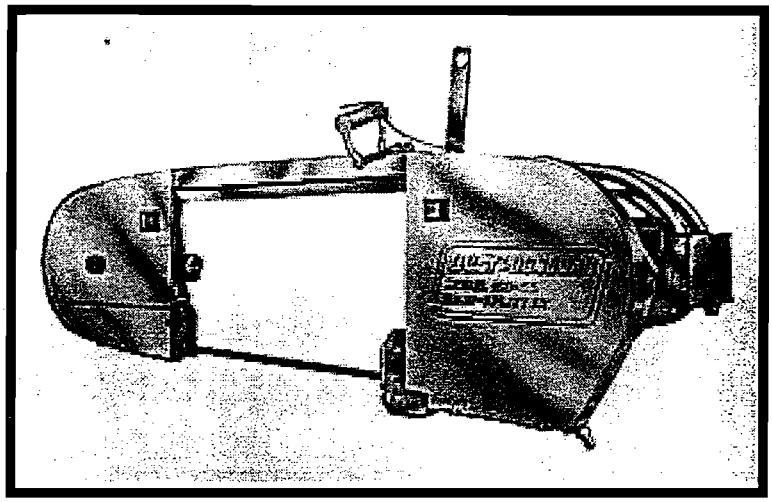
MODEL "150-SS"
BAND-SPLITTER



PARTS
&
SERVICE MANUAL

USDA APPROVED	CE

BEST & DONOVAN

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

BEST & DONOVAN
150-SS BAND SPLITTER

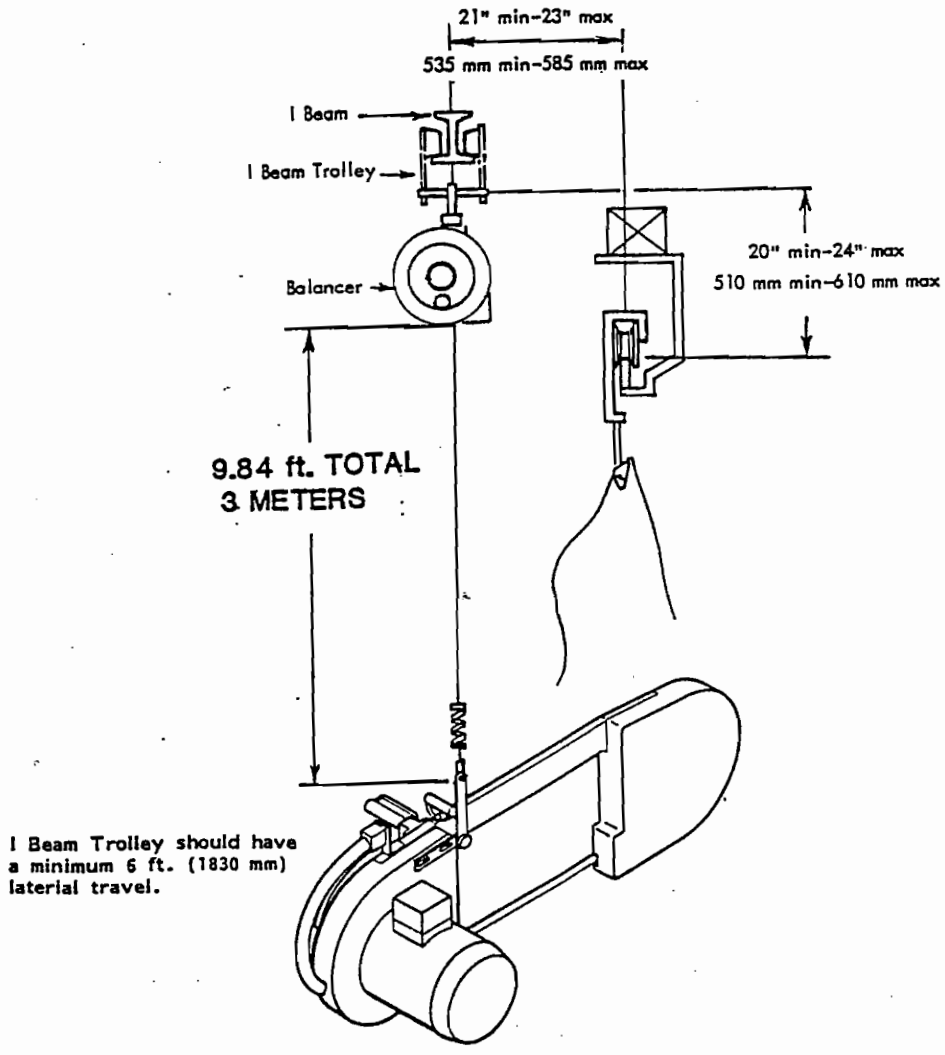
INSTALLATION INSTRUCTIONS

SUSPENSION

The B & D Model "150-SS" Band Splitter has a net weight of 194 lbs (88.1 Kilos). It should be suspended using a No. 6343600 Overhead Counterbalancer with a range of 165 - 198 lbs. (75 - 90 Kilos) and a cable travel of 6.56 ft. (2 Meters). If a 9 ft. travel is required, a No. 6343800 Counterbalance with a capacity of 176 - 198 lbs. (80 - 90 Kilos) and a cable travel of 9.84 ft. (3 Meters) can be used.

The counterbalancer should be adjusted so that saw requires minimal effort to lift when it is at the aitchbone level. The counterbalancer must supply free and smooth travel for its complete stroke.

INSTALLATION DRAWING FOR THE 150-SS



IMPORTANT

MODEL "150-SS"
BAND-SPLITTER

ELECTRICAL INSTALLATION INSTRUCTIONS

CAUTION: **SAW SHOULD BE WIRED BY QUALIFIED PERSONNEL ONLY**

CAUTION: **MAKE CERTAIN ALL WIRES ARE PROPERLY CONNECTED. CONNECTING HIGH VOLTAGE WIRES TO THE LOW VOLTAGE COMPONENTS WILL CAUSE SERIOUS DAMAGE.**

UNDER 50 VOLTS TO THE CONTROL CIRCUIT OF THIS TOOL IS RECOMMENDED. MORE THAN 50 VOLTS WILL CAUSE THE SWITCHES TO MALFUNCTION.

A 24 VOLT CONTROL CIRCUIT IS THE MOST EFFICIENT AND SAFEST INSTALLATION FOR THIS TOOL

MAKE SURE THE CONTROL CIRCUIT IS PROPERLY WIRED.

MAKE SURE THERE IS A PROPER GROUNDING CONNECTION TO THE GREEN WIRE COMING FROM THE SAW.

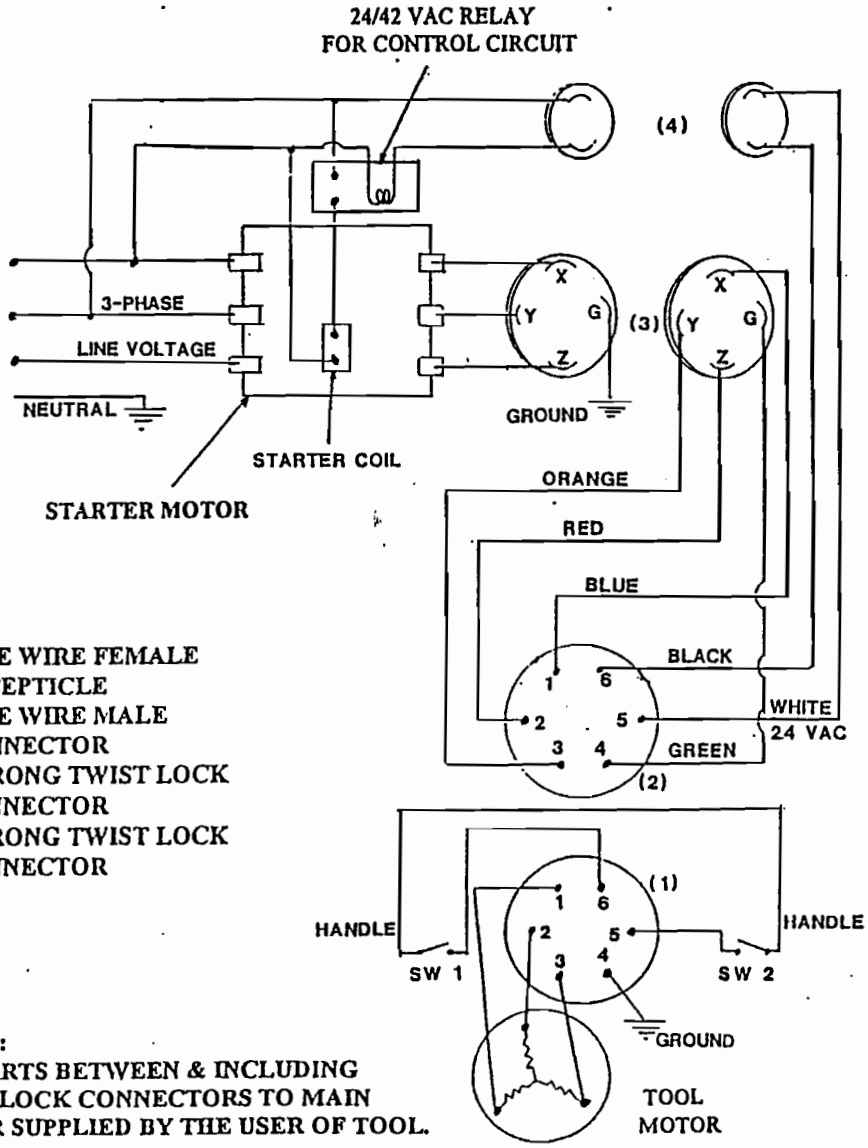
MAKE SURE THERE ARE PROPER OVERLOAD HEATERS IN THE CIRCUIT TO PROTECT THE SAW MOTOR FROM POSSIBLE OVERLOAD DAMAGE. CHECK NAMEPLATE ON TOOL FOR RATED AMPERAGE.

ALL CONNECTORS & PLUGS SHOULD BE OF THE WATER TIGHT DESIGN.

NOTE : THE CORRECT ROTATION OF THE BLADE DRIVE WHEEL, VIEWED WITH THE DOOR OPEN, IS COUNTERCLOCKWISE.

CHECK WIRING DIAGRAM ON FOLLOWING PAGE FOR INSTALLATION INSTRUCTIONS.

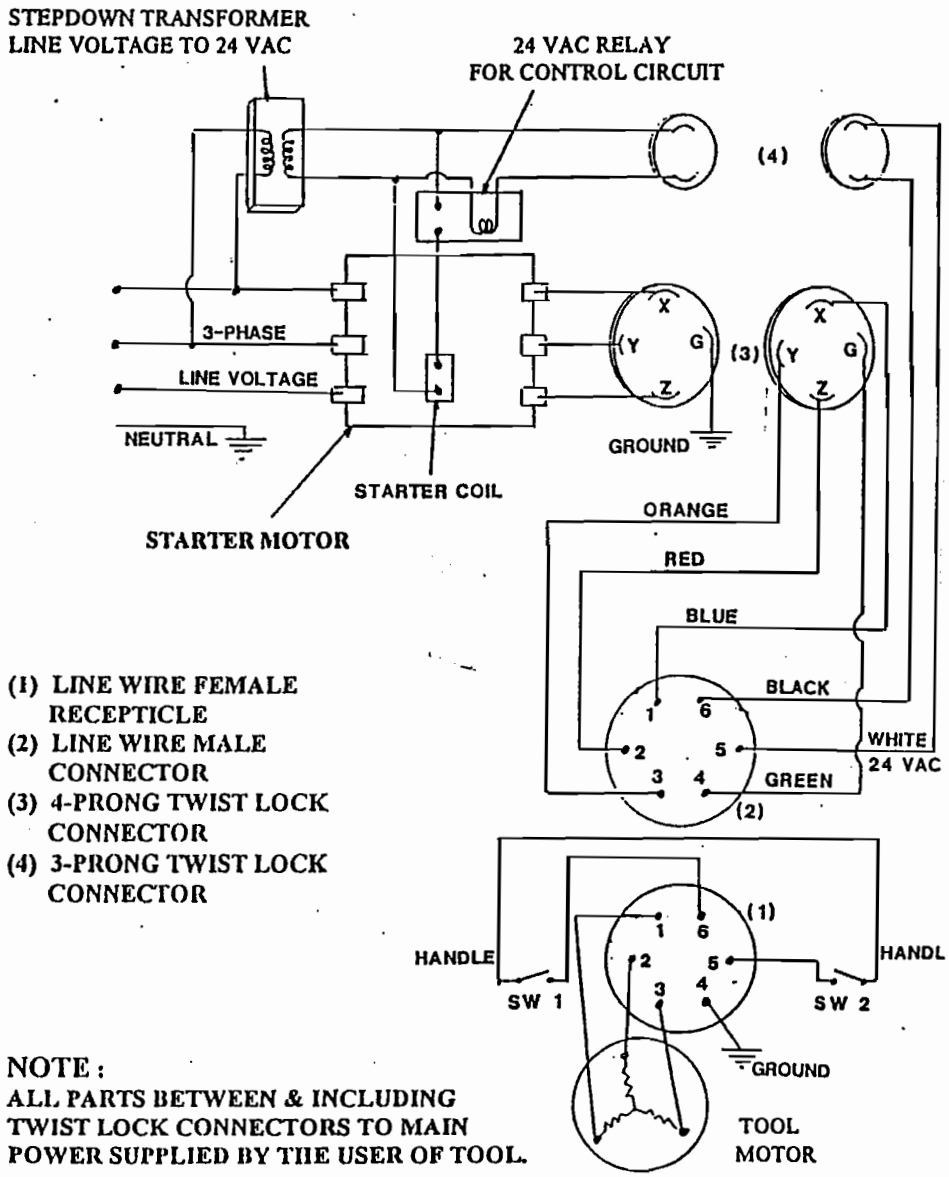
ELECTRICAL CONNECTION DIAGRAM
3-PHASE 24/42 VOLT
24/42 VOLT DUAL SIMULTANEOUS CONTROL



(1) LINE WIRE FEMALE RECEPTICLE
(2) LINE WIRE MALE CONNECTOR
(3) 4-PRONG TWIST LOCK CONNECTOR
(4) 3-PRONG TWIST LOCK CONNECTOR

NOTE :
ALL PARTS BETWEEN & INCLUDING TWIST LOCK CONNECTORS TO MAIN POWER SUPPLIED BY THE USER OF TOOL.

ELECTRICAL CONNECTION DIAGRAM
3-PHASE 110 THRU 575 VOLT
24 VOLT DUAL SIMULTANEOUS CONTROL



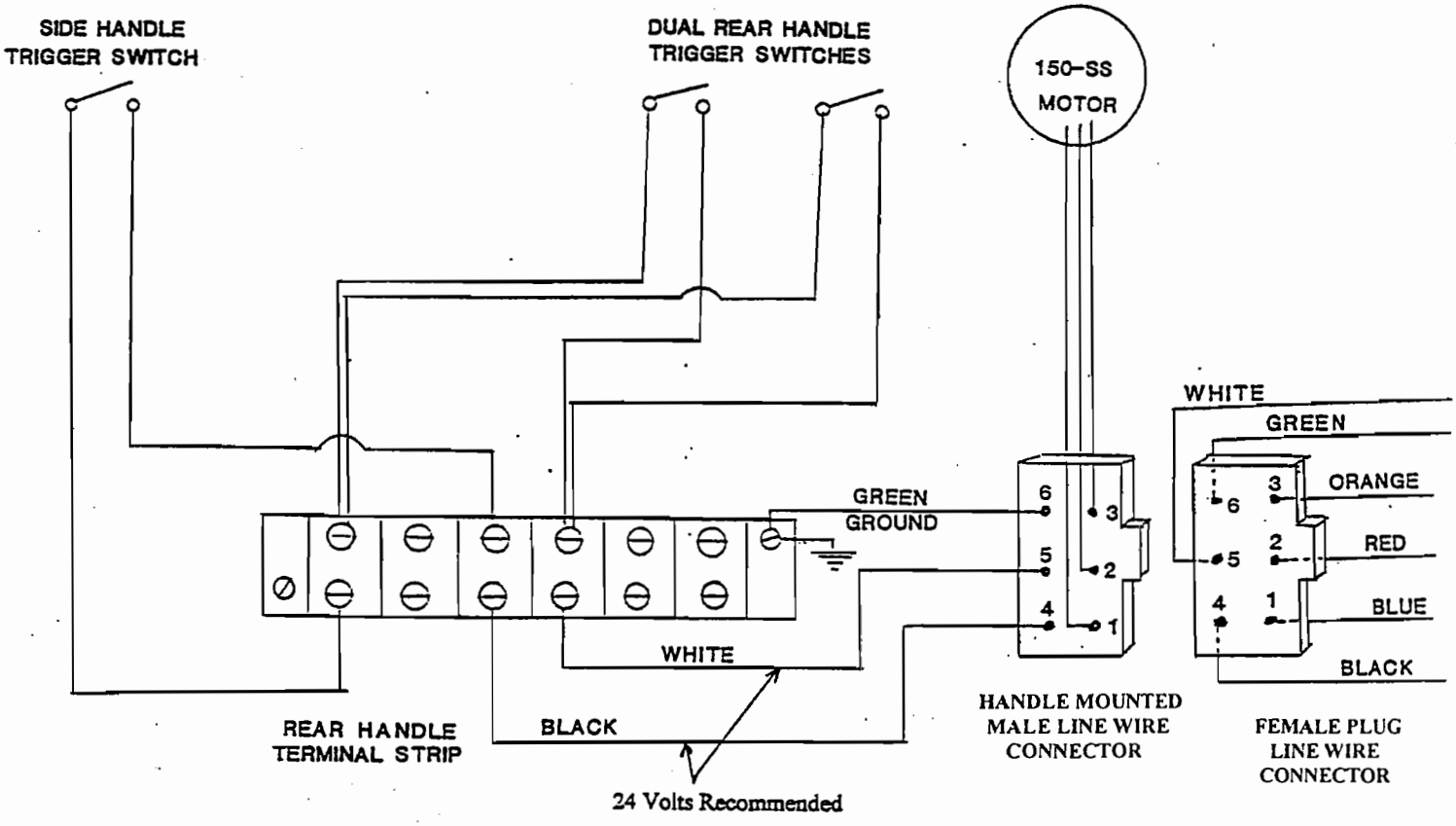
(1) LINE WIRE FEMALE RECEPTICLE
(2) LINE WIRE MALE CONNECTOR
(3) 4-PRONG TWIST LOCK CONNECTOR
(4) 3-PRONG TWIST LOCK CONNECTOR

NOTE :
ALL PARTS BETWEEN & INCLUDING TWIST LOCK CONNECTORS TO MAIN POWER SUPPLIED BY THE USER OF TOOL.

MODEL "150-SS"

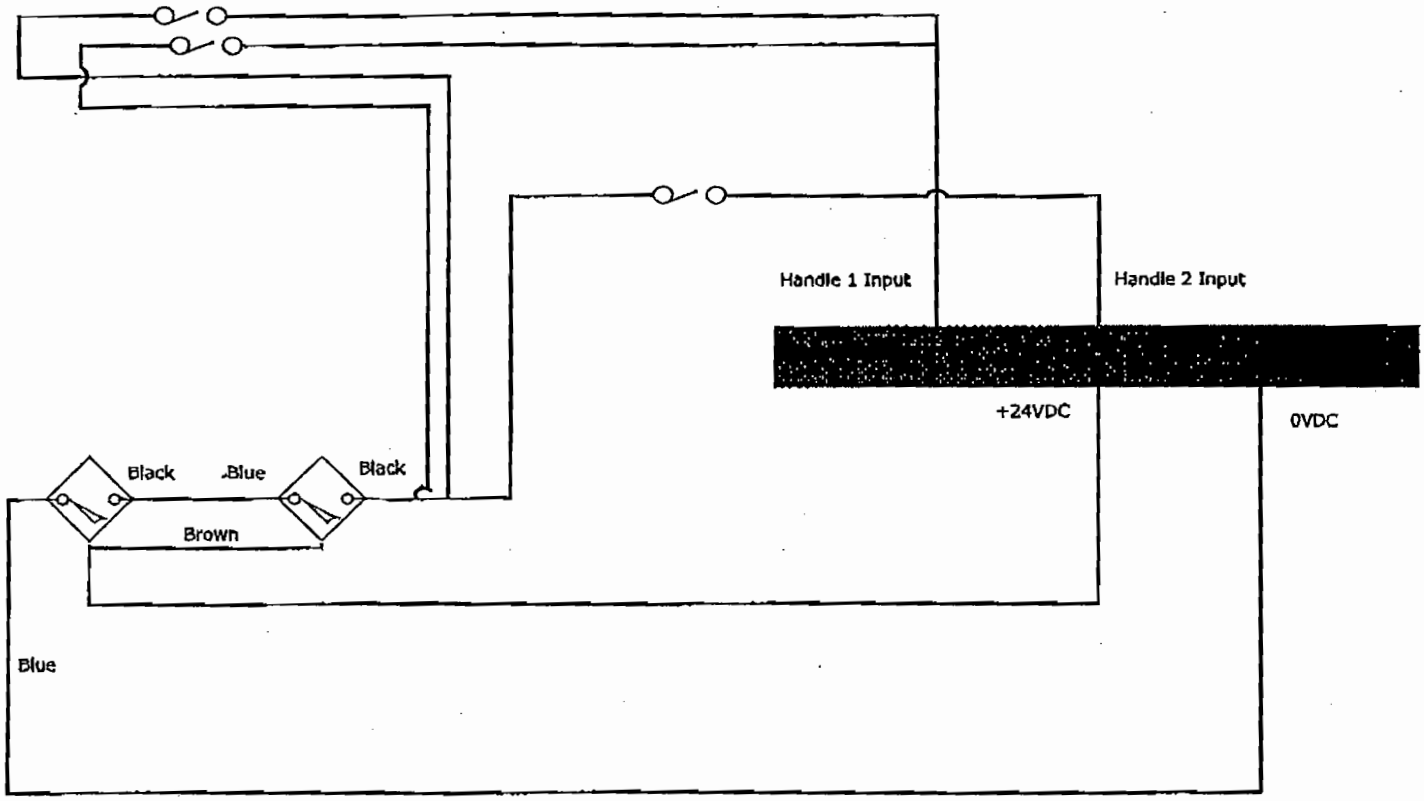
24 VOLT DUAL SIMULTANEOUS CONTROL LINE WIRE & TRIGGER ELECTRICAL CONNECTION DIAGRAM

WARNING : THIS SYSTEM MUST HAVE LESS THAN 50 VOLTS TO WORK CORRECTLY. ANY HIGHER VOLTAGE CONNECTED TO THE TRIGGGER SWITCHES THROUGH THE BLACK AND WHITE WIRES ON POSTS 4 & 5 WILL CAUSE FAILURE TO THE CONTROL CIRCUIT. REFER TO THE MAIN POWER CONNECTION DIAGRAM FOR CORRECT INSTALLATION.



NOTE :

1. THE MOTOR LEADS ARE LONG ENOUGH TO BE CONNECTED DIRECTLY TO THE MALE HOUSING RECEPTICLE AS SHOWN IN SLOTS 1,2 & 3.
2. ALL OF THE WIRES CONNECTED TO THE SWITCHES ARE YELLOW. ATTACH THEM TO THE TERMINAL STRIP AS SHOWN IN THE ABOVE DIAGRAM.



Handle Input Circuit are limited to 100 ma

MAINTENANCE

Preventative maintenance is the first step of good maintenance.

A periodic check should be made to replace worn parts and to inspect lubrication levels. 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 devise 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 runout in spindle or out of squareness 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.

CLEANING

The complete exterior of the 150 SS may be sprayed off with SANITIZING water. Both covers open and the exposed parts may also be sprayed clean.

IT IS RECOMMENDED NOT TO SPRAY THE ELECTRICAL CONNECTION BOXES ON THE TOOL DIRECTLY WITH HIGH PRESSURE WATER. THIS WILL PROLONG THE LIFE OF THE CONTROL CIRCUIT COMPONENT.

BLADE REMOVAL AND INSTALLATION

WARNING

MAKE SURE THAT THE TOOL IS DISCONNECTED FROM THE POWER SUPPLY.

CAUTION : WEAR SAFETY GLOVES WHENEVER IN CONTACT WITH THE BLADE.

BLADE REMOVAL

1. Open front and rear doors.
2. Using 180 degree water, rinse out the wheel cavities making sure that no debris is left on the blade or the wheels.
3. Pull locking pin on front Blade Guide Assembly and rotate assembly to the horizontal position. Make sure that the locking pin seats back into the holding hole in this position.
4. Do the same process with the rear Blade Guide Assembly.

NOTE : As you do each of these operations the blade will come out of the Guide slot and flip 90 degrees.

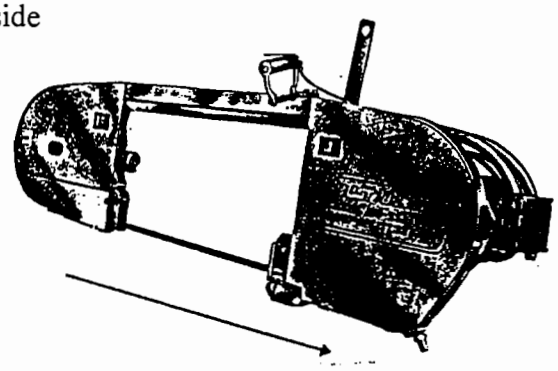
5. Loosen the Torque Knob to release the tension for easy blade removal.
6. Remove the blade.

NOTE : If you are about to set up a set of extra Guides for the 150-SS you will want to keep a 12" section of the old blade. This will be explained in the Guide Set-up Section.

BLADE INSTALLATION

CAUTION : IF THIS IS A NEW INSTALLATION AND THIS IS THE FIRST TIME THE 150-SS HAS BEEN STARTED, DO NOT INSTALL THE BLADE UNTIL THE CORRECT ROTATION OF THE BLADE HAS BEEN DETERMINED. THE DRIVE WHEEL MUST BE TURNING IN A COUNTER-CLOCKWISE ROTATION. IF IT IS NOT, CHANGE TWO OF THE LEADS TO THE MOTOR AND TRY AGAIN.

1. Take new blade from stock. Turning the blade inside out will let the paper pull free without catching on the teeth of the blade. Take the paper off.
2. Install the blade so that the teeth are facing the inside of the wheel housings. In the yoke area, the angle of teeth will be pointing towards the Idler wheel & the teeth of the blade in the area between the blade guides will be pointing towards the Drive wheel.



(Blade teeth pointing in this direction)

3. Tighten Torque Knob until the blade makes full contact with the outer surfaces of both wheels then stop.
4. Directly under each of the blade guides, turn the blade at a 90 degree angle with the teeth pointing down; pull the locking pin and drop the blade guides down over the blade.

NOTE : MAKE SURE THAT THE LOCKING PIN ENGAGES THE LOCATING HOLE IN THIS POSITION.

5. Tighten the Torque Knob until the knob slips. This will give you the correct tension on the blade. ***If there is a question to the correct tension of the blade, refer to the Torque Knob section for set-up.***

NOTE : THE CORRECT ROTATION OF THE BLADE LOOKING AT THE DOOR SIDE OF THE SAW IS COUNTERCLOCKWISE.

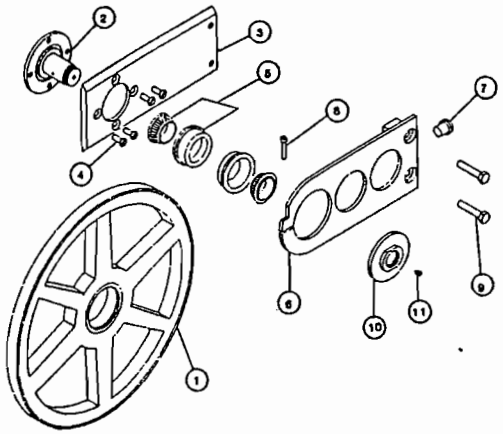
6. Close the doors on the saw.
7. Reconnect to the power source.
8. Engage the triggers for approximately 1 second.
9. Staying away from the triggers, open the doors an check for proper tracking of the blade.
10. If the tracking is correct, shut the doors and begin production.
11. If the blade is mistracking, check the trouble shooting steps that follow.

MISTRACKING OF THE BLADE

NOTE : CORRECT TRACKING OF THE BLADE IS DEFINED AS THE PLAIN EDGE OF THE BLADE AND THE OUTER EDGES OF EACH WHEEL BEING FLUSH, WITHIN 1/32" (.8mm) WHILE RUNNING.

NOTE : The degree of off-tracking of the blade may require only partial tightening of the Torque Knob before loosening of the bolts.

1. If the blade is tracking off the idler wheel, leave the tension on the torque knob and open the Idler cover so that the two (2) Idler Wheel Bearing Retainer Bolts (#9) can slightly be loosened. This will allow the Idler Frame to realign.
2. Tighten these two bolts, jog the saw and watch the tracking of the blade. Once the blade tracks correctly on the Idler Wheel, retighten Retainer bolts.



BLADE GUIDE SET-UP

NOTE : THE BLADE GUIDE SET-UP IS THE MOST CRITICAL ADJUSTMENT FOR PROPER SPLITS.

1. Inspect the Upper Carbide (6703800) for wear grooves, if any present, rotate the carbide to new side. When all four sides have been used replace the upper carbide.

2. Carbides (6710156): these are considered the wear pads for the blade. Taking a recently used blade, CAREFULLY snap a 12" long section out to be used as a set-up guide.

NOTE : It is best to use a recently used blade because the thickness of the blade is closer in the same lot ordered.

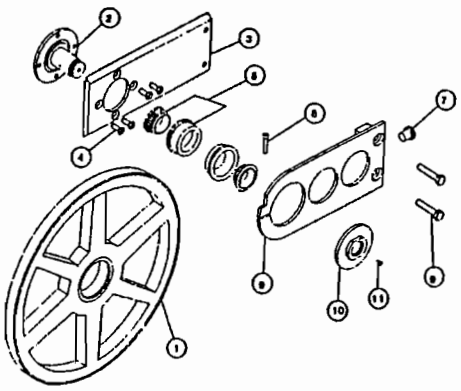
SET-UP OF SPARE OR MOUNTED BLADE GUIDE

1. Place the 12" long section of blade between the two side Carbides (6710156) in the Blade Guide Assembly.

NOTE : End result is to get the blade in the center of the blade guide between the Carbides.

2. Using a screwdriver, apply light pressure on back side of carbide (6710156) to move carbide toward blade.
3. As you keep the light pressure on the carbide, tighten the locking screws (9800841).
4. Do the same to the carbide on the opposite side.
5. Remove the 12" section of blade.
6. Slide the 12" section back into the guide between the carbides (6710156) paying close attention to how it fits.

NOTE : The blade should fit snug, with little effort used to slide the blade back in. If the blade falls in with no effort it is too loose and the saw will not split straight. Repeat the steps to set-up blade guide until a snug fit is achieved.



IDLER WHEEL BEARING SET-UP

The instructions below are assuming that the Idler Wheel Bearing Retainer #6 and old Timken Bearings #5 are removed from the Idler Wheel section.

1. Press the inner race from one of the Idler Wheel Timken Bearings #5 onto the Idler Wheel Stud #2, tapered end up.
2. Press both outer races into the Idler Wheel #1 evenly until seated.
3. Place the Idler Wheel #1 over the Stud #2 onto the Timken Bearing.

NOTE : The Idler Wheel is placed on the stud with the raised center of the hub & raised lip around the outer ring down towards the Idler Frame. The smooth surface of the Idler Wheel is against the Idler Door.

4. Slide the last inner Timken Bearing #5 over the Stud #2, down into the Idler Wheel #1, tapered end down.
5. Hand tighten the Idler Wheel Bearing Cap #10 onto the Stud #2 until the inner Timken Bearings #5 are snug against their outer races.

NOTE : There is no torque specifications for this procedure. Hand tightening of the Timken bearings is sufficient to take the end play out of the Idler Wheel. As the bearings wear, a slight adjustment may be needed if end play is detected.

6. Mount the Bearing Retainer #6 to the Slide Plate #3. Before tightening the Retainer #6 completely, make sure that the Bearing Cap Locking Screw #8 is loose and the Bearing Cap is seated in the Retainer #6.
7. Tighten the Retainer #6 & the Locking Screw #8.

NOTE : There should be no end play in the Idler Wheel at this time. If there is, loosen the Locking Screw #8 and make sure that the Bearings #5 are seated & the Bearing Cap #10 is hand tight.

RECOMMENDED SPARE PARTS

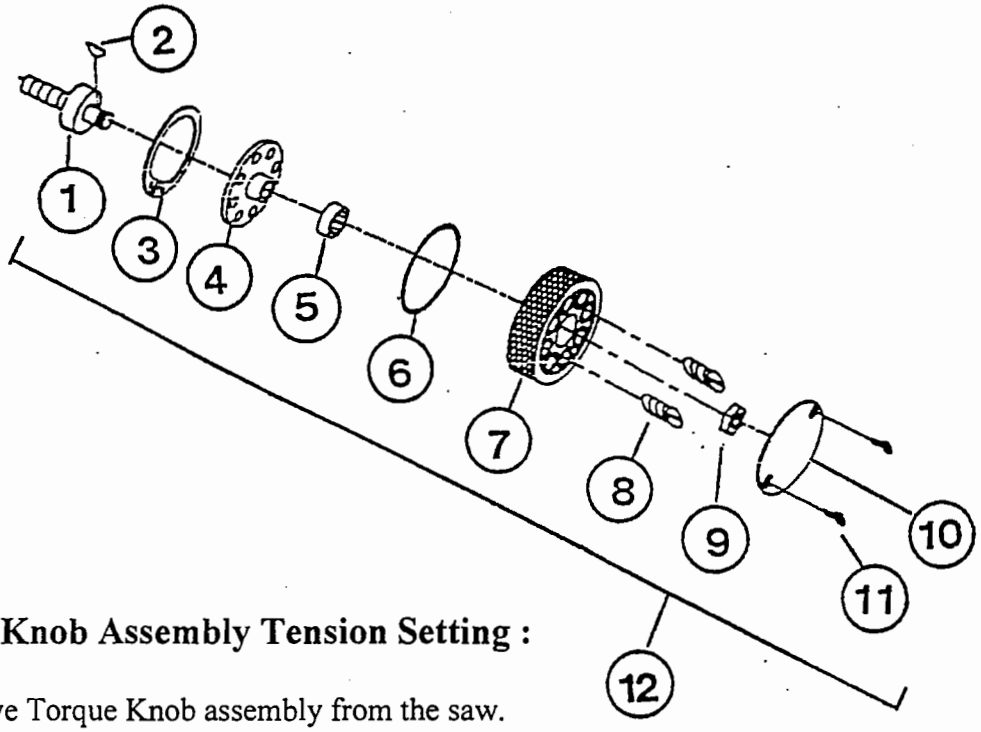
DESCRIPTION	PART NO.	QTY.
A. FRONT BLADE GUIDE ASSEMBLY	6710915	1
B. DRIVE END BLADE GUIDE ASSEMBLY	6710916	1
C. UPPER CARBIDE (BLADE GUIDE)	6703800	4
D. CARBIDES (BLADE GUIDES)	6710156	8
E. IDLER WHEEL BEARINGS	6710958	2
F. IDLER RETAINER SHIMS	6710969	1
G. DRIVE WHEEL MAIN FRAME BEARING	6710948	1
H. DRIVE WHEEL GEAR SHAFT, OUTER BEARING	6710947	1
I. GEARED SHAFT SEAL	6710945	1
J. GEARED SHAFT O-RING	6710946	1
K. GEARED SHAFT SEAL RING	6710941	1
L. ROTOR GEAR BEARING	6704393	1
M. ROTOR OUTER BEARING	7541793	1
N. TRIGGER SWITCHES	9753549	6
O. SAW BLADES	6710150	50

NOTE:
FRONT BLADE GUIDE ASSEMBLY INCLUDES REFERENCE PARTS : 2 through 15
DRIVE END BLADE GUIDE ASSEMBLY INCLUDES REFERENCE PARTS : 2 through 17
(SEE INDIVIDUAL PAGES FOR PART NUMBERS AND ASSEMBLY)

NOTE : BEARHUG LOCKNUT WRENCH #6710965 FOR REMOVING & INSTALLING THE SPINED DRIVE WHEEL MODEL IS NOT SHIPPED WITH 150-SS WHEN PURCHASED.

TORQUE KNOB

REF. NO.	PART NO.	DESCRIPTION	QTY
1	6710901	Torque Knob Shaft	1
2	6710907	Woodruff Key	1
3	6710909	Retaining Ring	1
4	6710902	Torque Knob Cam	1
5	6710905	Needle Bearing	1
6	6710908	O-Ring	1
7	6710903	Torque Knob Wheel	1
8	6710906	Ball Plungers	8
9	9801679	5/16-18 Hex Nut	1
10	6710904	Torque Knob Cover	1
11	9800337	6-32x1/4 Screw	2
12	6710917	**Torque Knob Assembly Complete**	



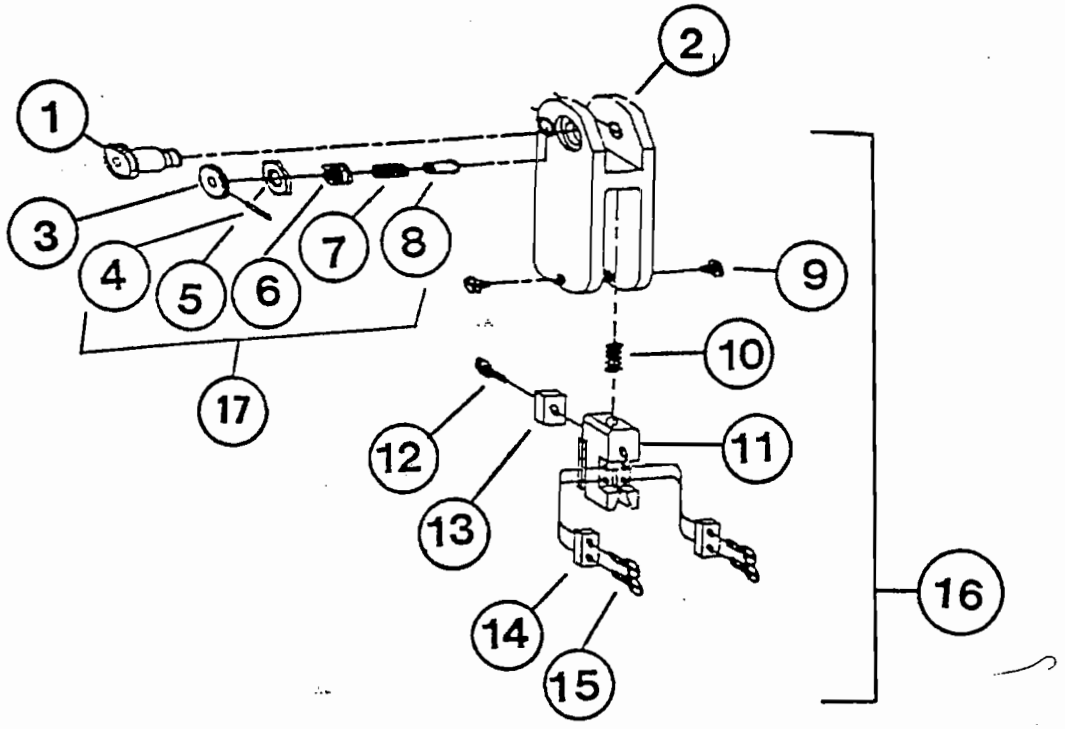
Torque Knob Assembly Tension Setting :

1. Remove Torque Knob assembly from the saw.
2. Tighten together two (2) 3/8-16 nuts at the end of the Torque Knob Shaft (ref. 1) for checking the resistance with a torque wrench.
3. If not removed, take the screws (ref. 11) out of the Cover (ref. 10) and set all three aside.
4. Clamp Torque Knob Assembly in a vise around torque knob (ref 7) lightly.
5. Tighten (or loosen) the Ball Plungers (ref 8) to achieve a normal torque specification of between 55 to 60 lbs. with the torque wrench.
6. Reassembly the Torque Knob Assembly to Saw in reverse order as above.
7. The Saw Blade is properly tensioned when the Torgue Knob is tightened and the Knob turns but will not rotate the shaft.

FRONT END BLADE GUIDE

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	6710121	Shoulder Bolt	1
2	6710119	Blade Guide Housing	1
3	6710185	Knob	1
4	9802134	1/8 x 3/4" S.S. Dowel Pin	1
5	6710186	Nut	1
6	6710184	Barrel	1
7	6710113	Spring	1
8	6710187	Shaft	1
9	6710120	Blade Guide Screws	2
10	6710183	Spring	1
11	6710112	Blade Guide Bracket	1
12	9800862	¼-20 x 5/8 S.S. Panhead Screw	1
13	6703800	Upper Carbide (Blade Guide)	1
14	6710156	Carbides (Guide Plates)	2
15	9800841	10-32 x 7/16 S.S. Panhead Screws	4
16	**6710915**	**Front Blade Guide Complete (2 thru 15)**	
17	**6710922**	**Locking Pin Assembly (3 thru 8)**	

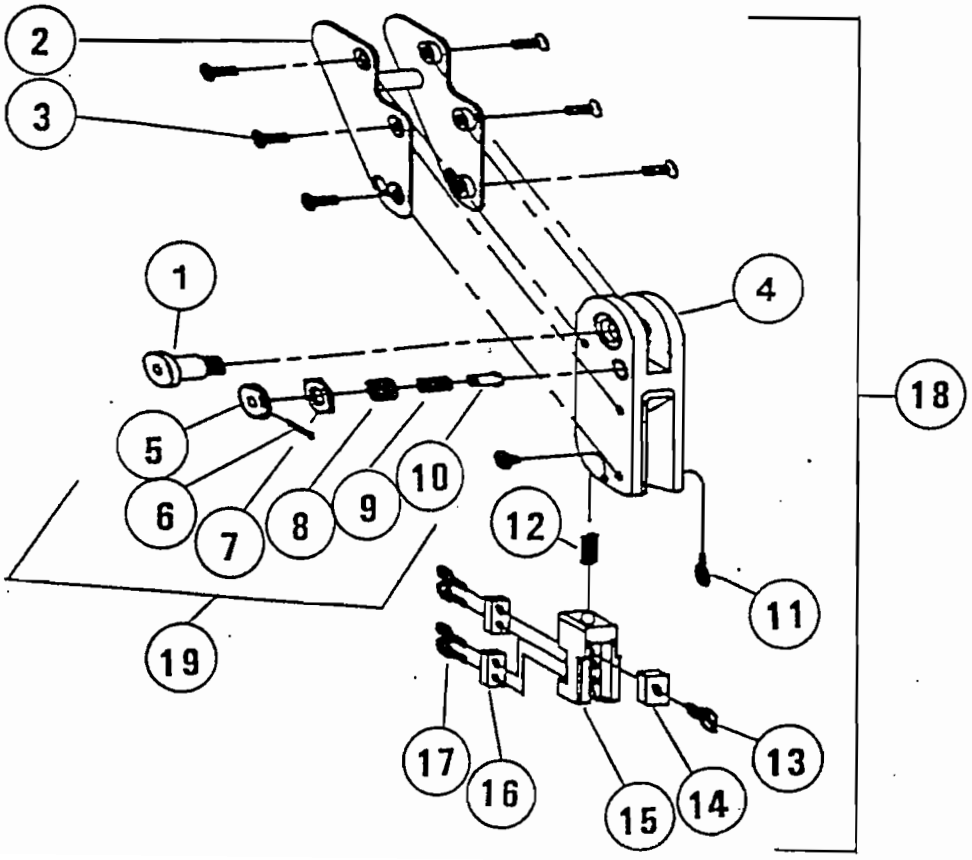
NOTE : THE CARBIDES (PART NO. 6710156) ARE SOLD AS A SET. DO NOT CHANGE ONE SIDE WITHOUT CHANGING THE OTHER.



BLADE GUIDE - DRIVE END

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	6710121	Shoulder Bolt	1
2	6710153	Guide - Backbone	1
3	9900399	10-32x1/2" S.S. Flat Head Screws 9800542 ?	6
4	6710114	Blade Guide Housing	1
5	6710185	Knob	1
6	9802134	1/8 x 3/4" S.S. Dowel Rod	1
7	6710186	Nut	1
8	6710184	Barrel	1
9	6710113	Spring	1
10	6710187	Shaft	1
11	6710120	Blade Guide Screws	2
12	6710183	Spring	1
13	9800862	¼-20 x 5/8" S.S. Pan Head Screw	1
14	6703800	Upper Carbide (Blade Guide)	1
15	6710112	Blade Guide Bracket	1
16	6710156	Carbides (Blade Guides)	2
17	9800841	10-32x7/16" S.S. Pan Head Screws	4
18	**6710916**	**Blade Guide Assembly Complete (2 thru 17)**	
19	**6710922**	**Locking Pin Assembly (5 thru 10)**	

NOTE : THE CARBIDES (PART NO. 6710156) ARE SOLD AS A SET. DO NOT CHANGE ONE SIDE WITHOUT CHANGING THE OTHER.

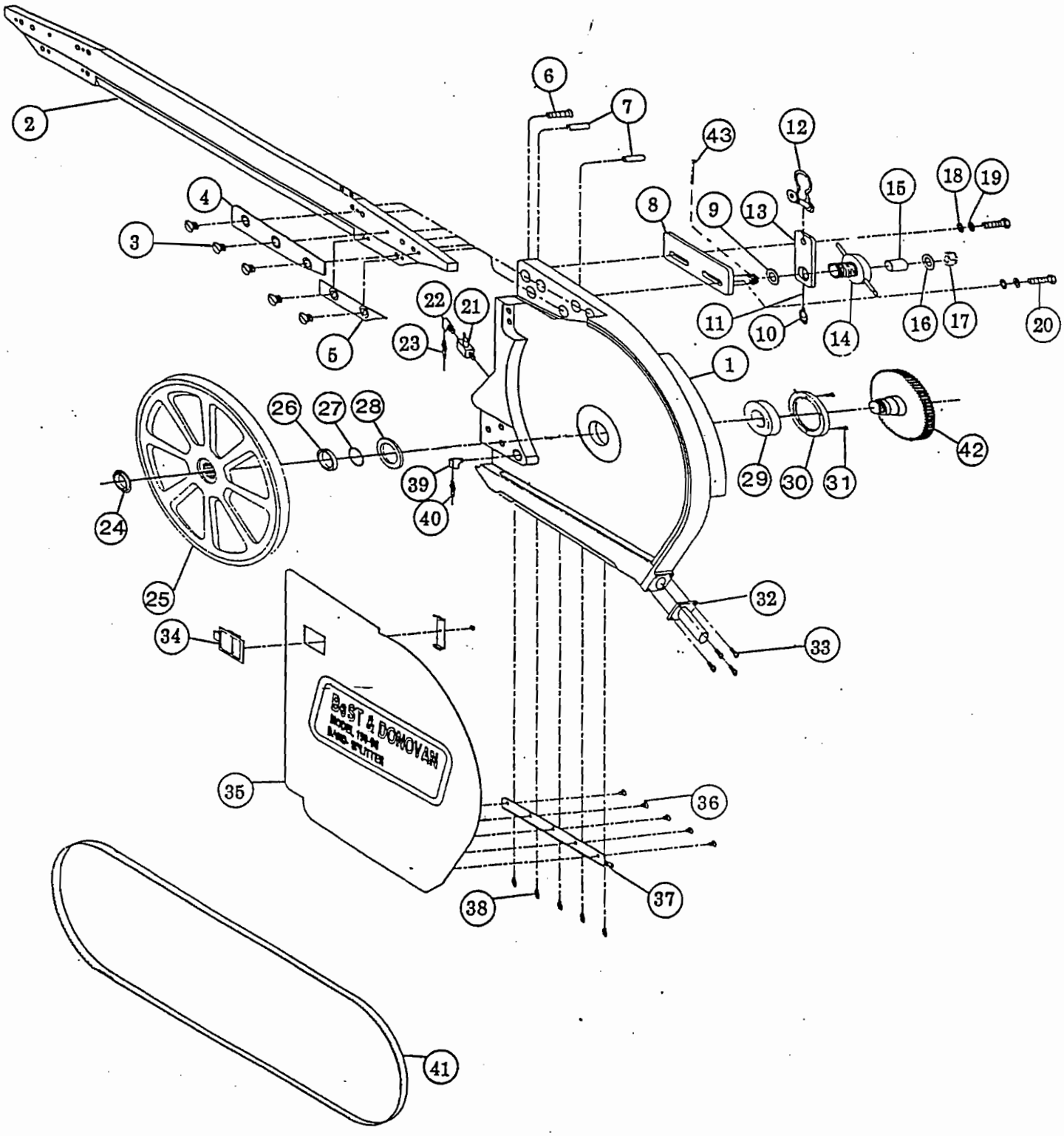


MAIN FRAME DRIVE UNIT

REF. NO.	PART NO.		DESCRIPTION	QTY.
1	6710942		Main Frame	1
2	6710128		Yoke - Back Bone	1
3	9800438		1/4-20x1/2" S.S. Flat Head Screw	5
4	6710142		Yoke Spacer - Top	1
5	6710141		Yoke Spacer - Bottom	1
6	9801444		3/8-16x1 1/2" S.S. Hex Head Cap Screw	1
7	9802172		3/8 x 1 1/2" S.S. Dowel Rod	2
8	6710987		Balancer Bar	1
9	6706400		Washer	1
10	1200700		Thumb Knob	1
11	6706500		Nylon Set Screw	1
12	6710189		Anchor Shackle	1
13	6710188		Balancer Hanger	1
14	6710166		Adjusting Knob	1
15	6710104		Bushing	1
16	6706400		Washer	1
17	6710986		Lock Nut	1
18	9801988		3/8" S.S. Washer	2
19	9801937		3/8" S.S. Lockwasher	2
20	9801446		3/8-16x2" S.S. Hex Head Bolts	2
21	6708000	*	Water Valve	1
22	6705200	*	Elbow	1
23	6705300	*	Connector - Quick Disconnect	1
24	6710944		Bearhug Nut	1
25	6710939		15" Splined Drive Wheel	1
26	6710941		Seal Ring	1
27	6710946		O-Ring	1
28	6710945		Seal	1
29	6710948		Bearing	1
30	6710949		Bearing Retainer	1
31	9901280		8-32 x ¾" S.S. S.H.C.S.	4
32	6710103		Drain Tube	1
33	9801861		1/4-20x1/2" S.S. Pan Head Screw	4
34	6710190		Main Frame Cover Latch - Modified	1
35	6710147		Drive Cover	1
36	9800394		10-32x1/4" S.S. Flat Head Screw	5
37	6710196		Drive Cover Hinge	1
38	9800861		1/4-20x1/2" S.S. Pan Head Screw	5
39	6705200		Elbow	1
40	6710191		Nozzle Jet	1
41	6710150		Blade - 126"	1
42	6710940		Splined Gear Shaft	1
43	6710985		Cotter Pin	1
N/S	6710965		Bearhug Nut Wrench	Tool

* These parts (21,22 & 23) are for the inlet water metering & connection (located on the lower motor side of the Main Frame) for the Blade Wash Sprayer (40).

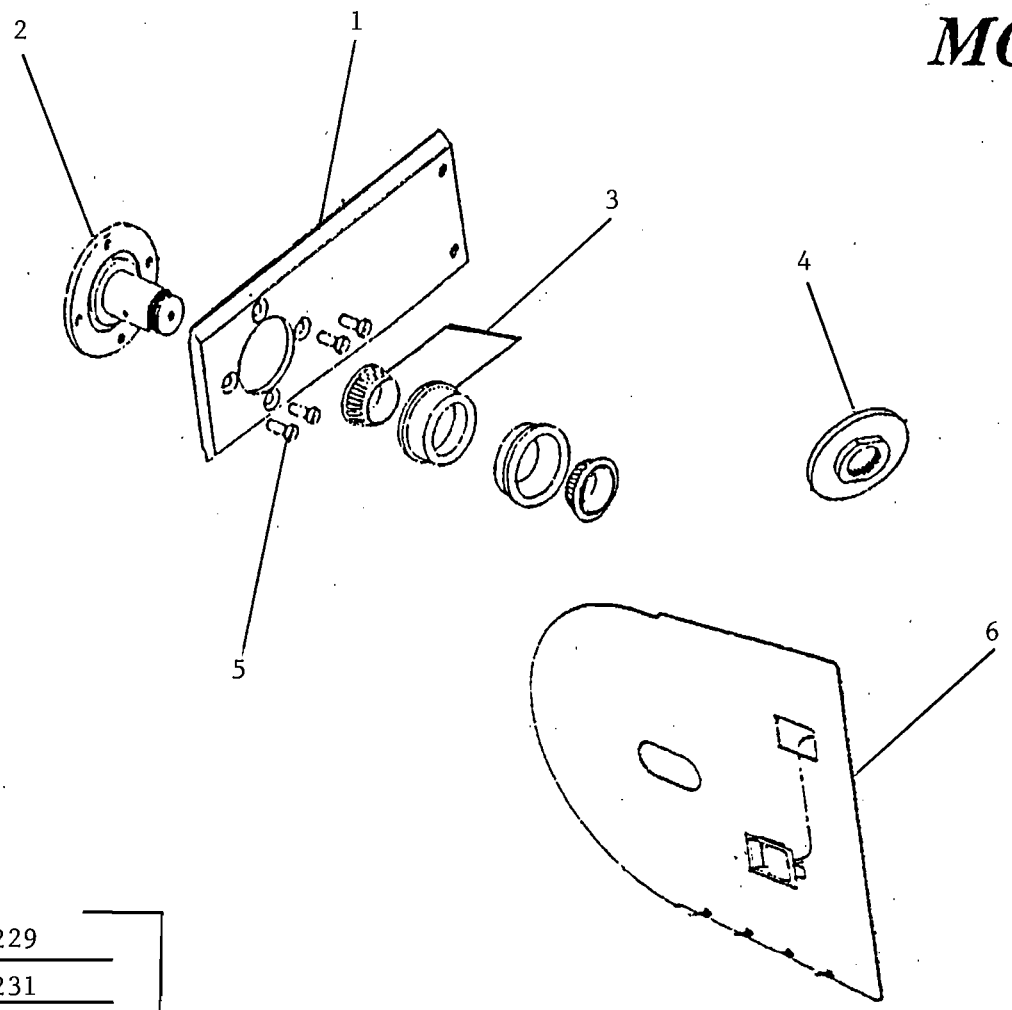
MAIN FRAME DRIVE UNIT



6712598

RETRO-FIT KIT

MODEL 150-SS

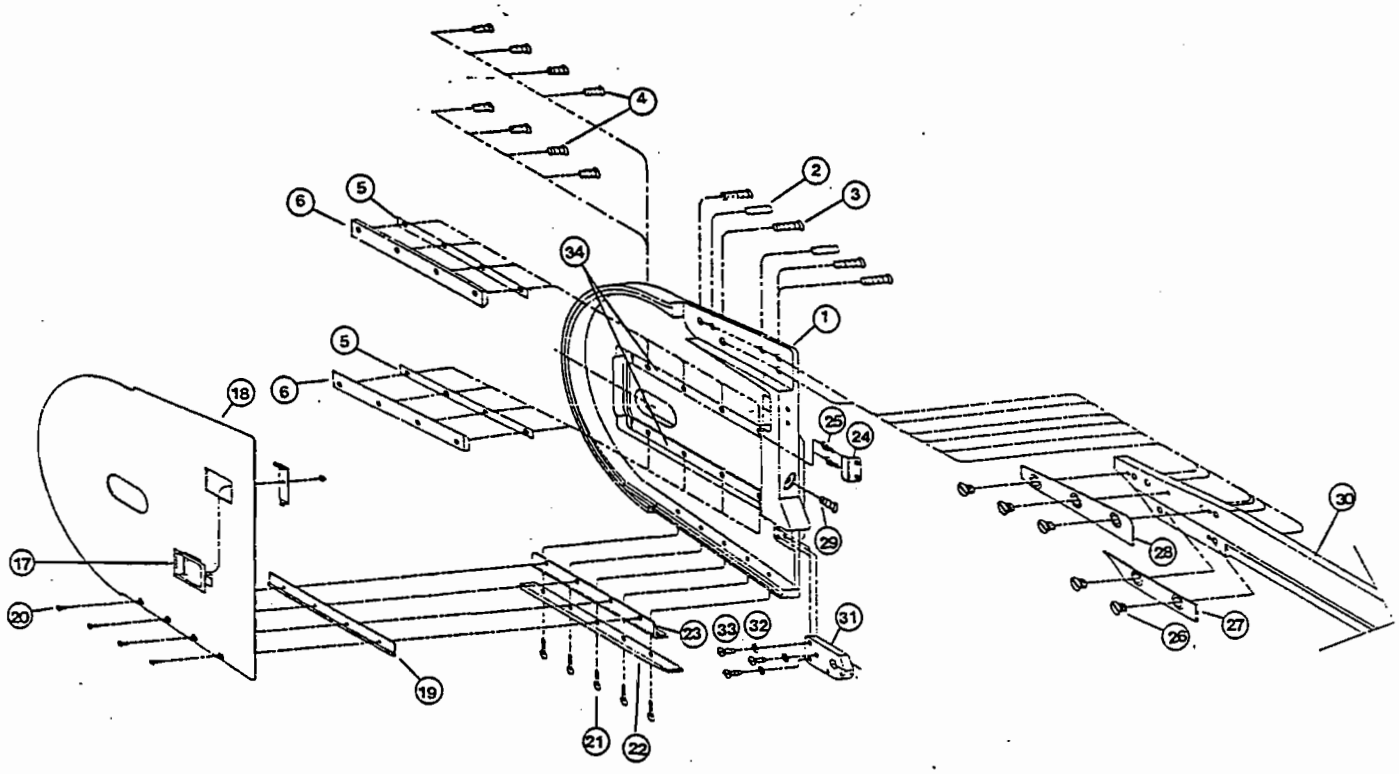


1	Slide Plate	6712229	
2	Stud	6712231	
3	Bearing	6712196	2 Ea.
4	Nut	6712233	
5	Screw	9800436	4 Ea.
6	Idler Cover	6710127	

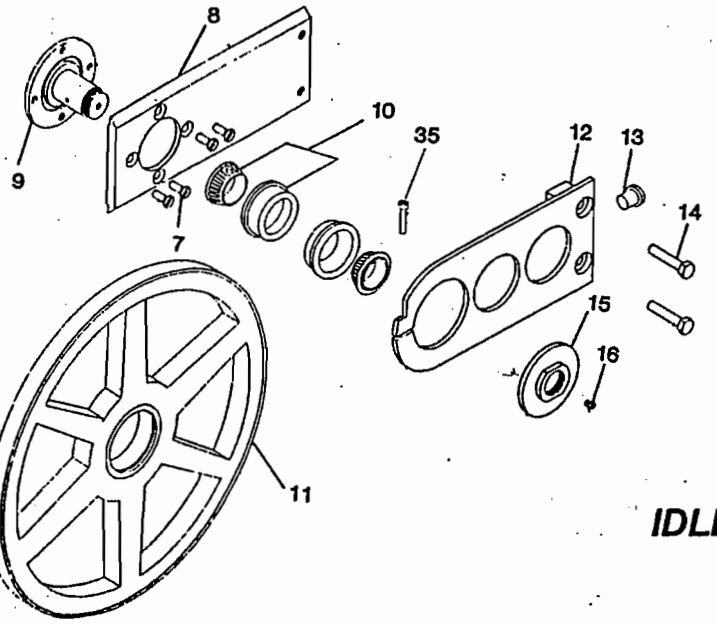
6712598

IDLER FRAME

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	6710200	Idler Frame	1
2	9802167	3/8 x 1 1/4" S.S Dowel Pin	2
3	9801444	3/8-16x1 1/2" S.S. Hex Head Cap Screw	4
4	9800243	5/16-18x3/4" S.S. Round Head Screws	8
5	6710168	Inner & Outer Slide Plate Shims .005 -	as needed
	6710169	Inner & Outer Slide Plate Shims .010 -	as needed
6	6710115	Slide Bar mounts	2
7	9800436	¼-20 x 3/8" Slotted Flat Head Screw	4
8	6710968	Slide Plate	1
9	6710956	Stud Shaft	1
10	6710958	Bearing Set	2
11	6710460	12" Idler Wheel	1
12	6710961	Idler Wheel Bearing Retainer	1
N/S	6710969	Idler Wheel Bearing Retainer Shims -	as needed
13	6710962	Idler Wheel Retainer Insert	1
14	9801431	5/16-18 x ½" S.S. Hex Head Screw	2
15	6710957	Idler Wheel Bearing Cap	1
16	6361201	Grease Fitting	1
17	6710125	Latch	1
18	6710127	Idler Cover	1
19	6710195	Hinge Spacer	1
20	9800398	10-32x1/2" S.S. Flat Head Screw	4
21	9800439	1/4-20x5/8" S.S. Flat Head Screw	5
22	6710193	Hinge Retainer	1
23	6710194	Hinge	1
24	6710148	Latch Bracket	1
25	9800863	1/4-20x3/4" S.S. Pan Head Screw	2
26	9800438	1/4-20x1/2" S.S. Flat Head Screw	5
27	6710139	Yoke Spacer - Bottom Idler	1
28	6710140	Yoke Spacer - Top Idler	1
29	6710952	Tensioner Insert	1
N/S	6710973	Tensioner Insert Lock Nut	1
30	6710128	Yoke - Back Bone	1
31	6710110	Mount Block	1
32	9801935	1/4" S.S. Lockwasher	3
33	9801414	1/4-20x1 1/2" S.S. Hex Head Screw	3
34	6710926	Inner Slide Bar	2
35	9800096	6-32 x 1" S.S. S.H.C.S.	1



IDLER FRAME



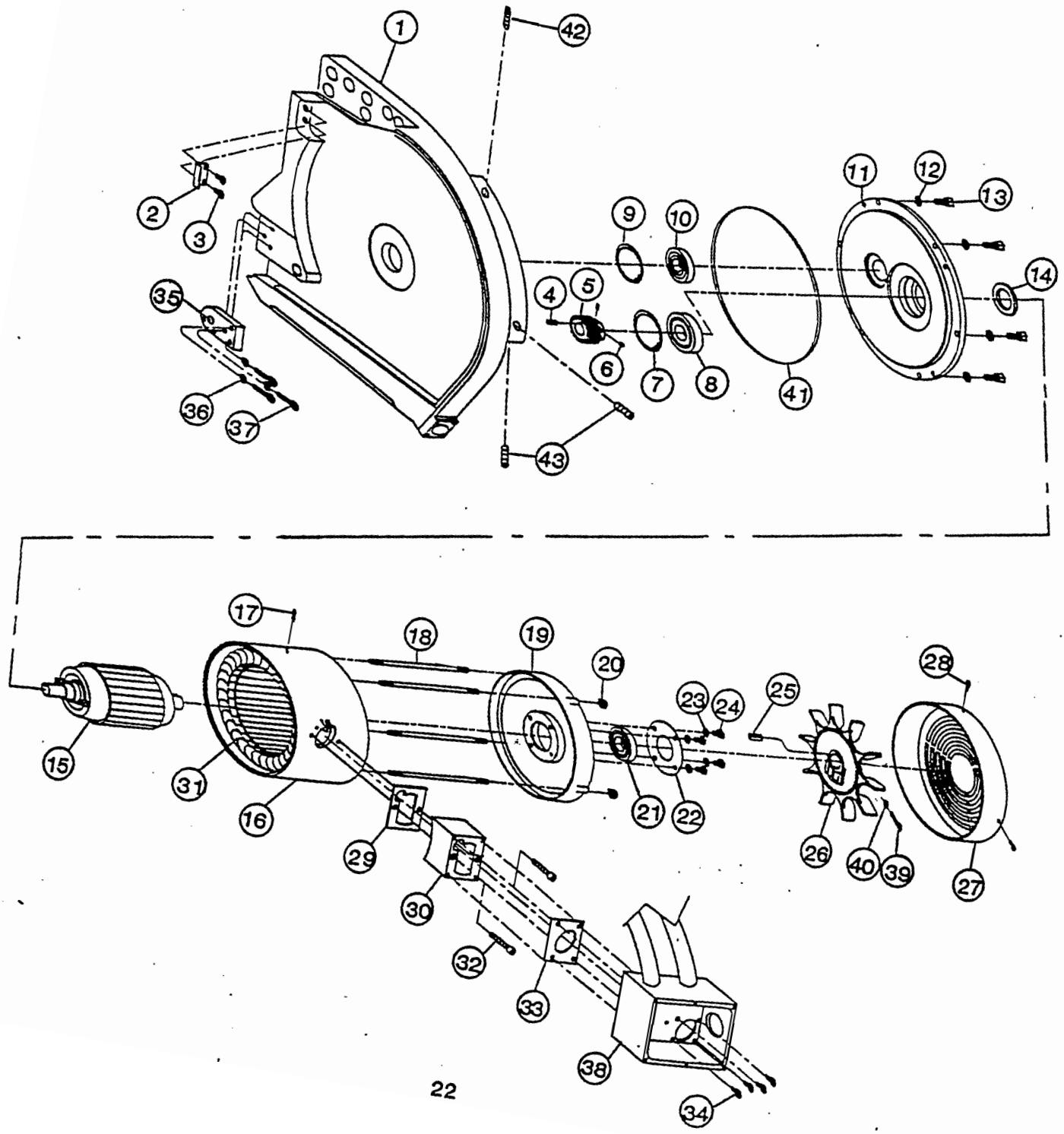
IDLER WHEEL ASSEMBLY

MOTOR ASSEMBLY

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	6710100	Main Frame	1
2	6710148	Latch Bracket	1
3	9800863	1/4-20x3/4" S.S. Pan Head Screw	2
4	6706700	Gear Key	1
5	6710130	Gear	1
6	9801857	10-32 x 1/4" Set Screws	2
7	6704493	Retaining Ring	1
8	6704393	Bearing	1
9	6710179	Retaining Ring	1
10	6710947	Bearing	1
11	6710700	Gear Box Cover	1
12	9801936	5/16" S.S. Lock Washer	6
13	9801430	5/16-18 x 1 1/4" S.S. Hex Head Bolts	6
14	6710133	Seal	1
15	6710144	Rotor	1
16	6703500	Motor Case	1
17	9801878	1/4-20x1/4" Set Screws	2
18	6704700	Motor Bolts	4
19	6703300	Rear Cover	1
20	9801734	1/4-20 S.S. Nylon Lock Nut	4
21	7541793	Bearing	1
22	6702500	Retainer	1
23	9801935	1/4" S.S. Lock Washer	4
24	9801408	1/4-20x1/2" S.S. Hex Head Bolts	4
25	6706600	Fan Key	1
26	6704200	Fan	1
27	6701050	Cover	1
28	9800840	10-32x3/8" S.S. Pan Head Screws	3
29	7541400	Gasket	1
30	6710174	Rear Handle Spacer	1
31	67036xx	* Stator (*specify voltage when ordering*)	1
32	9801302	1/4-20x1 1/2" Socket Head screws	2
33	6050500	Gasket	1
34	9800862	1/4-20x5/8" Pan Head Screws	4
35	6710110	Mount Block	1
36	9801935	1/4" S.S. Lock Washer	3
37	9801414	1/4-20x1 1/2" Hex Head Bolts	3
38	6710500	Rear Dual Handle	1
39	9802768	10-32x1 1/2" S.S. Hex Head Screw	1
40	9801704	10-32 Stop Nut	1
41	6710155	Gear Cover Seal	1
42	6710930	1/2" NPT S.S. Square Head Pipe Plug	1
43	6710929	1/4" NPT Brass Pipe Plug	2

* In the part number, xx denotes the suffix of the specific motor. Use the information on the Identification Tag when ordering so that the correct Stator is delivered.

MOTOR ASSEMBLY
MODEL 150-SS

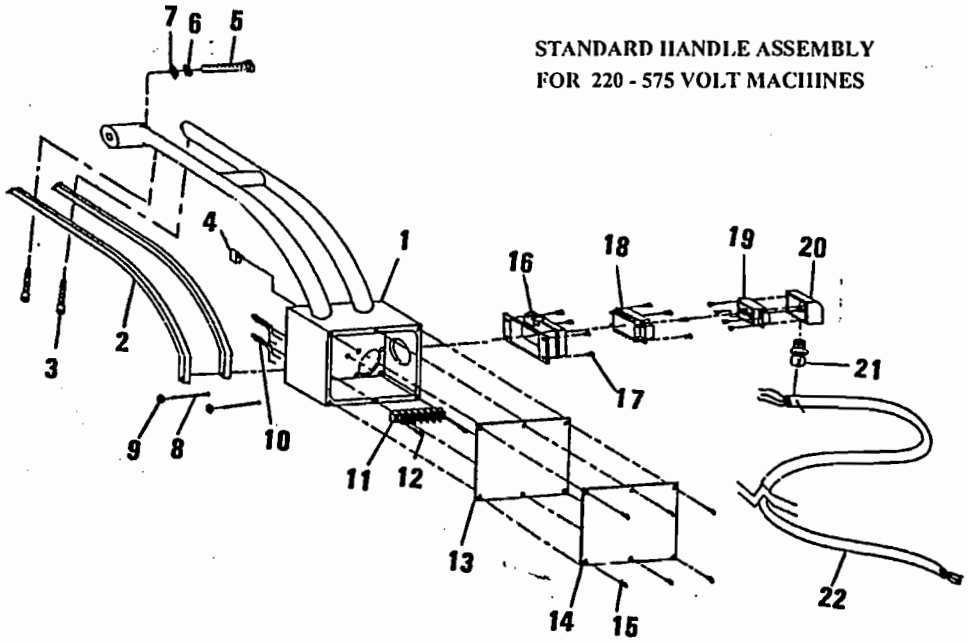


REAR DUAL HANDLE PARTS LISTING

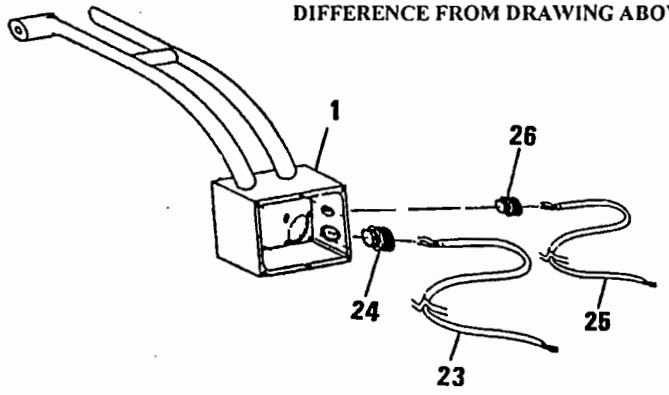
REF. NO.	PART NO.	DESCRIPTION	QTY.
1	6710500	220-575 VOLT REAR DUAL HANDLE	1
	6710977	24, 42 & 110 VOLT REAR DUALIIANDLE	1
2	6710170	LEVER	2
3	6710923	TRIGGER STOP	2
4	6523593	1/4" ELBOW CONNECTOR	1
5	9802810	3/8-16 x 5" S.S. HEX IIEAD SCREW	1
6	9801937	3/8" LOCK WASHER	1
7	9801988	3/8" FLAT WASHER	1
8	9800098	6-32 x 1 1/4" S.S. ROUND HEAD SCREWS	2
9	9802304	6-32 STOP NUTS	2
10	9753555	SWITCHES	2
11	6710107	TERMINAL STRIP	1
12	9800123	8-32 x 3/8" S.S. PAN IIEAD SCREWS	2
13	6710173	GASKET	1
14	6710172	COVER	1
15	9800820	8-32 x 3/8" S.S. PAN IIEAD SCREWS	6
16	6710911	BASE, PANEL MOUNT WITII COVER	1
17	9800123	8-32 x 1/2" S.S. PAN HEAD SCREWS	4
18	6710912	MALE INSERT	1
19	6710913	FEMALE INSERT	1
20	6710919	CORD IIOUSING	1
21	6710914	STRAIN RELIEF	1
22	6052600	#14-6 LINE WIRE - 220 TO 575 VOLT	12 ft.
23	6710982	# 2-4 LINE WIRE - 24 VOLT	12 ft.
	6710978	# 6-4 LINE WIRE - 42 VOLT	12 ft.
	6710983	# 10-4 LINE WIRE - 110 VOLT	12 ft.
24	6710984	STRAIN RELIEF FOR 24 VOLT LINE WIRE	1
	6710980	STRAIN RELIEF FOR 42 VOLT LINE WIRE	1
	6710985	STRAIN RELIEF FOR 110 VOLT LINE WIRE	1
25	6710979	24,42 & 110 VOLT MODELS CONTROL CIRCUIT WIRE	12 ft.
	6710981	STRAIN RELIEF FOR 6710979 WIRE	1
N/S	6710986	BUSHING FOR 110 VOLT STRAIN RELIEF	1

ASSEMBLIES AVAILABLE

6710974	220-575 LINE WIRE COMPLETE (INCUDES 19-22)
6710918	220-575 VOLT REAR IIANDLE COMPLETE (1-4 & 8-14)
6710920	24, 42 & 110 VOLT REAR IIANDLE COMPETE (1-4 & 8-14)



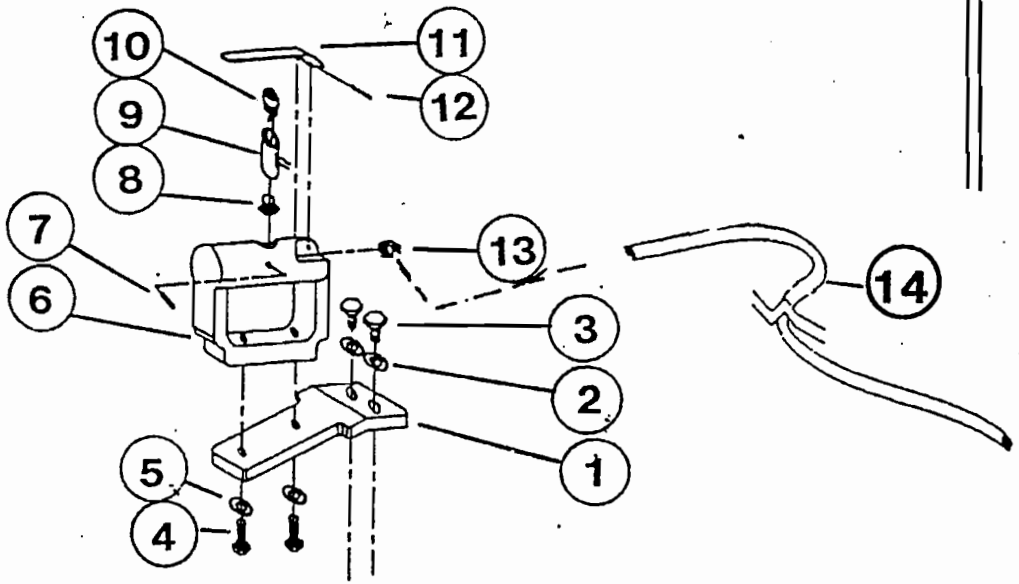
STANDARD IIANDLE ASSEMBLY
FOR 220 - 575 VOLT MACIIINES



24, 42 & 110 VOLT HANDLE
DIFFERENCE FROM DRAWING ABOVE

SIDE HANDLE

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	6710159	Handle Mount Plate	1
2	9801937	3/8" S.S. Lockwashers	2
3	9801440	3/8-16x3/4" S.S. Hex Head Bolt	2
4	9801412	1/4-20x1" S.S.Hex Head Bolt	2
5	9801935	1/4" S.S. Lockwasher	2
6	6710600	Handle	1
7	9801859	10-32x3/8" Set Screw	1
8	9739943	Plug Retainer	1
9	7710320	Insert Sleeve	1
10	9753549	Switch	1
11	6710105	Throttle Lever	1
12	6306100	Trigger Pin	1
13	6710106	1/4" x 1/4" Elbow Connector	1
14	9730991	1/4" Poly Tubing	2 ft.
15	6710921	**Front Handle Complete (6 thru 14)**	

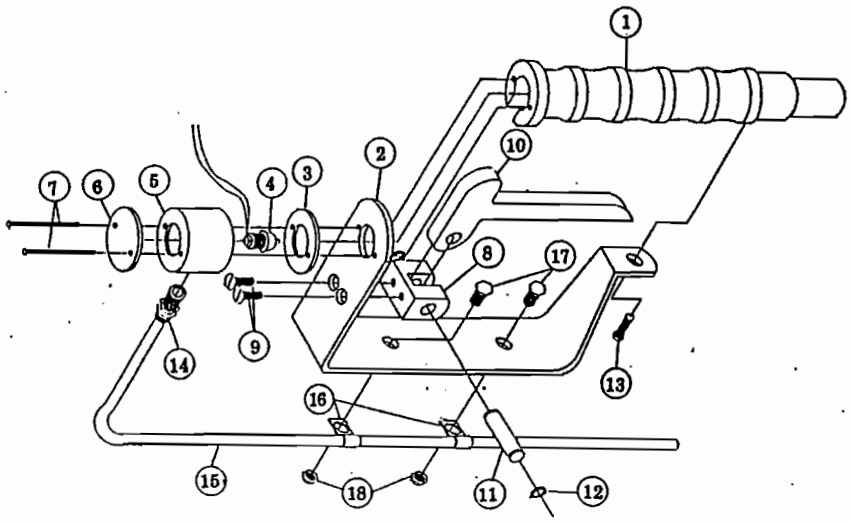


OPTIONAL DUAL CONTROL SIDE HANDLES

6" DUAL CONTROL HANDLE ASSEMBLY

PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	QTY.
1	9753506	6" Modular Handle	1
2	9753547	Finger Guard	1
3	9753528	Spacer	1
4	9753555	Switch	1
5	9753530	Switch Housing	1
6	9753532	Cover Plate	1
7	9902769	10-32x1 1/2" cap Screws	2
8	9753543	Pivot Bracket	1
9	9900396	10-32x3/8" Slotted Screw	2
10	9753641	Lever	1
11	6044500	Pin	1
12	1208193	Retaining Ring	2
13	9901408	1/4-20x1/2 Bolt	1
14	6523193	1/8" Brass Male Connector	1
15	6523391	1/4" O.D. Parflex Hose	A/R
16	6288025	Wire Clip	2
17	9902763	10-32x5/8 Bolt	2
18	9901750	10-32 Stop Nuts	2
19	6710925	Handle Bracket	1
20	9801937	3/8" S.S. Lockwashers	2
21	9801440	3/8-16x3/4" S.S. Hex Head Bolts	2
22	9901365	1/2-13x1 1/2" Bolt	1
	(Parts 19 thru 22 Not Shown)		
23	6240055	**Handle Assembly Complete (Assembly Includes Parts 1 thru 13)**	



BEST & DONOVAN
150-SS BAND-SPLITTER

NOTICE TO OPERATORS, MAINTENANCE, AND CLEANUP PERSONNEL

REMOVE ANY MALFUNCTIONING TOOL FROM SERVICE
REPORT ANY PROBLEMS TO YOUR SUPERVISOR

1. **Disconnect** the power supply in accordance with OSHA's lockout/tagout procedures (29 CFR 1910.147) before making any blade changes.
2. **Disconnect** the power supply in accordance with OSHA's lockout/tagout procedures (29 CFR 1910.147) before performing any repairs or maintenance.
3. **Disconnect** the power supply (or have the power supply disconnected) in accordance with OSHA's lockout/tagout procedures (29 CFR 1910.147) before performing any cleanup on the tool.

4. **DISCONNECT THE POWER SUPPLY WHEN THE TOOL IS NOT IN USE.**

5. **Never** put fingers, hands, or other parts of the body on the cutting edge or within the cutting path of the tool when it is connected to the power supply.
6. **Depressing** both trigger switches simultaneously activates the tool; **releasing** either trigger switch will deactivate the tool.
7. **Never** depress the trigger switches unless you want to use the tool.
8. **NEVER MAKE MODIFICATIONS OR ALTERATIONS TO THIS TOOL.**
9. ***Replace any lost or illegible labels.***

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