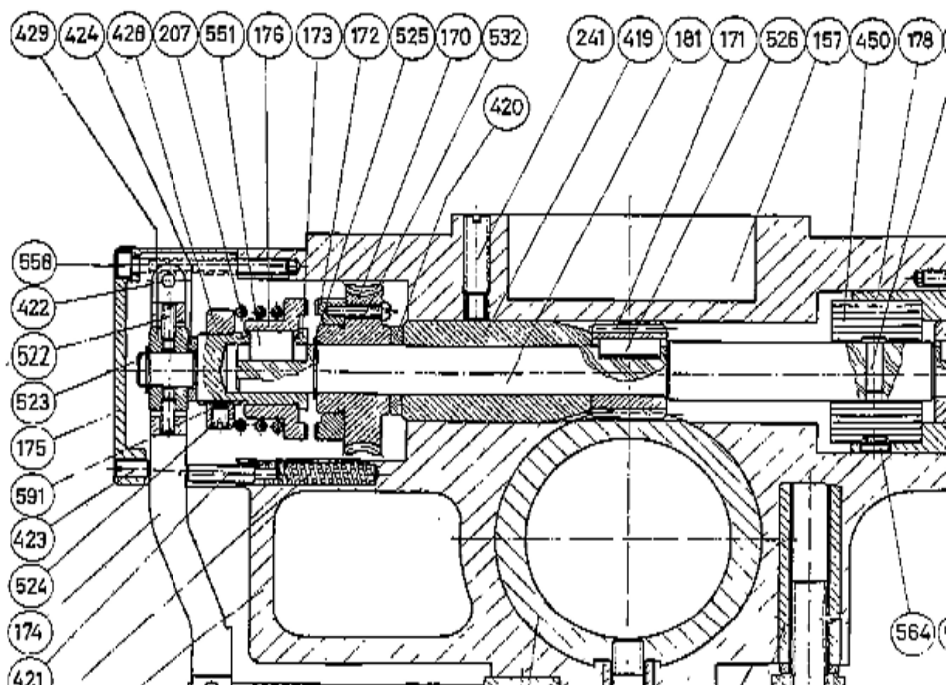
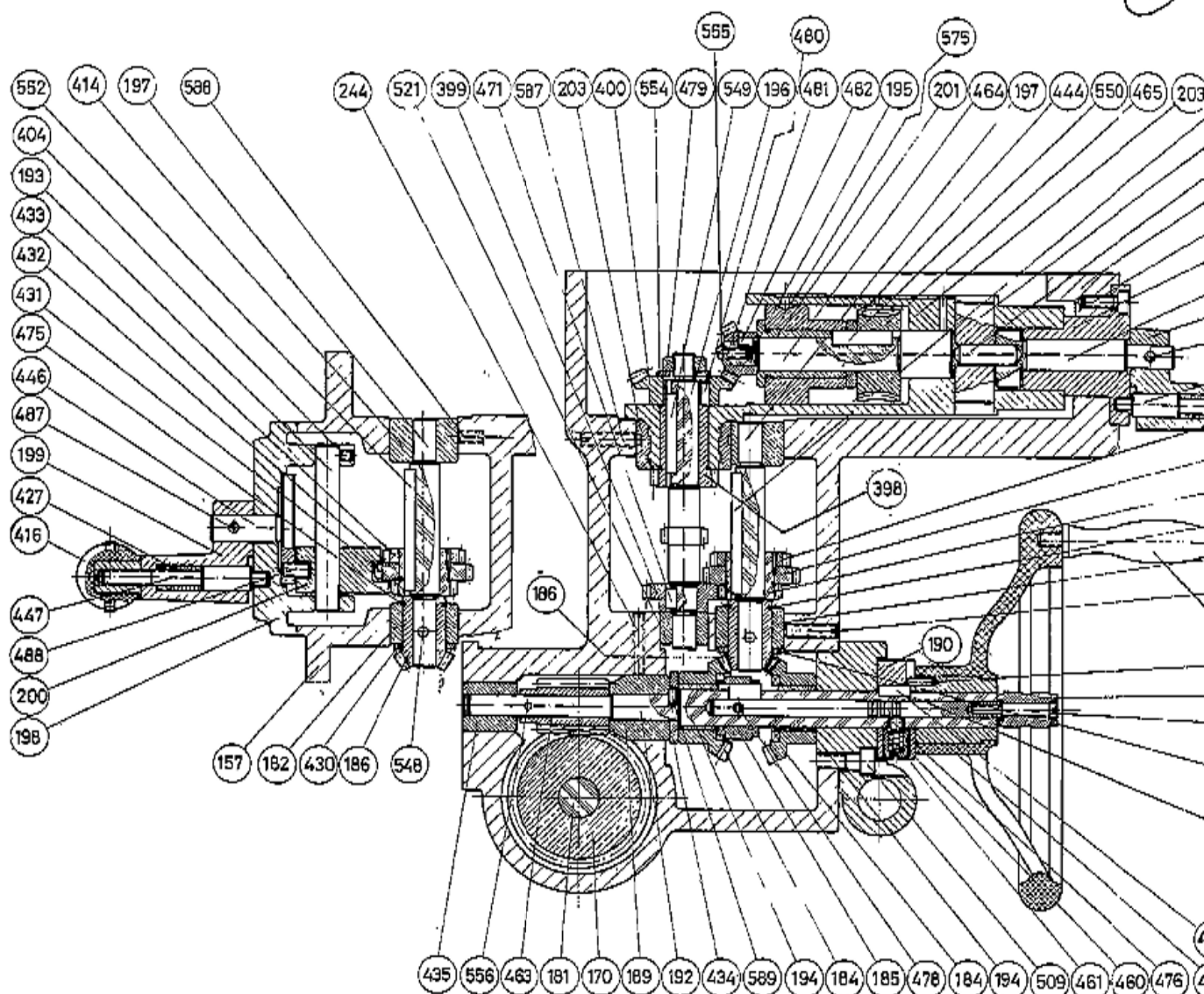
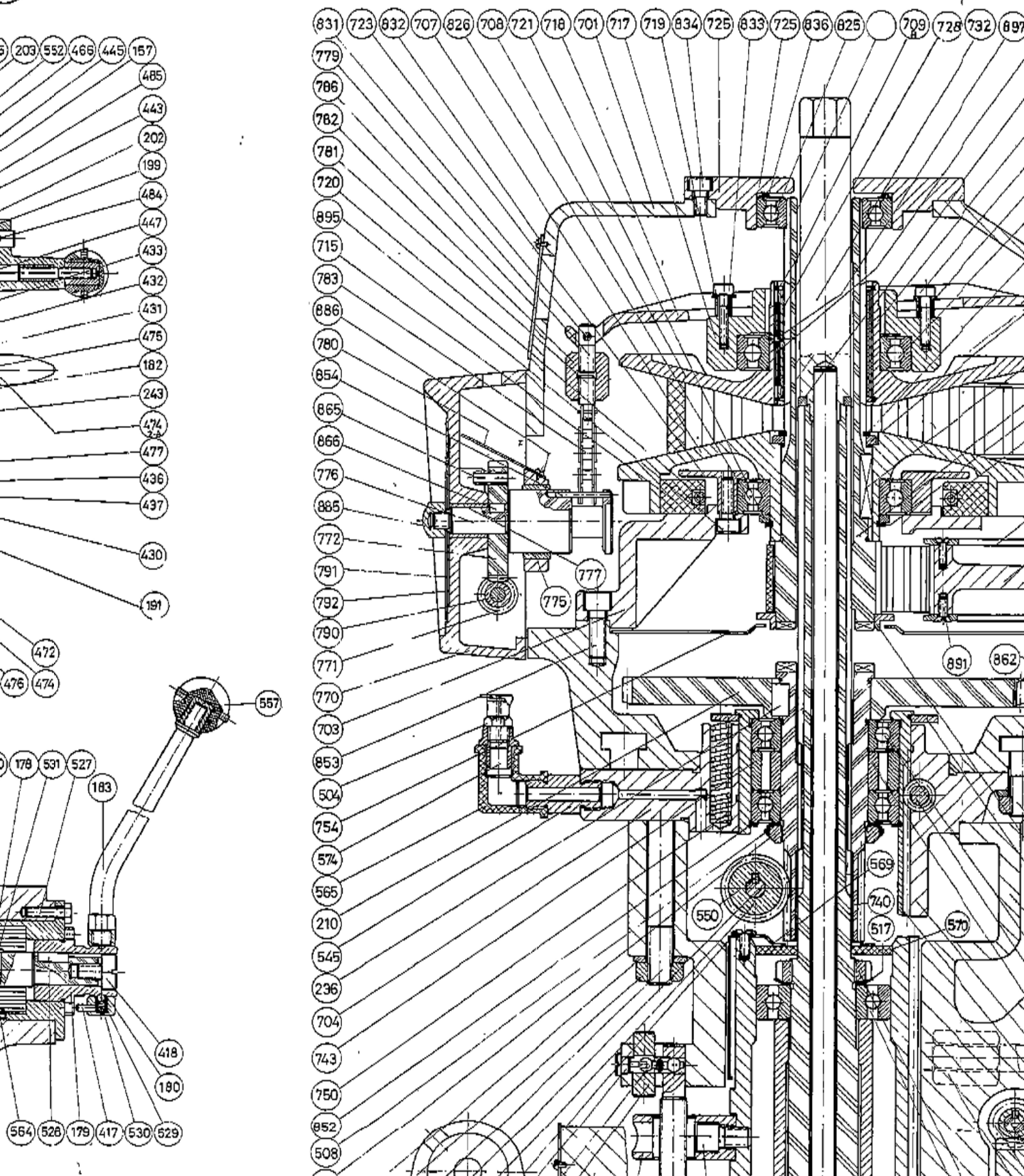
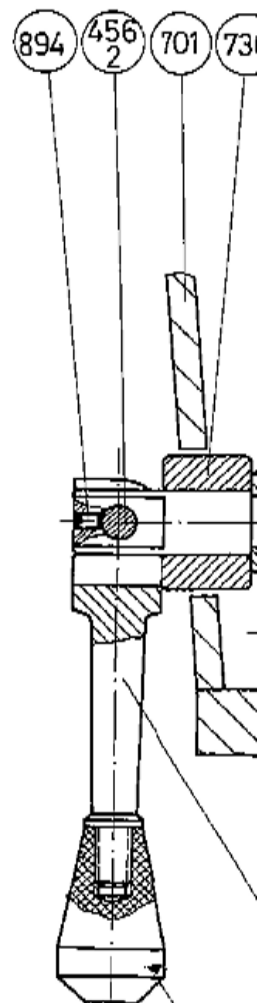
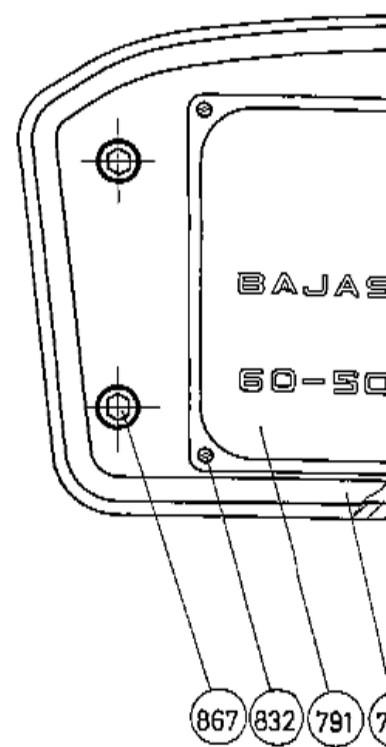
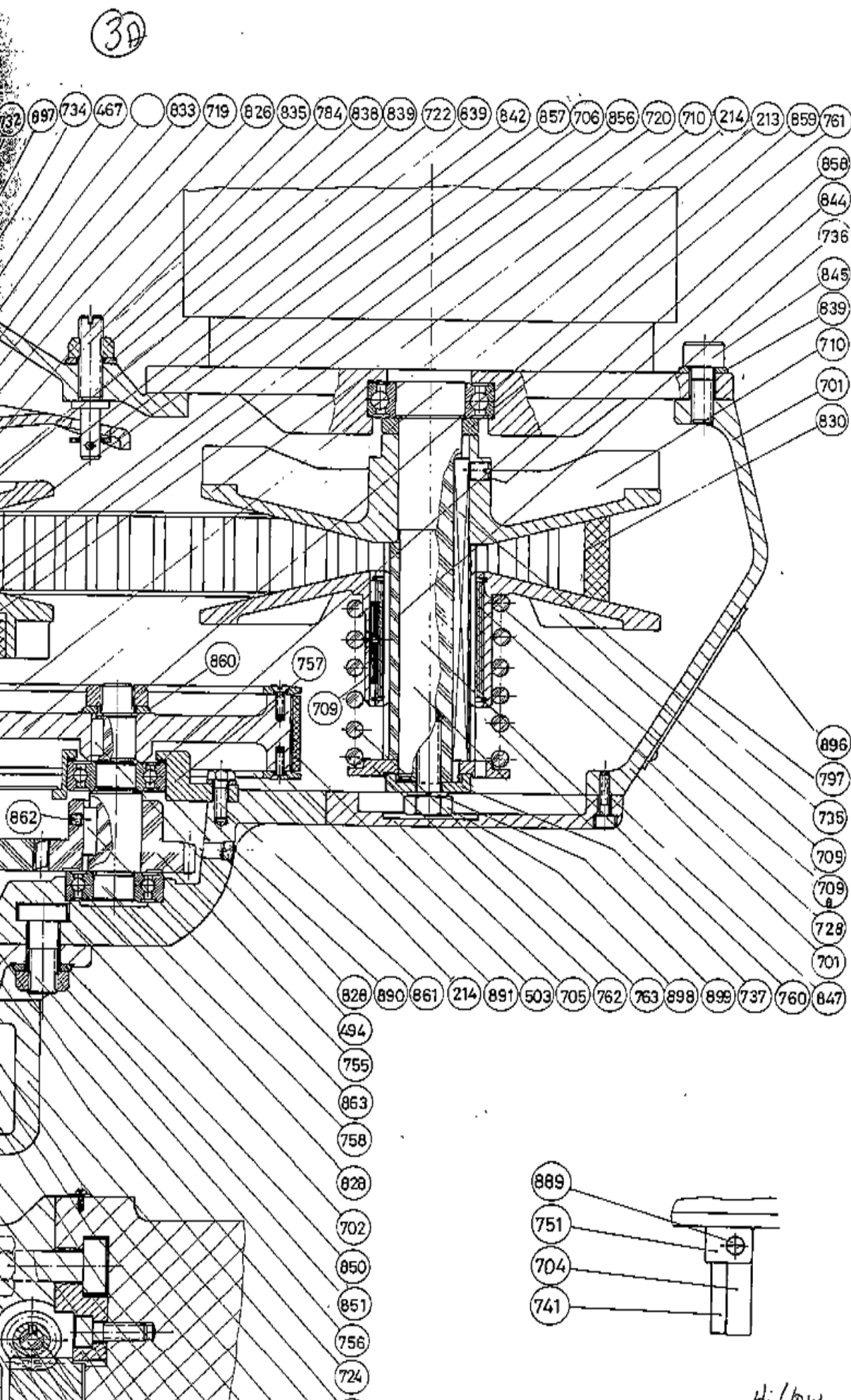
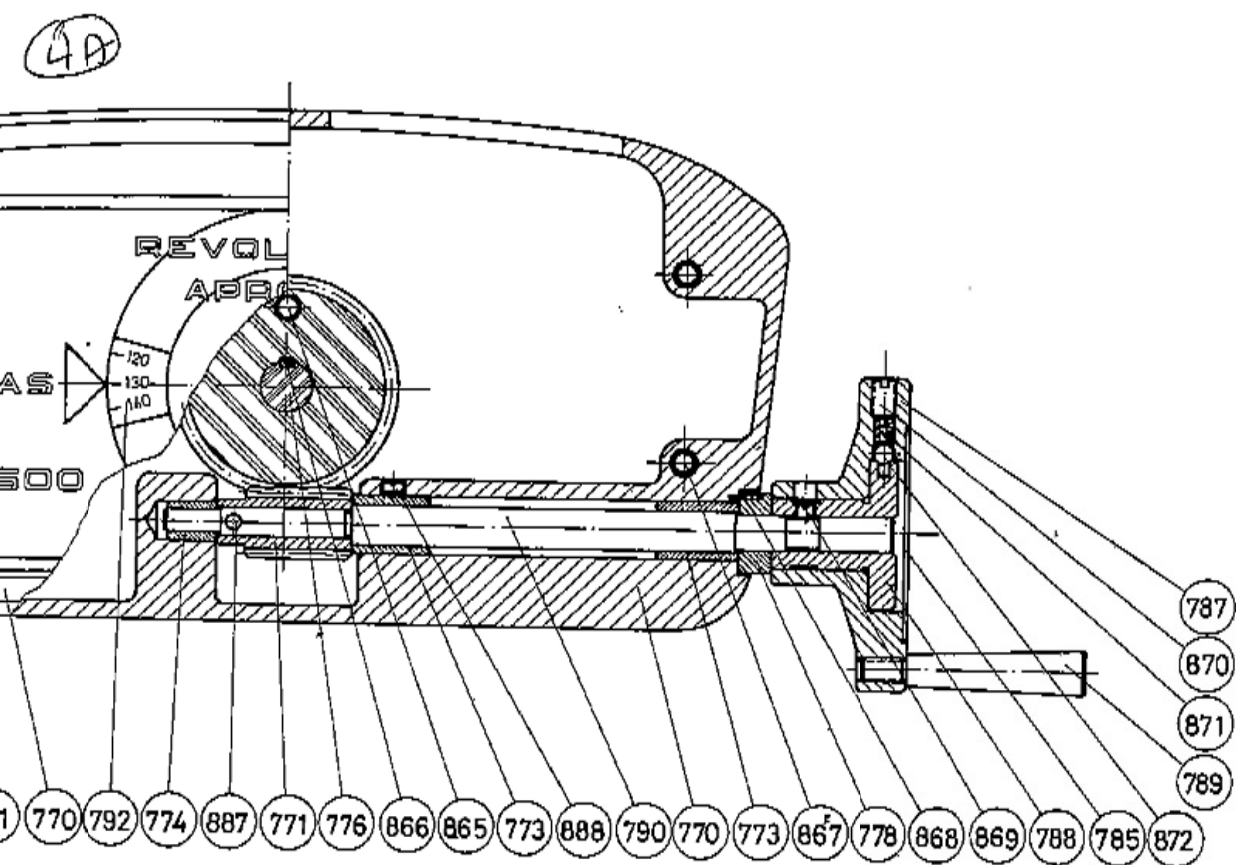




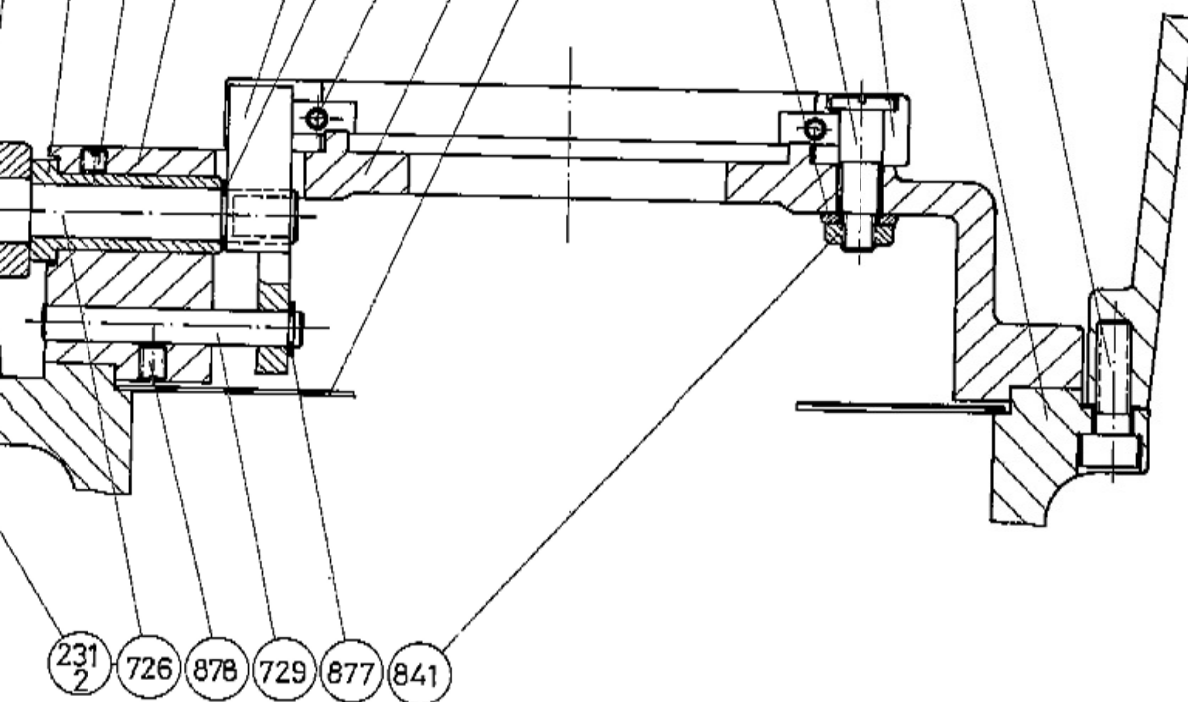
2A



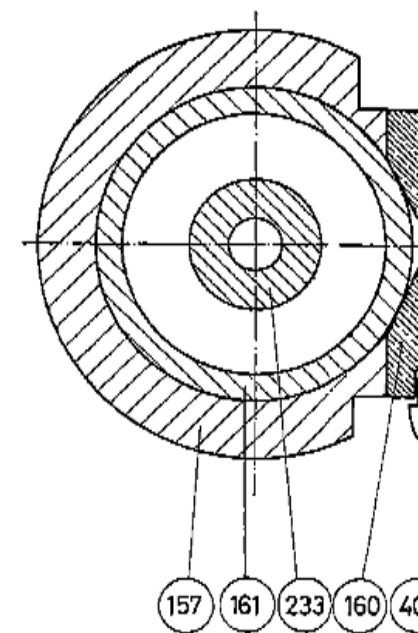
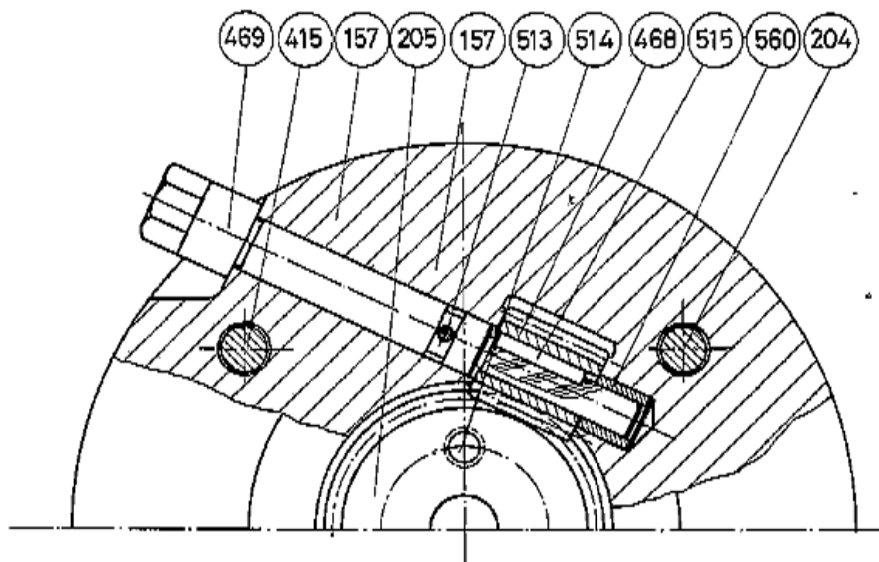
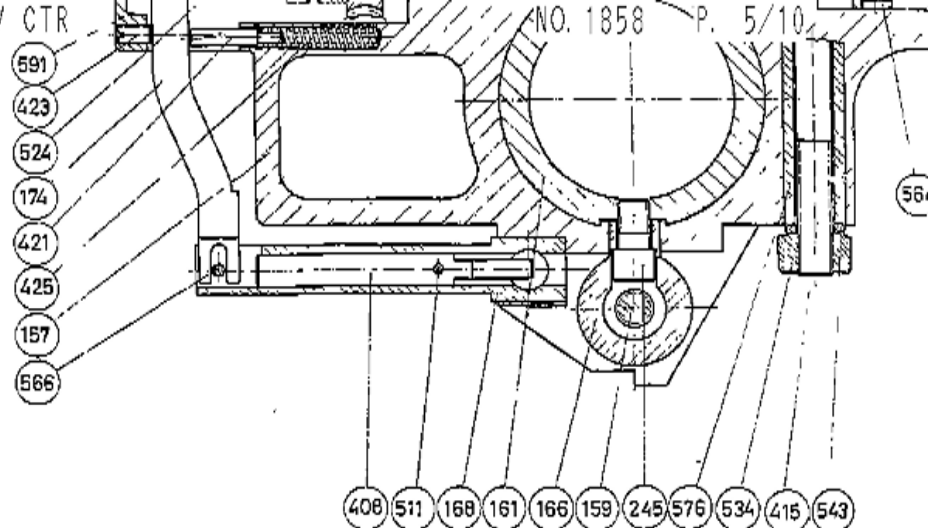




730 731 873 703 727 874 720 703 754 837 232
2 715 702 876



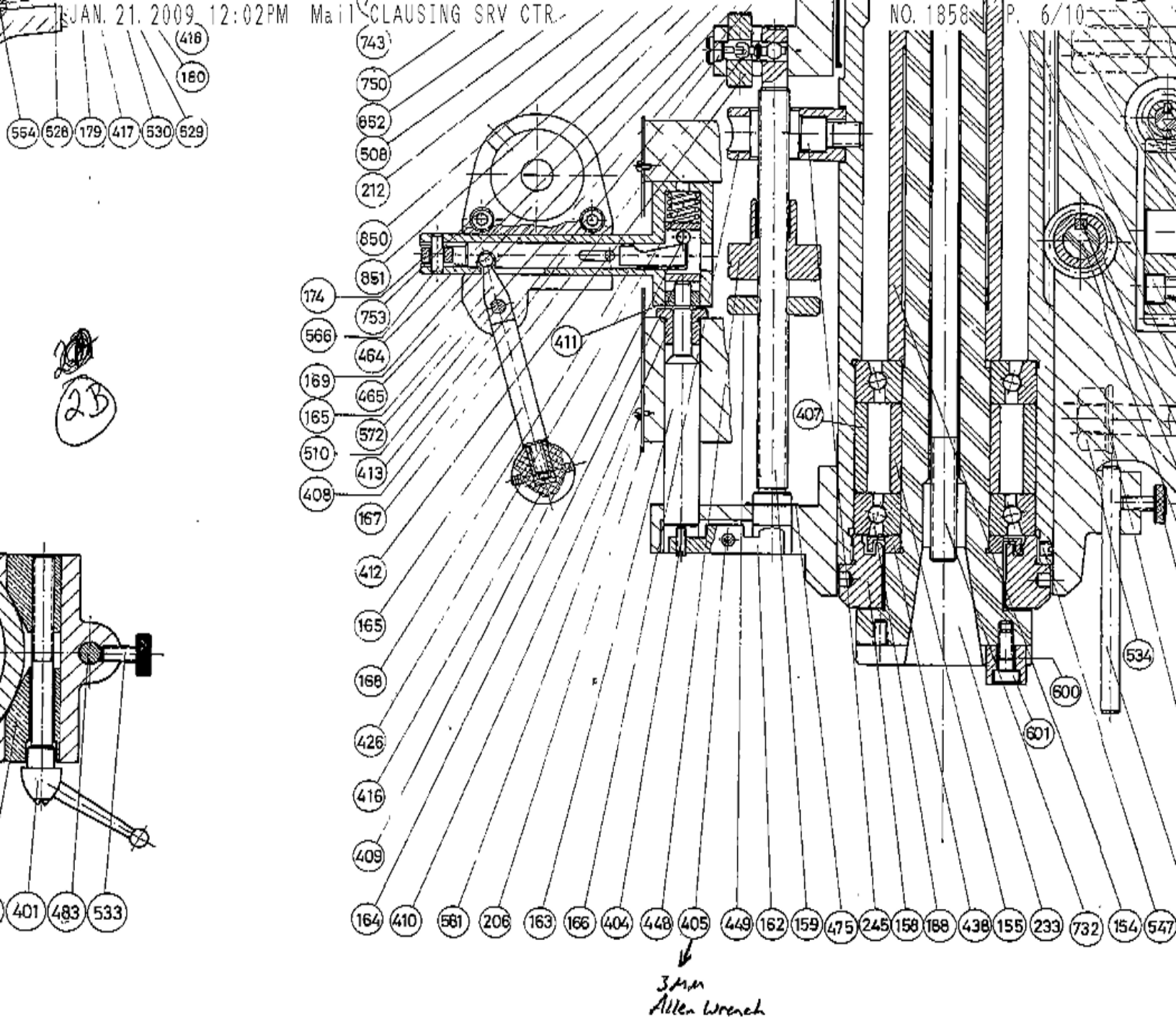
1B



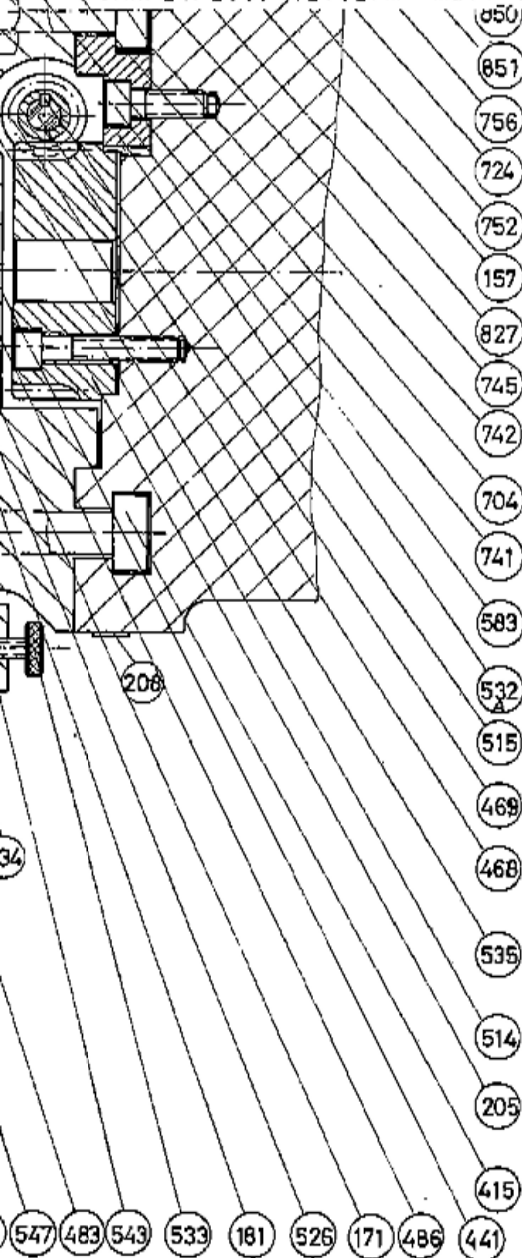
154-2 Sleeve
155-2 Sleeve
157-2 Quill housing
158-2-A Quill nosepiece
159-2-A Quill stop micro screw
160-2 Quill lock sleeve
161-2-A Quill
162-2-B Feed trip lever
163-2 Feed trip plunger
164-2-A Discharge piston
165-2 Trip handle
166-2 Quill stop knob
167-2 Reverse trip ball lever
168-2-A Cam rod sleeve assembly
169-2 Feed trip bracket
170-2 Overload clutch worm gear
171-2 Quill pinion
172-2 Overload clutch ring
173-2-A Overload clutch sleeve
174-2 Overload clutch trip lever
175-2 Clutch arm cover
176-2 Overload clutch
178-2 Spring cover
179-2 Pinion shaft hub sleeve
180-2-A Pinion shaft hub

191-2-A Reverse clutch rod
192-2-A Feed worm shaft
193-2-A Feed shift rod
194-2 Feed reverse bevel gear
195-2 Feed bevel pinion
196-2 Cluster gear input shaft
197-2 Cluster gear shaft
198-2 Cluster gear cover
199-2 Shift crank
200-2 Feed gear shifter fork
201-2 Feed worm gear shaft sleeve
202-2 Worm gear cladle throw-out
203-2-A Worm gear cradle
204-2 T-Bolt
205-2 Sprocket
206-2 Graduated scale
207-2 Safety clutch spring
208-2-1 Graduated area
210-2 Spindle bull gear
212-2 Castellated nut
213-2 Timing belt pulley
214-2 Timing belt pulley flange
231-2 Brake lock handle
232-2 Brake rotation screw

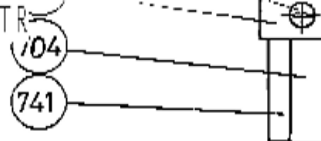
405-2 Special pin
407-2-A Bearing spacer
408-2-A Cam rod
409-2 Elastic pin
410-2 Trip plunger bush
411-2 Feed trip plunger
412-2 Feed reverse trip
413-2 Reverse trip ball
414-2 Cluster gear shaft
415-2 T-bolt
416-2 Black plastic ball
417-2 Anchorage nozzle
418-2 Pinion Shaft Hub
419-2 Quill pinion shaft
420-2 Pinion shaft worm
421-2 Overload clutch le
422-2 Dowel pin
423-2 Allen setscrew RM
424-2 Overload clutch w
425-2 Compression spring
426-2 Compression spring
427-2 Compression spring
428-2 Overload clutch lo
429-2 Clutch ring
430-2 Washer



444-2	Worm gear spacer	494-2	Key 5 x 5 x 26	555-2	
445-2	Dowel pin	503-2	Timing belts	556-2	
446-2	Cluster gear shift crank	504-2	Gits oil cup	557-2	
447-2	Anchorage shaft	508-2	M3 Washer	558-2	
448-2	Micrometer nut	509-2	Allen screw RM 6x18	560-2	
449-2	Quill mlero stop nut	510-2	Conical pin	564-2	
450-2	Clock spring	511-2	Conical pin	565-2	
456-2	Lever shaft	513-2	Special setscrew	566-2	
460-2	Spring setscrew	514-2	Allen screw H 8x40	569-2	
461-2	Spring	515-2	Key 4x4x25	570-2	
463-2	Boston Worm	517-2	M8 washer	571-2	
464-2	Feed drive worm gear shaft	521-2	Bearing	572-2	
465-2	Feed drive worm gear	522-2	Special setscrew	574-2	
466-2	Feed engage pin	523-2	Elastic ring Ø E-10	575-2	
467-2	Drawbar washer	524-2	Setscrew RM 6x8	576-2	
468-2	Worm gear	525-2	Elastic ring Ø E-15	579-2	
469-2	Worm shaft	526-2	Key 5x5x20	581-2	
471-2	Key 4x4x7.5	527-2	Hexagonal Head Screw RM 5x20	583-2	
472-2	Key 5x4x12	528-2	Key 5x5x16	587-2	
474-2	Handwheel	529-2	Steel ball Ø 5	588-2	
474-2-A	Handwheel handle	530-2	Spring	589-2	
475-2	Elastic ring E-16	531-2	Nozzle	591-2	
476-2	Steel ball Ø 5	532-2	Round head screw RM-4x18	600-2	
477-2	Conical pin	532-A-2	Adjustment key	601-2	
478-2	Elastic pin Ø 4	533-2	Pig fastener	701-10	



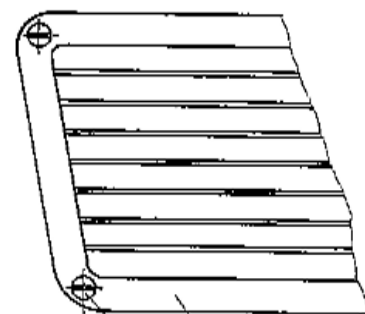
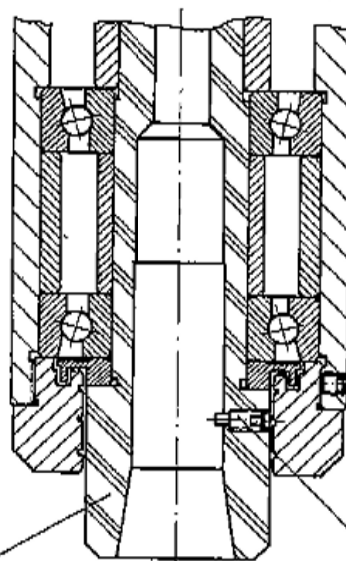
3B

Hi/Low
Bracket

Fixed hold

Adj-
hole

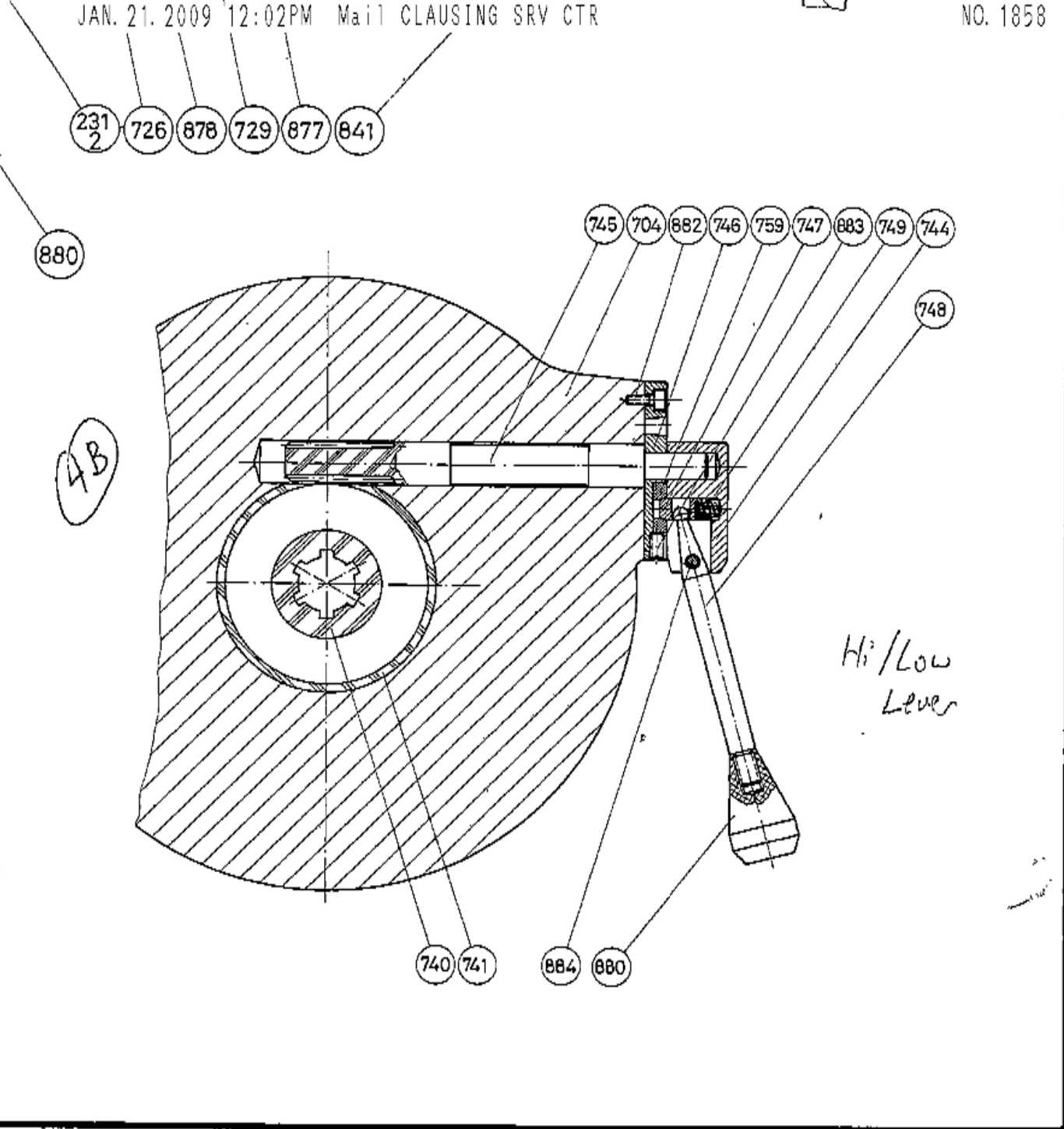
746 759 882 883

SPDL-RB
spindle Assy

2 Special ring
2 Conical pin
2 Bakelite ball Ø 35 RM-8
2 Allen Screw RM 5x45
2 Sleeve
2 Setscrew
2 Aluminium elbow
2 Conical pin
2 Steel felt
2 Felt washer
2 Quill skirt
2 Washer
2 Greasing sleeve
2 Sleeve
2 Sleeve
2 Washer
2 Rivet
2 Allen screw
2 Setscrew
2 Setscrew
2 Pin
2 Washer
2 Hauling key
2 Allen screw M 6x15
2 Belts cover
2 Gear

717-10 Drive pan
718-10 Balancing beam
719-10 Balancing beam bushing
720-10 Traction springs
721-10 Main pulley ring
722-10 Pulley fastening ring
723-10 Cover for main spindle bearing
724-10 Clutch ring
725-10 Upper cover of framework
726-10 Shaft of brake operation
727-10 Brake cams
728-10 Splined bushing
729-10 Brake rotation bolt
730-10 Brake bushing
731-10 Brake shaft bushing
732-10 Fastening-draw bar
734-10 Key 5x4x4
735-10 Key
736-10 Splined shaft
737-10 Washer
740-10 Splined hear hub. *does not include 508-2 washer*
741-10 Sliding bearing box
742-10 Bushing
743-10 Spacing bushing
744-10 Lever hub

755-10 Driving gear
756-10 Square head screw
757-10 Cover
758-10 Gear shaft
759-10 Locking piece
760-10 Main motor
761-10 Motor bushing
762-10 Spring rest
763-10 Operating spring
770-10 Operating support
771-10 Wormgear
772-10 Gear
773-10 Bushing
774-10 Bushing
775-10 Operating shaft bushing
776-10 Operating shaft
777-10 Bushing
778-10 Ring
779-10 Pin
780-10 Metal sheet for air piping
781-10 Pin
782-10 Regulating nut
783-10 Chain
784-10 Regulating spindle
785-10 Warning plate



798-10 Grid
 825-10 FAFNIR bearing
 826-10 FAFNIR bearing
 827-10 FAFNIR bearing
 828-10 6203 2 RS Bearings
 830-10 "Continental" belt 20-85 type
 831-10 Elastic pin Ø 3
 832-10 PHILLIPS screws Ø 3
 833-10 ALLEN screws, RM-5x25
 834-10 ALLEN screws, RM-6x15
 835-10 Elastic ring E-38
 836-10 Wavy washer Ø 62
 837-10 Washer Ø 8
 838-10 Nut RM-10
 839-10 Washer Ø 10
 841-10 Nut RM-8
 842-10 Cotter (shear) pin Ø 3
 844-10 Allen setscrew RM-6x10
 845-10 Allen screws RM-10x25
 850-10 Washer Ø 12
 851-10 RM-12 nut
 862-10 Elastic ring I-68
 853-10 Allen screw RM-8x25
 854-10 Elastic pin Ø 3
 856-10 Elastic ring E-50

868-10 Elastic pin Ø 2x10
 869-10 Allen setscrew RM-5x5
 870-10 Allen setscrew RM-6x5
 871-10 Spring Ø 5x1
 872-10 Steel ball Ø 5
 873-10 Allen setscrew RM-6x10
 874-10 Elastic ring E-10
 876-10 Allen screw RM-8x25
 877-10 Elastic ring E-8
 878-10 Allen setscrew RM-6x10
 880-10 Tapered balls 25x40
 882-10 Allen screws RM-4x10
 883-10 Allen setscrew RM-5x10
 884-10 Cylindrical pin Ø 5x22
 885-10 Blind nut
 886-10 Screw RM-4x10
 887-10 Elastic pin Ø 3x12
 888-10 Allen setscrew RM-6x10
 889-10 Allen screw castellated head, RM-4x10
 890-10 Allen setscrew M-8x10
 891-10 Castellated screw M-4x12
 892-10 Castellated screw M-3x12
 894-10 Allen setscrew M-4x8
 895-10 Allen screw M-6x20
 896-10 Rivet

JAN. 21. 2009 12:02PM Mail CLAUSING SRV CTR		NO. 1858 P. 9/10	
154-2	Sleeve	191-2-A	Reverse clutch rod
155-2	Quill housing	192-2-A	Feed worm shaft
157-2	Quill nosepiece	193-2-A	Feed shift rod
158-2-A	Quill stop micro screw	194-2	Feed reverse bevel gear
159-2-A	Quill lock sleeve	195-2	Feed bevel pinion
160-2	Quill	196-2	Cluster gear input shaft
161-2-A	Feed trip lever	197-2	Cluster gear shaft
162-2-B	Feed trip plunger	198-2	Cluster gear cover
163-2	Discharge piston	199-2	Shift crank
164-2-A	Trip handle	200-2	Feed gear shifter fork
165-2	Quill stop knob	201-2	Feed worm gear shaft sleeve
166-2	Reverse trip ball lever	202-2	Worm gear cladle throw-out
167-2	Cam rod sleeve assembly	203-2-A	Worm gear cradle
168-2-A	Feed trip bracket	204-2	T-Bolt
169-2	Overload clutch worm gear	205-2	Sprocket
170-2	Quill pinion	206-2	Graduated scale
171-2	Overload clutch ring	207-2	Safety clutch spring
172-2	Overload clutch sleeve	208-2-1	Graduated area
173-2-A	Overload clutch trip lever	210-2	Spindle bull gear
174-2	Clutch arm cover	212-2	Castellated nut
175-2	Overload clutch	213-2	Timing belt pulley
176-2	Spring cover	214-2	Timing belt pulley flange
178-2	Pinion shaft hub sleeve	231-2	Brake lock handle
179-2	Pinion shaft hub	232-2	Brake rotation screw
180-2-A	Quill pinion shaft	233-2-C	Main spindle
181-2	Bushing	236-2	Cotter 10x8x15
182-2	Hollow head cap screw	241-2	Special setscrew
183-2	Feed reverse bevel gear	243-2	Allen special setscrew
184-2	Coupling	244-2	Allen special setscrew
185-2-A	Conical pinion	245-2	Allen special screw
186-2	Allen setscrew RM 6x15	398-2	Feed driving gear
187-2	Angular contact ball bearing	399-2	Feed drive gear
188-2	Bushing	400-2	Feed bevel gear
189-2	Hand wheel coupling	401-2	Quill lock bolt
190-2-A		404-2	RM 4x8 pin
		405-2	Special pin
		407-2-A	Bearing spacer
		408-2-A	Cam rod
		409-2	Elastic pin
		410-2	Trip plunger bushing
		411-2	Feed trip plunger bushing
		412-2	Feed reverse trip plunger
		413-2	Reverse trip ball lever screw
		414-2	Cluster gear shaft upper bearing
		415-2	T-bolt
		416-2	Black plastic ball handle 25 mm. d
		417-2	Anchorage nozzle
		418-2	Pinion Shaft Hub screw
		419-2	Quill pinion shaft bushing
		420-2	Pinion shaft worm gear spacer
		421-2	Overload clutch lever spring plunger
		422-2	Dowel pin
		423-2	Allen setscrew RM 6x20
		424-2	Overload clutch washer
		425-2	Compression spring
		426-2	Compression spring
		427-2	Compression spring
		428-2	Overload clutch locknut
		429-2	Clutch ring
		430-2	Washer
		431-2	Feed drive cluster gear
		432-2	Feed drive cluster gear (center)
		433-2	Feed drive cluster gear (upper)
		434-2	Washer
		435-2	Feed worm shaft bushing
		436-2	Reverse knob
		437-2	Handle screw
		438-2-A	Spindle dirt shield
		441-2	Castellated nut (KM)
		443-2	Shift sleeve

444-2	Worm gear spacer	494-2	Key 5x5x26	666-2	Special ring
445-2	Dowel pin	503-2	Timing belts	666-2	Conical pin
446-2	Cluster gear shift crank	504-2	Gits oil cup	557-2	Bakelite ball Ø 35 RM-8
447-2	Anchorage shaft	508-2	M3 Washer	558-2	Allen Screw-RM 5x45
448-2	Micrometer nut	509-2	Allen screw RM 6x18	560-2	Sleeve
449-2	Quill micro stop nut	510-2	Conical pin	564-2	Setscrew
450-2	Clock spring	511-2	Conical pin	565-2	Aluminium elbow
456-2	Lever shaft	513-2	Special setscrew	566-2	Conical pin
460-2	Spring setscrew	514-2	Allen screw H 8x40	569-2	Steel felt
461-2	Spring	515-2	Key 4x4x25	570-2	Felt washer
463-2	Boston Worm	517-2	MB washer	571-2	Quill skirt
464-2	Feed drive worm gear shaft	521-2	Bearing	572-2	Washer
465-2	Feed drive worm gear	522-2	Special setscrew	574-2	Greasing sleeve
466-2	Feed engage pin	523-2	Elastic ring Ø E-10	575-2	Sleeve
467-2	Drawbar washer	524-2	Setscrew RM 6x8	576-2	Sleeve
468-2	Worm gear	525-2	Elastic ring Ø E-15	579-2	Washer
469-2	Worm shaft	526-2	Key 5x5x20	581-2	Rivet
471-2	Key 4x4x7,5	527-2	Hexagonal Head Screw RM 5x20	583-2	Allen screw
472-2	Key 5x4x12	528-2	Key 5x5x16	587-2	Setscrew
474-2	Handwheel	529-2	Steel ball Ø 5	588-2	Setscrew
474-2-A	Handwheel handle	530-2	Spring	589-2	Pin
475-2	Elastic ring E-16	531-2	Nozzle	591-2	Washer
476-2	Steel ball Ø 5	532-2	Round head screw RM-4x18	600-2	Haufing key
477-2	Conical pin	532-A-2	Adjustment key	601-2	Allen screw M 6x15
478-2	Elastic pin Ø 4	533-2	Pin fastening screw	701-10	Belts cover
479-2	RM-8 nut	534-2	M 12 Nut (exagonal)	702-10	Gearbox
480-2	Key 5x3x9	535-2	M 12 special nut (exagonal)	703-10	Main spindle support
481-2	Screw round Head RM 4x12	543-2	Washers Ø 12	704-10	Support plate
482-2	Key 3x3x9	547-2	Setscrew	705-10	Down cover of framework (housing)
483-2	Indicator rod	548-2	Pin	706-10	Pulley shaft clutch
484-2	Conical pin	549-2	Key 4x4x30	707-10	Main spindle pulley
485-2	Allen screw RM 5x15	550-2	Key 4x4x22	708-10	Main sliding pulley
486-2	Bearing	551-2	Special key	709-10	Sliding motor pulley
487-2	Roll pin	552-2	Key 4x4x45	709-H-10	Ring
488-2	Conical pinn	554-2	Special ring	715-10	Main spindle brake

655-2	Special ring	717-10	Drive pan
556-2	Conical pin	718-10	Balancing beam
557-2	Bakelite ball Ø 35 RM-8	719-10	Balancing beam bushing
558-2	Allen Screw RM 5x45	720-10	Traction springs
560-2	Sleeve	721-10	Main pulley ring
564-2	Set screw	722-10	Pulley fastening ring
565-2	Aluminium elbow	723-10	Cover for main spindle bearing
566-2	Conical pin	724-10	Clutch ring
569-2	Steel felt	725-10	Upper cover of framework
570-2	Felt washer	726-10	Shaft of brake operation
571-2	Quill skirt	727-10	Brake cams
572-2	Washer	728-10	Splined bushing
574-2	Greasing sleeve	729-10	Brake rotation bolt
575-2	Sleeve	730-10	Brake bushing
576-2	Sleeve	731-10	Brake shaft bushing
579-2	Washer	732-10	Fastening-draw bar
581-2	Rivet	734-10	Key 5x4x4
583-2	Allen screw	735-10	Key
587-2	Set screw	736-10	Splined shaft
588-2	Set screw	737-10	Washer
589-2	Pin	740-10	Splined hear hub, <i>does not include 508-2 washer</i>
591-2	Washer	741-10	Sliding bearing box
600-2	Hauling key	742-10	Bushing
601-2	Allen screw M 6x15	743-10	Spacing bushing
701-10	Belts cover	744-10	Lever hub
702-10	Gearbox	745-10	Tooth change shaft
703-10	Main spindle support	746-10	Rotation plate
704-10	Support plate	747-10	Locking nozzle
705-10	Down cover of framework (housing)	748-10	Control lever
706-10	Pulley shaft clutch	749-10	Spring
707-10	Main spindle pulley	750-10	Clutch springs
708-10	Main sliding pulley	751-10	Guideways flanges
709-10	Sliding motor pulley	752-10	Drive ring
709-H-10	Ring	753-10	Pins
715-10	Main spindle brake	754-10	Protecting sheet