.60	PN615	3.50	SH1811	6.00
C1-BB27	10.00	RK110	19.00	SK11DC	26.00
C1-BB28	23.00	RK110-2	2.25	SK12DC .(SK11DC) .	26.00
C1-C21 .(C12)	7.50	RK111-V	190.00	SK102 (order 416T25B)	
C1-LA32	118.00	(consisting of:		SK964 .(SK11DC) . .	26.00
*C2-G91	41.00	LA1310		SK965 .(SK11DC) . .	26.00
CL24 .(C295BB) . . .	4.60	LA1328		SK967 .(SK11DC) . .	26.00
CL530	7.50	LA1334		SK1018 (order 416T25B)	
CM29	91.00	416TL31B)		SK1263 (order 416T31B)	
CM528 (order 4GC43)		RK112	24.00	SK1480	134.00
CU18 .(C470BB) . . .	2.00	RK112-2	3.60	SK1482	123.00
CU658 .(C316G) . . .	2.50	RK113	24.00	SK1483 (order SK1482)	
GA17 . . . . .	.50	RK114V	368.00	SK1529 (order SK1482)	
GA20 .(G225BB) . . .	.50	RK115V	412.50	SOR4-22	15.00
GA181 . . . . .	.50	RO12 .(R161C) . . .	12.50	SP1326	2.50
GG19 .(G226BB) . . .	.50	RO13 .(R160C) . . .	10.50	ST1397	28.00
GR5	27.00	RO15 (order MNR4-22)		SX107 .(S951BB) . .	140.00
GR7	40.00	SA33	1.25	SX1323 (order 4GW31)	
GR8	38.00	SA1321	12.00	SX1476 (order 7GW31)	
GR10	38.00	SC3 . . . . .	.50	WA12 . . . . .	.50
GR207	38.00	SC7 . . . . .	.50	WA28 . . . . .	.50
*GR234	39.00	SC39	1.50	WA65 . . . . .	.50
GR302	38.00	SC69	2.75	WA126 . . . . .	.60
KN30	8.00	SC81 . . . . .	.50	WA151 . . . . .	.50
H1-BB30	1150.00	SC82 . . . . .	.50	WH124	64.00
H1-BB31	29.00	SC85 . . . . .	.50	4GC43	94.00
L2SP31	54.00	SC89 .(S248A) . . .	.50	4GW31	160.00
L3CP31	48.00	SC94 . . . . .	.50	7GW31	175.00
L4CS31	47.00	SC95 .(S437G) . . .	.50	416GL31B	32.00
LA1310	121.00	SC103 .(S177E) . . .	.50	416T25B	35.00
LA1328	14.00	SC104 .(S729BB) . .	.50	416T31B	35.00
LA1334	15.50	SC105 .(S724BB) . .	.50	416TL31B	40.20
		SC115 .(S485C) . . .	1.25		

*We recommend ordering C2G91 and GR234
as "matched sets"