BEST & DONOVAN

MODEL "AS-6"
MULTI-PURPOSE BONE SAW

MODEL "AS-7"
JOWL SLICER

FEATURING :
"NEW" ERGONOMIC GRIP

PARTS AND SERVICE MANUAL

USDA APPROVED	CE

BEST & DONOVAN
5570 CREEK ROAD, CINCINNATI, OHIO 45242, USA
TOLL FREE: 1-800-553-2378 TEL.: 1-513-791-9180
FAX: 1-513-791-0925 CABLE: WEPCO

WARRANTY

Best & Donovan warrants the machine against defective parts & workmanship for six (6) months from date of factory shipment. In the fulfillment of its warranty, the sole obligation of Seller shall be to repair or replace, at its option F.O.B. its factory, shipping charges prepaid, and which after inspection by Seller are found to be defective. Buyer shall notify Seller of defect in writing, promptly upon discovery, within the warranty period. This warranty does not cover defects caused by corrosion or normal deterioration. It does not extend to consequential damage, loss or delay associated with a warranty defect and it does not cover any costs of labor, travel or other expenses associated with the repair or replacement of defective parts. Seller assumes no liability for product loss or other claims whatsoever arising out of the use or application of the machine in Meat Slaughtering/Processing operations, whether the machine is used alone or in conjoint use with other Meat Slaughtering/Processing Machines or Processes.
This warranty is voided if repairs, replacements or alterations are made by others without prior authorization by Seller. Notwithstanding the foregoing, Seller's warranty obligations with respect to any items not manufactured by Seller shall not exceed the obligations undertaken by the manufacturer thereof under express warranty to the Seller. This express warranty is in lieu of all other warranties of fitness of the machine for any particular purpose.

WARNING : Whenever you replace the blade or whenever your hands or any part of your body may come into contact with the blade, the tool must be disconnected from the power source to prevent accidental tool operation.

WARNING

ALWAYS EXERCISE CARE WHEN OPERATING OR PERFORMING MAINTENANCE, REPAIRS AND ADJUSTMENTS. Always disconnect air connector before attempting to work on the tool. Never allow any part of your person or any other person to be in the path of the blade when the tool is in operation.

WEIGHT : 6 lbs. 14 ozs.
AIR REQUIREMENT : 90 PSI MINIMUM REQUIRED FOR PEAK PERFORMANCE
NOTE : Use high volume quick disconnects. B&D - Male #6349078 & Female #6349075.

INSTALLATION

B & D recommends the installation 0f 3/4" Air filter-regulator-lubricator (part no. 6337793) as close to the flexible line connecting to the saw as possible. The flexible hose and fittings should be a minimum of 3/8" I.D.
For the best performance of the tool, a working pressure of 90 psi or more is recommended.
A Hanger needs to be installed for the non-use for the tool on the line. This will prevent damage from falling.

LUBRICATION

Air Oil - Use a high grade SAE #5 or #10 spindle oil set at approximately to 5 drops per minute. This setting is sufficient for proper motor lubrication through the production shift.
Flush the air motor with air oil after cleaning and leave hanging upside done out of contamination until needed for production. This practice will give more life to the motor, bearing and internal parts of the saw.

Planetary Gears - Using a high grade of approved USDA grease, lubricate the grease fitting (ref. no. 3 on the motor parts page) with two to three shots every eight (8) hrs. of operation.

Saw Head - Using same grease as above, lubricate the grease fitting (ref. no. 17) in the Head Housing (ref. no. 13) with two to three shots every eight hrs. of operation.

SERVICE INSTRUCTIONS

DO NOT squeeze tool or parts in a vise except as specified. Care must be used in their assembly and disassembly. When pressing bearings onto a shaft, press only on the inner race. When pressing a bearing into a bore, press on the outer race only.

NOTE : Ball Bearings that are shielded by the manufacturer are lubricated for life. DO NOT wash these bearings out with any type of solvent.

MAINTENANCE

Preventative maintenance is the first step of good maintenance. A periodic check should be made to replace worn parts and to inspect lubrication. A worn part replaced in time may save extensive repairs later.

THIS IS A PRECISION MACHINE made up of precision parts and should be handled with extreme care. DO NOT SQUEEZE MACHINE OR PARTS IN HOLDING DEVICE OR OTHERWISE MISUSE. To much pressure exerted in holding device may cause distortion of part. Be sure you have the correct tools and fixtures before assembling (or disassembling) this machine. When assembling (or disassembling) parts which have a press fit, apply pressure evenly to the parts. To assemble (or disassemble) bearings, the pressure should be applied to the face of the inner or outer race, whichever is adjacent to the matching part.

If this is not done, it will DAMAGE the bearing races making it necessary to replace them.

OPEN BEARINGS may be washed in only fresh clean solvent. Bearings should be washed in a container with a screened false bottom to prevent settling from being stirred up. After washing, blow solvent out of bearing with dry, clean air and repack with good grade bearing grease. DO NOT SPIN BEARING OR ALLOW IT TO SPIN WHEN BLOWING OFF SOLVENT. Do not attempt to wash a sealed or shielded bearing.

BEFORE DISASSEMBLING A MACHINE, the area around the work bench should be clean and free from metal chips and other foreign matter. It is a god practice to spread a clean cloth on the work bench to prevent the loss of small parts.

IT IS IMPORTANT that all parts are thoroughly cleaned and inspected before assembling. The slightest particles of dirt can create excessive run-out in spindle or out of square in the bearing mounting, causing vibrations and loss of speed, ultimately damaging the tool.

WHEN REPAIRS ARE NECESSARY, consult drawing containing part, for identification. When ordering repair parts, be sure to list Model Number, Part Number and Description of Part to assure prompt and accurate shipment of your order.

SAW BLADE MAINTENANCE

CAUTION : If a tooth should break off a blade while the tool is in operation, the operator or someone else could be injured. Always inspect blades for fatigue cracks, missing teeth or any other deformity that could cause problems or injury.

B & D recommends that when the saw blades are sharpened, the face be filed flat, the gullets rounded, and the teeth have .005 set per side - alternately. To neglect this will cause an overload on the motor and the tool will be subject to severe strain with resultant wear.

BLADE REMOVAL & INSTALLATION

WARNING : Make sure that the air is disconnected from the saw before attempting to remove the blade.

CAUTION : If at any time a Blade Gear Pin is bent, broke off, or missing DO NOT mount a blade onto the saw until the pins are correctly repaired. A missing pin could cause the tool to malfunction.

REMOVAL - Move Depth Guard (no. 34) out of the way on the "AS-6". Place a pin in one of the holes located in the blade and secure the pin against the lower part of the saw housing. Using the Dual Purpose Wrench (6357860) that came with the tool, unscrew the Blade Nut (no. 1) and remove the blade.
NOTE : The Blade Nut is right hand threads.

INSTALLATION - Place a saw blade onto the Gear (no. 10) making sure that the slots in the blade fit down over the pins sticking out of the Gear. Make sure that you hold the blade in place over the pins while screwing the blade nut (no. 1) down. Use the pin in one of the blade holes to brace it against the housing and tighten the blade down using the Dual Purpose Wrench.

REMOVAL OF PLANETARY GEARS & MOTOR

Unscrew Lock Screw (#6349869) ref. no. 12 on Motor Diagram; then, unscrew and remove Motor Adapter (#6345221) ref. no. 42. To remove the planetary assembly, grasp the end of the Drive Adapter (#6349803) ref. no. 41 or the threaded end of the planet cage and pull out the planetary assembly. To remove the motor assembly, grasp the end of the rotor and pull the motor out.

MOTOR DISASSEMBLY

To disassemble the motor, remove the Rear Bearing Plate (#6349875) ref. no. 16 and bearing by pressing on the rear of the rotor with an arbor press. The Front Bearing Plate (#6349881) ref. no. 22 can now be pressed off (be careful not to lose the rotor's spacer ref. no. 21).

MOTOR ASSEMBLY

Make sure that all parts are clean. Press pin, (no. 17) - if necessary - into Rear Plate, (no. 16). To correct for bearing tolerances, it is necessary to use shims to maintain correct clearances between the ends of the rotor and the bearing plates. Shim packet, (no. 23) contains a .001" shim and two .002" shims. Insert a .002 shim in the Front Bearing Plates pocket and install Ball Bearing (no. 24) into the Front Plate (no. 22). Also, install Ball Bearing, (no. 15) into the Rear Bearing Plate, (no. 16). Slip Spacer, (no. 21) onto the front of the rotor. Support the rotor on the *rear end* and assemble the front plate assembly onto the rotor by pressing on the bearing inner race.

Now hold the rotor in the left hand and the front end plate in the right hand. Apply an outward (pulling) pressure and observe the spacing between the end of the rotor and the bearing plate. This should be flush, not rubbing, to .002 maximum. *If the rotor rubs the bearing plate, reduce the spacing between the end of the rotor and bearing plate by removing the .002 shim entirely, or by substituting the .001 shim for the .002 shim. However, if there was more than .002 spacing between the end of the rotor and the bearing plate, then add .001 shim between the bearing and the bearing plate.*

Assemble Cylinder (no. 18) so that the inlet port will align with holes in the Rear Plate (no. 16). Insert the rotor blades (no. 19) into the rotor. Then, press on the Rear Bearing Plate (no. 16) - with bearing assembled - pressing on the inner race only. Press just enough to bring the bearing plate against the cylinder. There should be a slight drag between the bearing plate and the cylinder when these are moved with the fingers. Position the cylinder until the motor turns finger-free.

ASSEMBLE MOTOR INTO HOUSING

Be sure that the lock screw (no. 12) has been remover from the Motor Housing (no. 2) and that the Filter (no. 14) and Filter Retainer (no. 14) are installed in the bottom of the Motor Housing. Insert motor into housing.

PLANETARY GEAR DISASSEMBLY

Holding planetary in one hand, remove Rear Bearing (no. 27) by tapping rear end of Planet Carrier with a brass punch - NOTE : punch must be large enough so that it cannot enter into the open end of Carrier to damage gears. To remove the Drive Adapter (no. 41) from the Planet Carrier, hold the large diameter of the Carrier in soft vise jaws and unthread drive adapter (be sure that the carrier *does not turn* in vise and allow gears to touch vise jaws). Use an arbor press to press off front bearing (no. 34).
Pull planetary Shafts (no. 31) out of Planet Carrier. *NOTE : Normally, Needle Bearings (no. 28) - inside spur gears - will last the life of the spur gears. Replacement spur gears have needle bearings already pressed in.* If it is desired to replace the needle bearings only, *a pusher rod must be .249" (minus .005") in diameter. When pressing NEW needle bearings into spur gears, press ONLY on the TRADEMARK END of bearings.*

ASSEMBLING PLANETARY GEAR

Press Ball Bearing (no. 34) onto the threaded end of Planet Carrier until it seats. Thread on the Drive Adapter (no. 41)by holding the Carrier in soft vise jaws. *(Be sure to insert the Front Spacer no. 46, with the counterbore toward the Carrier, before threading on the Drive Adapter).* Push Planet Shafts into Planet Carrier and spur Gears until end of shafts are flush with carrier face. Insert Ring Gear (no. 33) over spur gears and planetary assembly. Notches in ring gear are to face the open end of the planet carrier. Press Rear Bearing (no. 27) until there is a slight drag between the ring gear and the two bearings.

PLACING PLANETARY GEAR INTO TOOL HOUSING

Insert Spacer (no. 26) on top of the motor. Insert Planetary Assembly into motor housing, keeping slot in ring gear lined up with threaded hole for Lock Screw (no. 12). Thread Lock Screw down until snug, then back off 1/2 turn.

ALIGNING THE FRONT HEAD

Clamp the Motor Wrench (no. 40) in a vise so that the saw can be placed in it in an upright position. Using a wrench that fits the flats on the Motor Adapter (no. 44), loosen the Adapter, counterclockwise till head is free to move.

NOTE : You will notice that by design the Motor Adapter will turn even though the Locking Sleeve is tightened up into the Front Head Housing. Make sure that the O-Ring (no. 43) is between the Locking Sleeve and the Motor Adapter.

Align the head to the position desired and tighten the Motor Adapter back down holding the head in place.

DISASSEMBLY OF FRONT HEAD

REMOVING ADAPTER PARTS

1. Clamp the Motor Wrench (no. 40) in a vise and set the saw upright in the wrench.
2. Remove the Motor Adapter (no. 44) by using the correct size wrench to fit the flats on the side. (Right Hand Threads).
3. Remove the Drive Coupling (no. 45).
4. Remove the Locking Sleeve (no. 42) using the locking Sleeve Wrench (6349846) provided with the tool.

REMOVING PINION ASSEMBLY

1. Remove the Blade Nut (no. 1), O-Ring (no. 2) & Blade (no. 27 or 41).
2. Invert the Head and place in soft jaws of a vise so that the Pinion Shaft (no. 24) is pointing upward.
3. Pinion Cartridge may be extracted by grasping the Pinion Shaft and pulling straight up and away from the Housing (no. 14).
4. Remove Snap Ring (no. 15) from the Pinion Shaft.
5. Remove the Pinion (no. 16)form the Shaft. Watch so the Key (no. 23) doesn't fall out.
6. Remove the Snap Ring (no. 25) from the large end of Sleeve (no. 18).
7. Separate Pinion Shaft (including Bearing no. 22), Bearings (no. 19), and Snap Ring (no. 20) from Sleeve (no. 18) by pressing on small end of Pinion Shaft through the Sleeve.

IMPORTANT NOTE : DO NOT USE HAMMER TO REMOVE SHAFT FROM SLEEVE.

8. Press off both Bearings (no. 19) from small end of Pinion Shaft.
9. Press off large Bearing (no. 22) from Pinion Shaft.

NOTE : INSPECT EACH PART AFTER REMOVAL & REPLACE IF WORN OR DAMAGED.

ASSEMBLING PINION GEARS

NOTE : WITH EXCEPTION LISTED BELOW, RE-ASSEMBLE IN REVERSE ORDER.

STEP 10. Before pressing Shaft (no. 24) back into Sleeve (no. 18) pack Food Grade Grease around Pinion Shaft between rear of Bearing (no. 19) and front of Bearing (no. 22). Insert Shaft into Sleeve and press on outer of Bearing (no. 22) till fully seated in Sleeve. Rotate shaft by hand. IT MUST TURN FREELY AND WITH NO BINDING. If resistance is felt, a slight pressure from the press devise may exerted on the square end of the Pinion Shaft until the Shaft spins freely.

STEPS 9,8, & 7 : When assembling Pinion & Shaft, fit Snap Ring (no. 15) into groove and against Pinion snugly.

NOTE : AT FINAL ASSEMBLY OF PINION TO SHAFT, BE SURE TO INCLUDE KEY (no. 23).

SETTING PINION TO BLADE GEAR

Follow assembly of Steps 6 & 5. After tightening the Locking Sleeve (no. 42 on motor exploded view) into the Housing check the distance between the under side of the blade gear shaft to the top of the pinion. This distance must be .507" plus or minus .002" and can be set by using pinion gauge #6345088. It may be necessary to remove the Pinion Cartridge to add or remove Shims (no. 17) to get the correct distance.

PINION ASSEMBLY CONTINUED

Follow assembly steps 3 to 1.

NOTE : Be sure to re-pack Food Grade Grease into Gear chamber through Grease fitting (no. 13) until grease is observed between Blade & Body Housing. Rotate Blade 180 degrees & grease again.

NOTE : Be sure to re-pack Food Grade Grease into bearing chamber of Main Gear (no. 7). Grease every 8 hours of operation by means of the Grease Fitting in the Blade Gear Cap (no. 4) and in the Housing Grease Fitting.

BLADE GEAR DISASSEMBLY

1. Remove Snap Ring (no. 3) from Saw Gear (no. 7).
2. Unscrew Cap (no. 4) with Wrench (6357860) provided with the tool and remove Screw (no. 5). Watch so that the Spacer (no. 8) doesn't fall away.
3. Remove the Blade Gear (no. 7) from the Shaft (no. 12) with an upward pull.
4. If the Shaft (no. 12) needs removal take the three (3) screws (no. 11) out and the shaft comes out the backside of the housing.
5. Tap out the Bearings (no. 6) & Spacer (no. 9) from the Gear.
6. Inspect and replace any worn or broken parts.
7. Re-assemble in opposite order as above.

PART ASSEMBLIES AVAILABLE

6349859	AIR MOTOR COMPLETE (INCLUDES PARTS 2 through 34)
6349848	FRONT HEAD ASSEMBLY (INCLUDES PARTS 3 through 25)
6349843	PINION CARTRIDGE ASSEMBLY (INCLUDES PARTS 15 through 25)

RETRO FIT KIT #6349851 TO ADAPT ORIGINAL "AS-6" & "AS-7" HEAD ASSEMBLIES TO THE "NEW" ERGONOMIC GRIP AIR MOTOR MODEL

PARTS INCLUDED IN KIT #6349851 :

FRONT HEAD ASSEMBLY COMPONENTS :

6349805	PINION SHAFT	#24 ON SAW HEAD DIAGRAM

MOTOR, GUARD & ADAPTOR COMPONENTS :

6349859	MOTOR COMPLETE	#1 ON MOTOR DIAGRAM
6358670	TRIGGER GUARD	N/S ON SAW HEAD DIAGRAM
6349803	DRIVE ADAPTOR	#41 ON MOTOR DIAGRAM
6349809	LOCKING SLEEVE	#42 ON MOTOR DIAGRAM
6349811	O-RING	#43 ON MOTOR DIAGRAM
6349807	MOTOR ADAPTOR	#44 ON MOTOR DIAGRAM
6349801	DRIVE COUPLING	#45 ON MOTOR DIAGRAM
6349847	FRONT SPACER	#46 ON MOTOR DIAGRAM

TOOLS FOR ASSEMBLY :

6349899	HOUSING WRENCH	#47 ON MOTOR DIAGRAM
6349846	LOCKING SLEEVE WRENCH-	N/S ON MOTOR DIAGRAM

RETRO FIT KIT #6349851 TO ADAPT ORIGINAL "AS-6" HEAD ASSEMBLIES TO THE "NEW" ERGONOMIC GRIP AIR MOTOR MODEL

FRONT HEAD ASSEMBLY COMPONENTS :

6349805	PINION SHAFT	#24 ON SAW HEAD DIAGRAM

MOTOR, GUARD & ADAPTOR COMPONENTS :

6349859	MOTOR COMPLETE	#1 ON MOTOR DIAGRAM
6358670	TRIGGER GUARD	N/S ON SAW HEAD DIAGRAM
6349803	DRIVE ADAPTOR	#41 ON MOTOR DIAGRAM
6349809	LOCKING SLEEVE	#42 ON MOTOR DIAGRAM
6349811	O-RING	#43 ON MOTOR DIAGRAM
6349807	MOTOR ADAPTOR	#44 ON MOTOR DIAGRAM
6349801	DRIVE COUPLING	#45 ON MOTOR DIAGRAM
6349847	FRONT SPACER	#46 ON MOTOR DIAGRAM

TOOLS FOR ASSEMBLY :

6349899	HOUSING WRENCH	#47 ON MOTOR DIAGRAM
6349846	LOCKING SLEEVE WRENCH	N/S ON MOTOR DIAGRAM

OPTIONAL OVERHOSE ATTACHMENT FOR DIRECTING THE EXHAUST AIR AWAY FROM THE OPERATOR. (ONLY USED WITH ERGONOMIC MOTOR.)

INDIVIDUAL PARTS (REFERENCE NUMBERS FROM MOTOR DIAGRAM)

REF. NO.	PART NO.	DESCRIPTION	QTY.
N/S	6349735	TRIGGER GUARD	1
11	6349709	INLET ADAPTER	1
10	6349715	MUFFLER	1
N/S	6349712	O-RING	1
N/S	6349703	4 ft. OVERHOSE	1
N/S	6349705	8 ft. OVERHOSE	1
N/S	6349706	8 ft. AIR HOSE	1
N/S	6349704	8 ft. AIR HOSE & 8 ft. OVERHOSE	

RETRO FIT KITS THAT CAN BE PURCHASED

KIT NUMBERS			6349727	6349721	6349722
6349735	TRIGGER GUARD	1		*	*
6349709	INLET ADAPTER	1	*	*	*
6349715	MUFFLER	1	*	*	*
6349712	O-RING	1	*	*	*
6349703	4 ft. OVERHOSE	1	*	*	
6349705	8 ft. OVERHOSE	1			*
6349706	8 ft. AIR HOSE	1		*	*

* DENOTES PARTS INCLUDED IN THE KIT

RETRO FIT KIT #6349852 TO ADAPT ORIGINAL "AS-7" HEAD ASSEMBLIES TO THE "NEW" ERGONOMIC GRIP AIR MOTOR MODEL

FRONT HEAD ASSEMBLY COMPONENTS :

6349805	PINION SHAFT	#24 ON SAW HEAD DIAGRAM

MOTOR, GUARD & ADAPTER COMPONENTS :

6349859	MOTOR COMPLETE	#1 ON MOTOR DIAGRAM
6358770	TRIGGER GUARD	#48 ON SAW HEAD DIAGRAM
6349803	DRIVE ADAPTER	#41 ON MOTOR DIAGRAM
6349809	LOCKING SLEEVE	#42 ON MOTOR DIAGRAM
6349811	O-RING	#43 ON MOTOR DIAGRAM
6349807	MOTOR ADAPTER	#44 ON MOTOR DIAGRAM
6349801	DRIVE COUPLING	#45 ON MOTOR DIAGRAM
6349847	FRONT SPACER	#46 ON MOTOR DIAGRAM

TOOLS FOR ASSEMBLY :

6349899	HOUSING WRENCH	#47 ON MOTOR DIAGRAM
6349846	LOCKING SLEEVE WRENCH-	N/S ON MOTOR DIAGRAM

OPTIONAL OVERHOSE ATTACHMENT FOR DIRECTING THE EXHAUST AIR AWAY FROM THE OPERATOR. (ONLY USED WITH ERGONOMIC MOTOR.)

INDIVIDUAL PARTS (REFERENCE NUMBERS FROM MOTOR DIAGRAM)

REF. NO.	PART NO.	DESCRIPTION	QTY.
N/S	6349740	TRIGGER GUARD	1
11	6349709	INLET ADAPTER	1
10	6349715	MUFFLER	1
N/S	6349712	O-RING	1
N/S	6349703	4 ft. OVERHOSE	1
N/S	6349705	8 ft. OVERHOSE	1
N/S	6349706	8 ft. AIR HOSE	1
N/S	6349704	8 ft. AIR HOSE & 8ft. OVERHOSE	

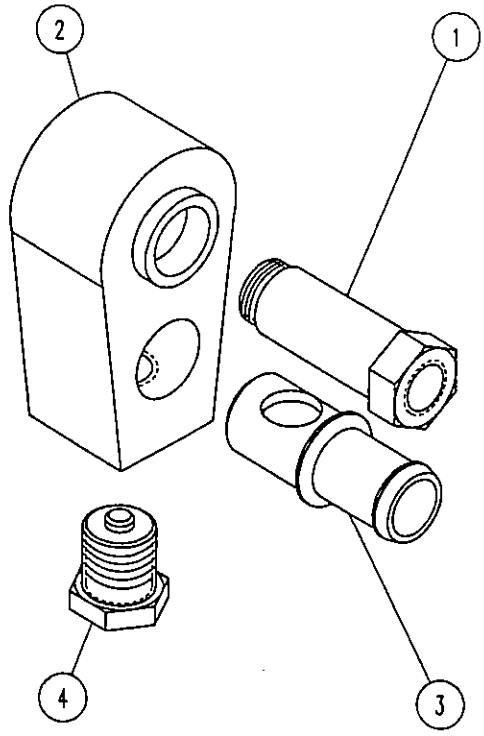
RETRO FIT KITS THAT CAN BE PURCHASED

KIT NUMBERS			6349727	6349724	6349725
6349740	TRIGGER GUARD	1		*	*
6349709	INLET ADAPTER	1	*	*	*
6349715	MUFFLER	1	*	*	*
6349712	O-RING	1	*	*	*
6349703	4 ft. OVERHOSE	1	*	*	
6349705	8 ft. OVERHOSE	1			*
6349706	8 ft. AIR HOSE	1		*	*

* DENOTES PARTS INCLUDED IN THE KIT

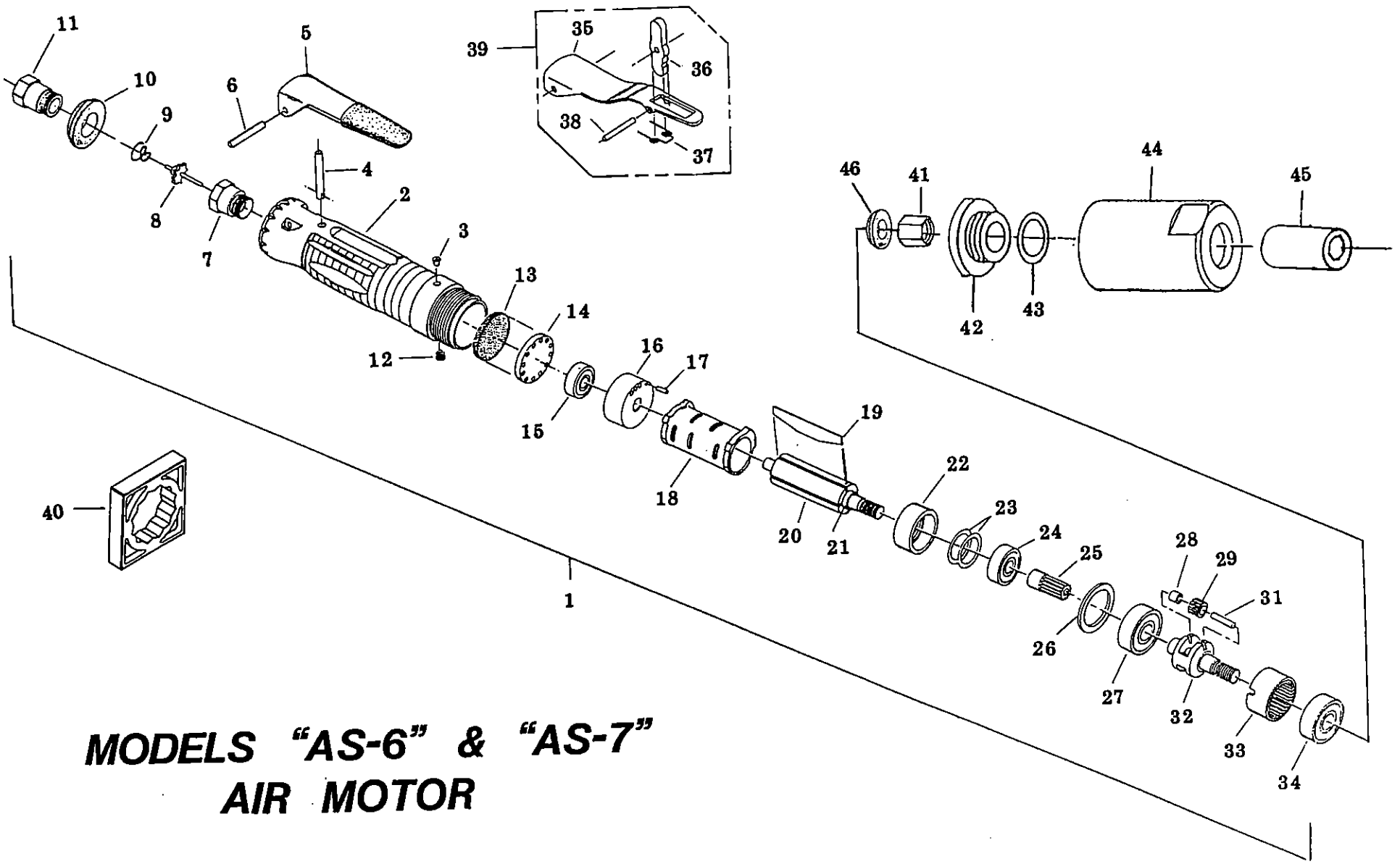
EUROPEAN STYLE INTAKE/EXHAUST ATTACHMENT

REF. NO	PART NO	DESCRIPTION
	6349903	**SUPPLY/EXHAUST ATTACHMENT ASSY.**
1	6349766	INLET PORT
2	6349763	ADAPTER
3	6349760	EXHAUST PORT
4	6349772	EXHAUST PORT RETAINING PLUG
N/S	6349907	"AS-6" TRIGGER GUARD FOR EUROPEAN STYLE EXHAUST



"AS-6" & "AS-7" SCRIBE SAW MOTOR & ADAPTER

REF. NO.	PART NO.	DESCRIPTION	QTY.	RSP
1	6349859	MOTOR COMPLETE (2 THRU 34)	1	
2	6349867	MOTOR HOUSING & GREASE FITTING	1	
3	6349868	GREASE FITTING	1	
4	6349866	PUSH ROD	1	
5	6349871	LEVER	1	
6	6349870	LEVER PIN	1	
7	6349865	VALVE SEAT	1	
8	6349864	VALVE	1	
9	6349863	VALVE SPRING	1	*
10	6349862	DIFFUSER	1	
11	6349861	INLET ADAPTER	1	
12	6349869	SET SCREW	1	
13	6349872	FILTER	1	*
14	6349873	FILTER RETAINER	1	
15	6349874	BEARING	1	*
16	6349875	REAR PLATE & PIN	1	
17	6349876	PIN	1	
18	6349877	CYLINDER	1	
19	6349880	ROTOR BLADE	SET OF 4	*
20	6349878	ROTOR & SPACER	1	*
21	6349879	SPACER	1	
22	6349881	FRONT PLATE	1	
23	6349882	SHIM PACKET	1	*
24	6349883	BALL BEARING	1	*
25	6349884	SUN GEAR	1	
26	6349885	SPACER	1	
27	6349886	BALL BEARING	1	*
28	6349887	NEEDLE BEARING	2	
29	6349888	PLANET GEAR & NEEDLE BEARING	2	*
30	6349889	BEARING RETAINER (NOT SHOWN)	2	
31	6349890	BEARING SHAFT	2	
32	6349891	CARRIER	1	
33	6349892	RING GEAR	1	
34	6349893	BALL BEARING	1	*
N/S	6349078	MALE QUICK DISCONNECT	1	
N/S	6349075	FEMALE QUICK DISCONNECT	1	
OPTIONAL LOCKING TRIGGER				
35	6349894	LEVER	1	
36	6349895	LOCK OFF	1	
37	6349896	SPRING	1	*
38	6349897	PIN	1	
39	6349898	LOCK OFF LEVER ASSEMBLY	1	
MOTOR TO HEAD ADAPTERS				
41	6349803	DRIVE ADAPTER	1	
42	6349809	LOCKING SLEEVE	1	
43	6349811	O-RING	1	*
44	6349807	MOTOR ADAPTER	1	
45	6349801	DRIVE COUPLING	1	
46	6349847	FRONT SPACER	1	
SPECIAL TOOLS				
40	6349899	HOUSING WRENCH	1	
N/S	6349846	LOCKING SLEEVE/BLADE NUT WRENCH	1	



MODELS "AS-6" & "AS-7"
AIR MOTOR

"AS-6" SCRIBE SAW
FRONT HEAD ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	QTY.	RSP
1	6355200	BLADE NUT	1	
2	6355210	SEAL	1	*
3	6355593	INTERNAL SNAP RING	1	
4	6358465	CAP WITH GREASE FITTING	1	
5	4561600	SCREW	1	
6	6358485	BEARINGS	2	*
7	6358752	MAIN GEAR WITH HUB PINS	1	
8	6358455	SPACER	1	
9	4560000	SPACER	1	
10	9902028	PIN	4	
11	9900326	SCREWS	3	
12	6358720	SHAFT FOR KNIFE GEAR	1	
13	6361201	GREASE FITTING	1	
14	6355600	BODY HOUSING	1	
15	6358750	EXTERNAL SNAP RING	1	
16	6358715	PINION & SPACER	1	
17	6358441	SHIM .001	AS NEEDED	*
	6358442	SHIM .002	AS NEEDED	*
	6358445	SHIM .005	AS NEEDED	*
	6358450	SHIM .010	AS NEEDED	*
18	6358705	SLEEVE	1	
19	6358755	BEARINGS	2	*
20	6358110	SNAP RING	1	
21	6358210	SNAP RING	1	
22	6358093	BEARING	1	
23	6358435	KEY	1	
24	6349805	SHAFT	1	
25	6358425	SNAP RING	1	
27	6109100	SAW BLADE 6 1/2" FINE TOOTH		
	6119800	SAW BLADE 6 1/2" COARSE TOOTH		
28	6356100	SAW GUARD HOUSING	1	
29	6356700	HANDLE - VERTICAL	1	
30	9800439	SCREWS	2	
31	9758700	PIVOT BUSHING	1	
32	9801986	WASHER	1	
33	9801045	SCREW	1	
34	9757560	DEPTH GAUGE	1	
35	6356300	DEPTH GAUGE RACK	1	
36	9801079	SCREW	1	
37	9800398	SCREW	1	
38	9800353	SCREW	1	
39	9802768	SCREWS	2	
40	9500700	"T" HANDLE	1	
N/S	6358670	TRIGGER GUARD	1	

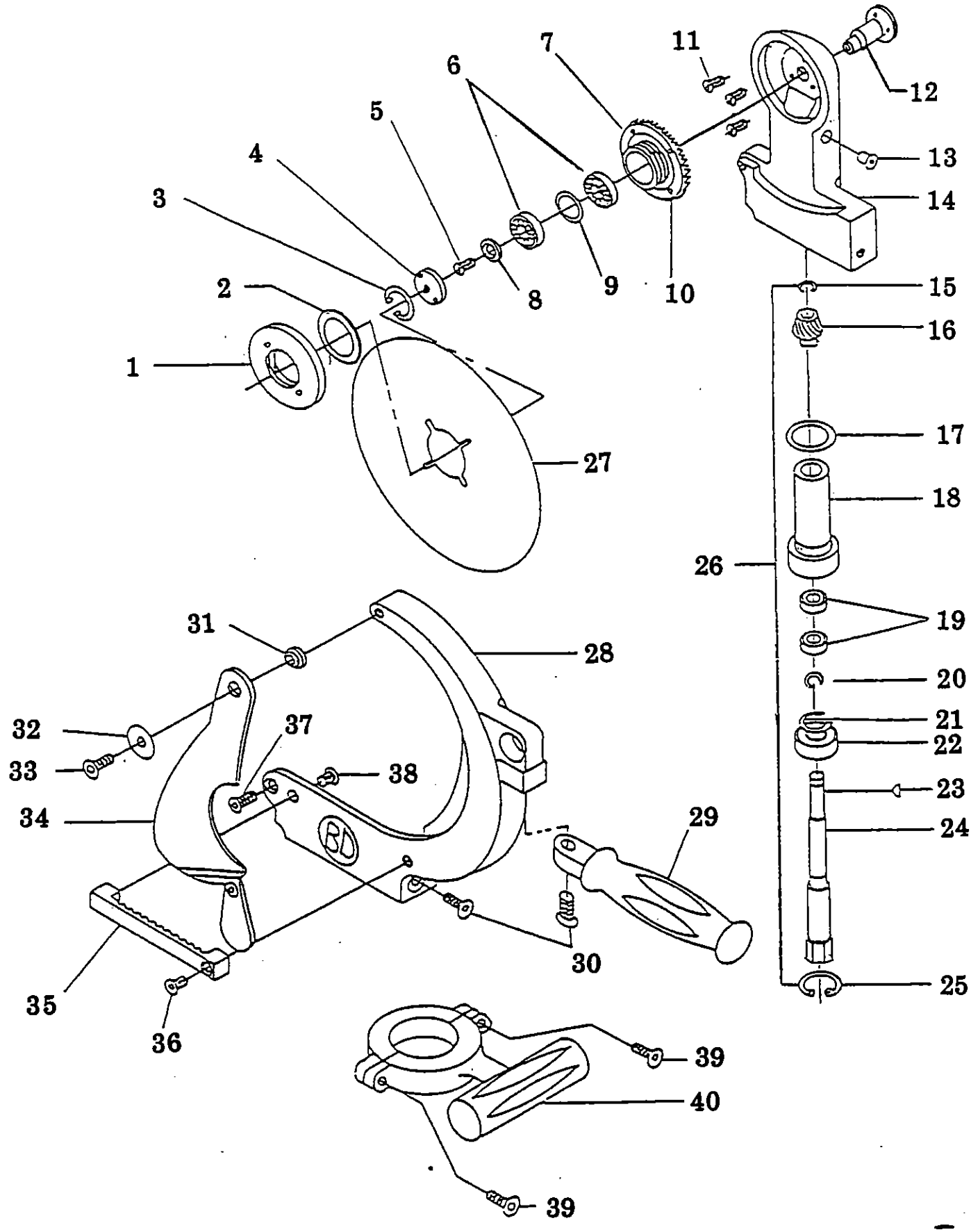
ASSEMBLIES AVAILABLE

26	6349843	PINION CARTRIDGE ASSEMBLY		

TOOLS AVAILABLE

N/S	6345O88	PINION SETTING GAUGE		*
N/S	6349846	LOCKING SLEEVE/BLADE NUT WRENCH	1	

"AS-6" PARTS DIAGRAM



"AS-7" SCRIBE SAW
FRONT HEAD ASSEMBLY

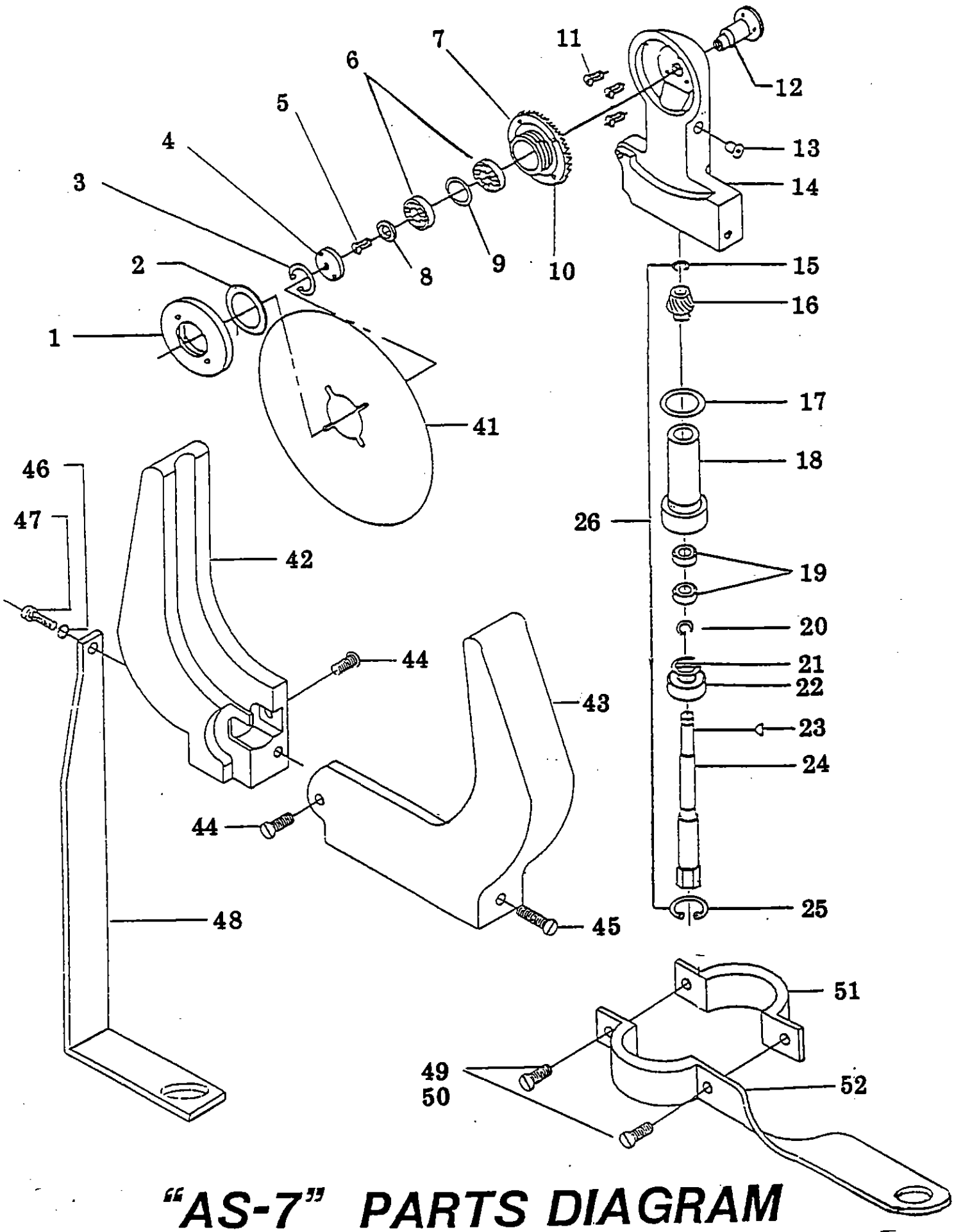
REF. NO.	PART NO.	DESCRIPTION	QTY.	RSP
1	6355200	BLADE NUT	1	
2	6355210	SEAL	1	*
3	6355593	INTERNAL SNAP RING	1	
4	6358465	CAP WITH GREASE FITTING	1	
5	4561600	SCREW	1	
6	6358485	BEARINGS	2	*
7	6358752	MAIN GEAR WITH HUB PINS	1	
8	6358455	SPACER	1	
9	4560000	SPACER	1	
10	9902028	PIN	4	
11	9900326	SCREWS	3	
12	6358720	SHAFT FOR KNIFE GEAR	1	
13	6361201	GREASE FITTING	1	
14	6355600	BODY HOUSING	1	
15	6358750	EXTERNAL SNAP RING	1	
16	6358715	PINION & SPACER	1	
17	6358441	SHIM .001	AS NEEDED	*
	6358442	SHIM .002	AS NEEDED	*
	6358445	SHIM .005	AS NEEDED	*
	6358450	SHIM .010	AS NEEDED	*
18	6358705	SLEEVE	1	
19	6358755	BEARINGS	2	*
20	6358110	SNAP RING	1	
21	6358210	SNAP RING	1	
22	6358093	BEARING	1	
23	6358435	KEY	1	
24	6349805	SHAFT	1	
25	6358425	SNAP RING	1	
41	6120000	KNIFE BLADE	1	
42	6358735	GUARD BAR L.H.	1	
43	6358740	GUARD BAR R.H.	1	
44	9800398	SCREW	2	
45	9800439	SCREW	1	
46	9801935	LOCKWASHER	1	
47	9901304	SCREW	1	
48	6358770	TRIGGER GUARD	1	
49	9901494	SCREWS	2	
50	9902398	LOCK NUTS	2	
51	6358765	HANGER CLAMP	1	
52	8883000	HANGER	1	

ASSEMBLIES AVAILABLE

26	6349843	PINION CARTRIDGE ASSEMBLY	

TOOLS AVAILABLE

N/S	6345088	PINION SETTING GAUGE	*



"AS-7" PARTS DIAGRAM

ACCESSORIES

2110506	.....	Allen Wrench
2110605	.....	Allen Wrench
2111000	.....	Grease Gun
2111100	.....	1 Lb. (0.4536 Kilos) Can Grease
2111200	.....	8 Lb. (3.63 Kilos) Pail Grease
2111400	.....	Air Mist Oil 7¼ Lbs. (3.40 Kilos) Container
6337893	.....	Air Filter/Regulator/Lubricator Unit
* 6339000	.....	Counterbalancer 4-10 Lb. Capacity (1.8 - 4.5 Kgs.) Cable Travel = 8 Feet (2.4 Meters)
2110508	.....	Allen Wrench 1/8"
6357860	.....	Dual Purpose Wrench for removing #6355700 (Ref.#9) Locknut & #6355200 (Ref.#1) Blade Nut.

* NOT SHOWN