

2005 -



MEDIUM DUTY

STAINLESS STEEL V-BOTTOM SPREADERS

SMITH METAL WORKS

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CAUTION!!! MOVING PARTS

PLEASE READ CAREFULLY

PLEASE USE EXTREME CAUTION AROUND MOVING PARTS DURING THE OPERATION AND SERVICING OF THIS MACHINE. IT IS STRONGLY RECOMMENDED TO DISCONNECT ALL POWER SUPPLY TO THIS MACHINE BEFORE ANY SERVICE IS PERFORMED.

FOR YOUR SAFETY, THIS MACHINE IS EQUIPPED WITH "CAUTION" WARNING DECALS. PLEASE TAKE A MOMENT TO FAMILIARIZE YOURSELF OR ANYONE USING THIS MACHINE WITH THE LOCATIONS OF THESE CAUTION DECALS.

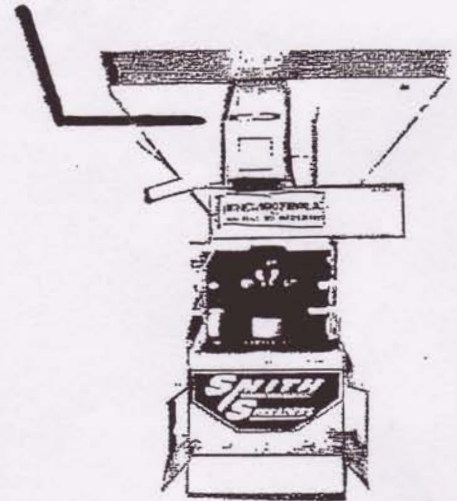
LOCATED ON THE DISCHARGE END OF THE SPREADER.

CAUTION

TO PREVENT POSSIBLE INJURY OR DEATH

DO NOT OPERATE THIS EQUIPMENT UNTIL THOROUGHLY FAMILIAR WITH PROPER OPERATION.

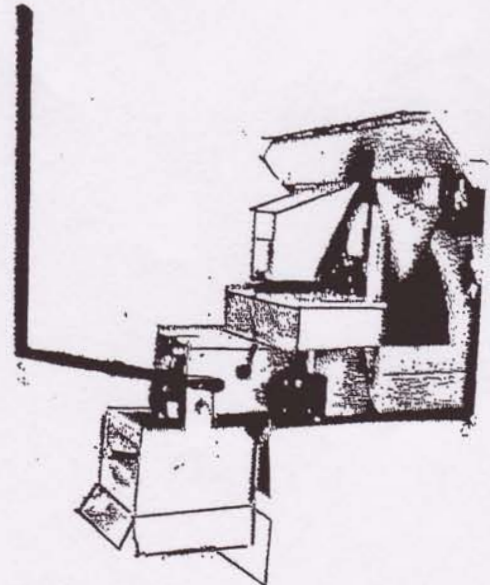
DO NOT CLEAN OR SERVICE SPREADER WITHOUT FIRST DISCONNECTING ALL POWER SOURCES.



LOCATED ON EACH SIDE OF THE SPINNER CHUTE.

CAUTION!!

TO AVOID INJURY
RAISING AND LOWERING OF CHUTE
SHOULD BE DONE WITH TWO PEOPLE.
DISCONNECT SPINNER POWER WHEN OPERATING
CONVEYOR WITH CHUTE IN RAISED POSITION.



SMITH MEDIUM DUTY SPREADER

INSTALLATION:

SMITH METAL WORKS TAKES EVERY PRECAUTION TO MAKE SURE INSTALLATION OF YOUR SALT SPREADER CAN BE ACOMPLISHED WITH AS MUCH EASE AND AS SAFE AS POSSIBLE. PLEASE TAKE A MOMENT TO INSPECT ALL COMPONENTS TO ENSURE PROPER INSTALLATION AND OPERATION.

ALL SMITH MEDUIM DUTY DUAL ELECTRIC AND GASOLINE POWERED SPREADERS COME WITH ALL ELECTRICAL COMPONENTS AND HARDWARE, OR "INSTALL KIT" PLEASE CHECK THE PROPER INSTALL KIT COMPONENT LIST PROVIDED WITH THIS MANUAL TO ENSURE PROPER INSTALLATION AND OPERATION.

OPERATION/ MAINTENANCE

THE SMITH MEDIUM DUTY SPREADER, AS WITH ALL OTHER MACHINERY, REQUIRE PERIODICAL MAINTINANCE TO ENSURE PROPER OPERATION AND FOR A TROUBLE-FREE ICE CONTROL SEASON.

MEDIUM DUTY DUAL ELECTRIC:

_____ GEARBOX OIL SHOULD BE CHANGED EVERY SPREADER SEASON. 10W NON-DETERGENT IS RECOMMENDED.

_____ CHECK ALL ELECTRICAL CONNECTIONS FOR CORROSION OR DAMAGE. A FULL 12 VOLTS TO EACH ELECTRIC MOTOR IS REQUIRED FOR PROPER OPERATION. VOLTAGE UNDER 12V MAY CAUSE EXCESSIVE AMPERAGE, WHICH MAY CAUSE THE CURCUIT BREAKER TO TRIP AND SHUT OFF THE SPREADER.

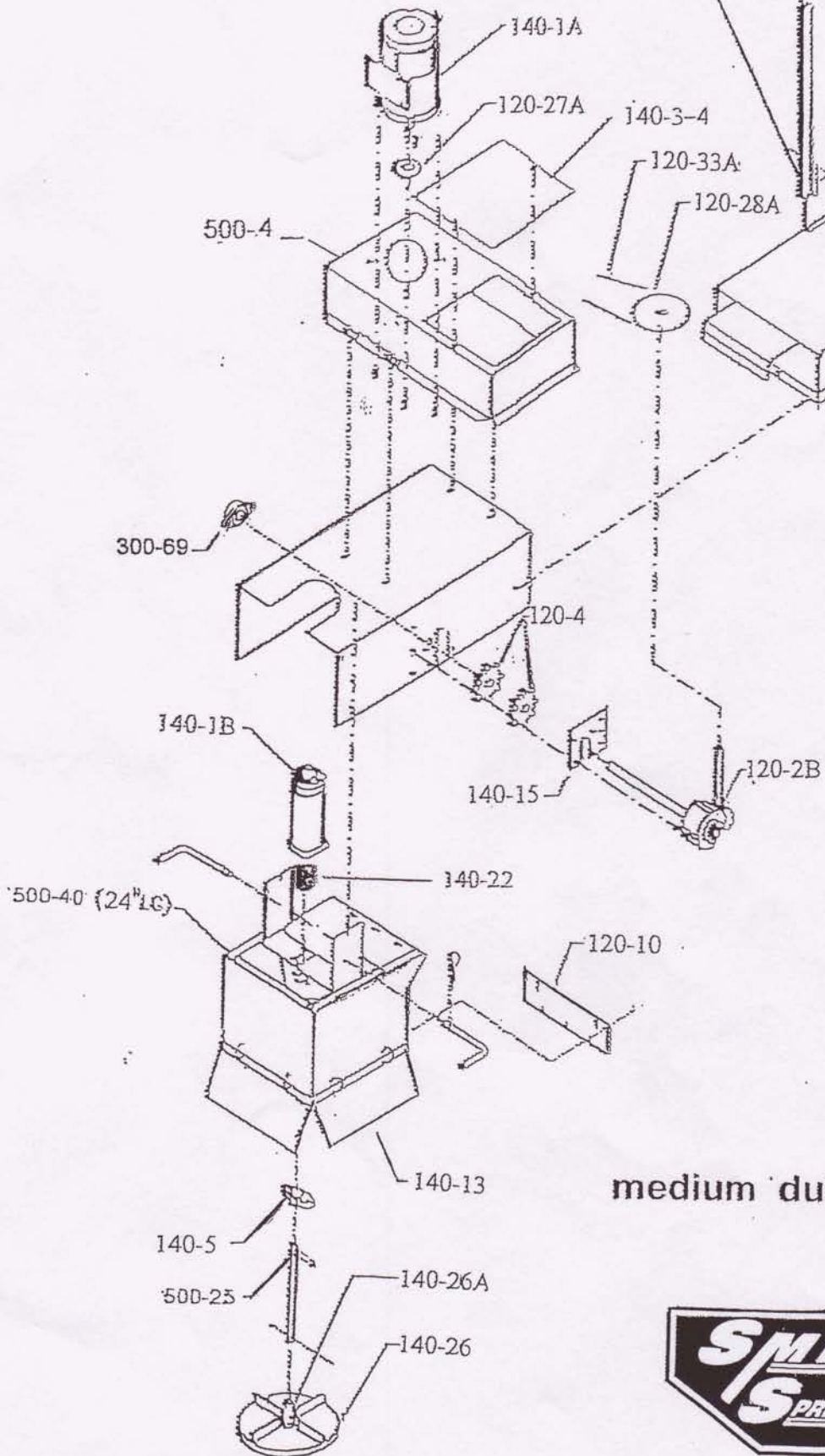
_____ REMOVE AND CLEAN THE CONVEYOR CHAIN AFTER EACH SEASON OF OPERATION. SUBMERSING THE CONVEYOR CHAIN IN OIL DURING THIS PERIOD IS RECOMMENDED.

MEDIUM DUTY GAS SPREADERS:

_____ GEARBOX OIL SHOULD BE CHANGED EVERY SPREADER SEASON. 85W - 140W GEAR OIL IS RECOMMENDED.

CHANGE ENGINE OIL AS REQUIRED BY THE ENGINE MANUFACTURER'S OWNER MANUAL.

SPINNER/CONVEYOR DRIVE

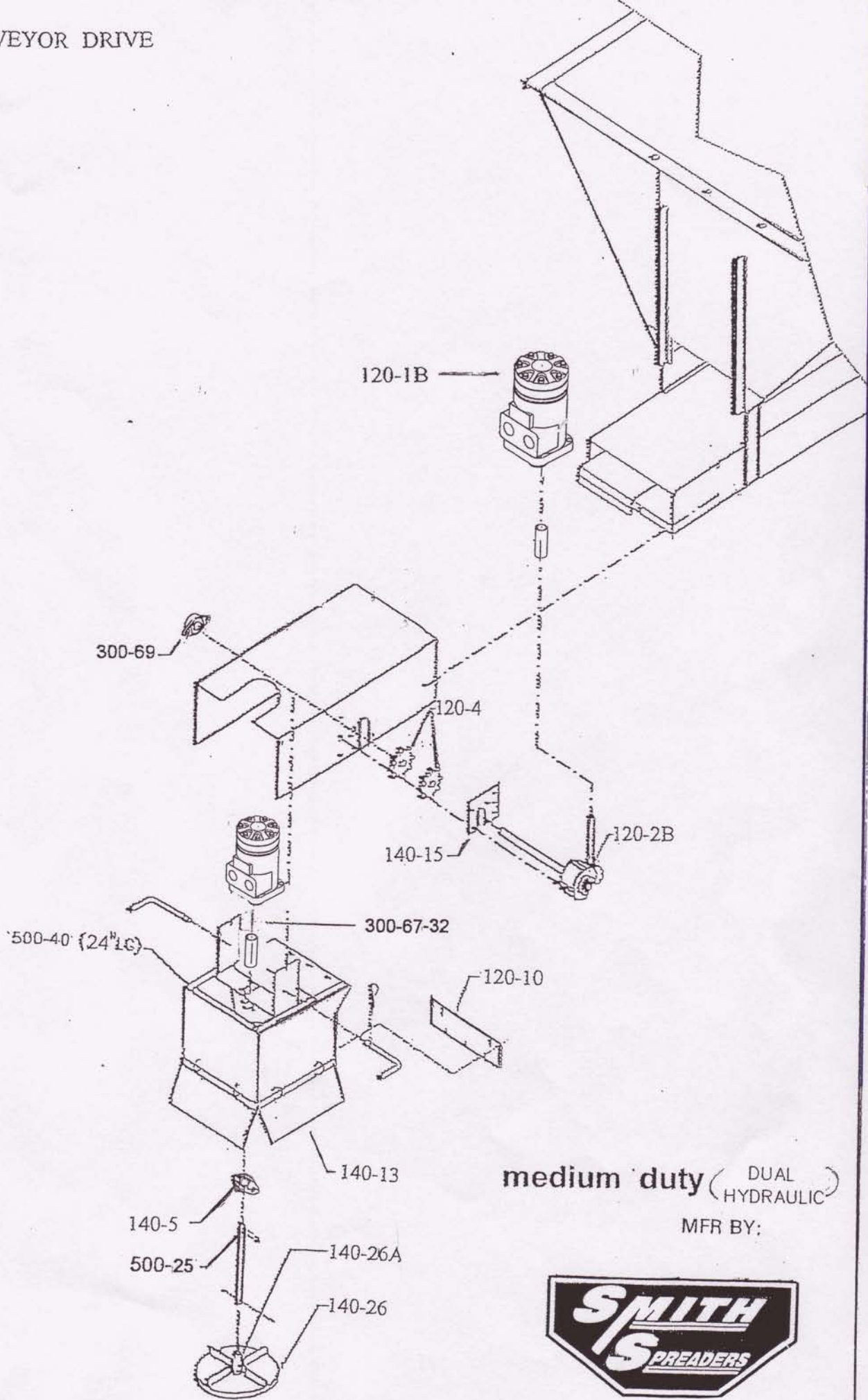


medium duty (ELECTRIC)

MFR BY:



SPINNER/CONVEYOR DRIVE

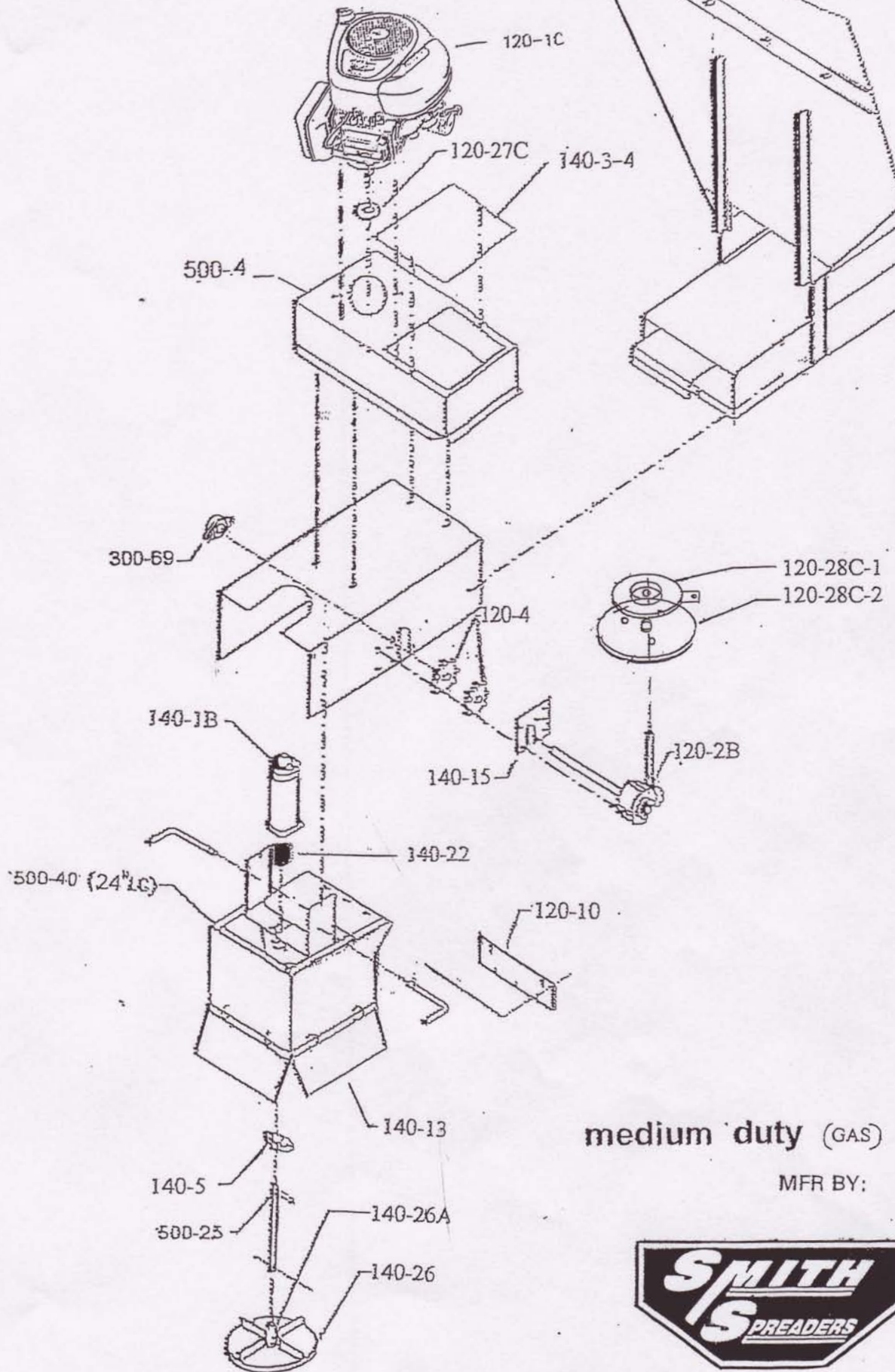


medium duty (DUAL HYDRAULIC)

MFR BY:



SPINNER/CONVEYOR DRIVE



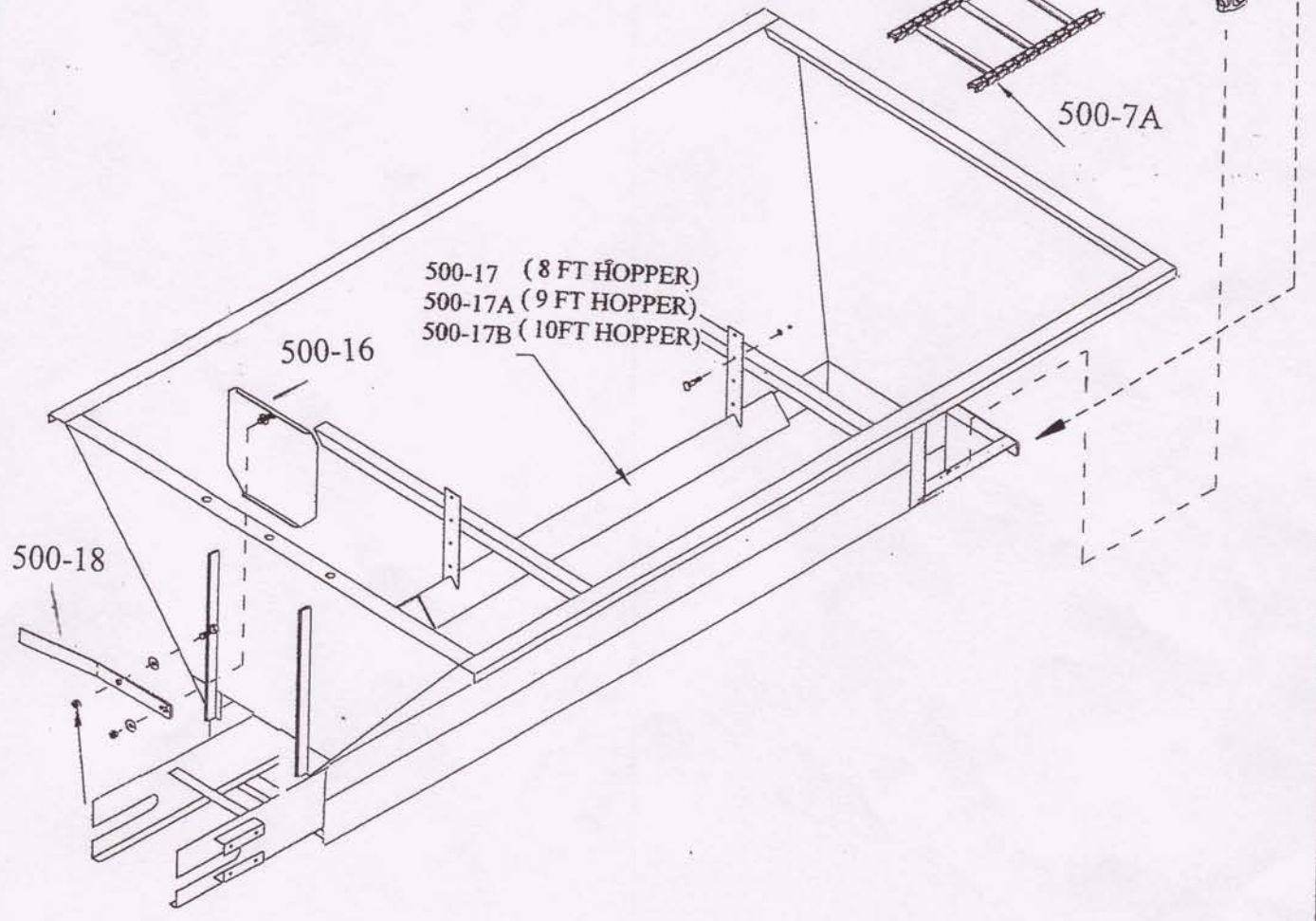
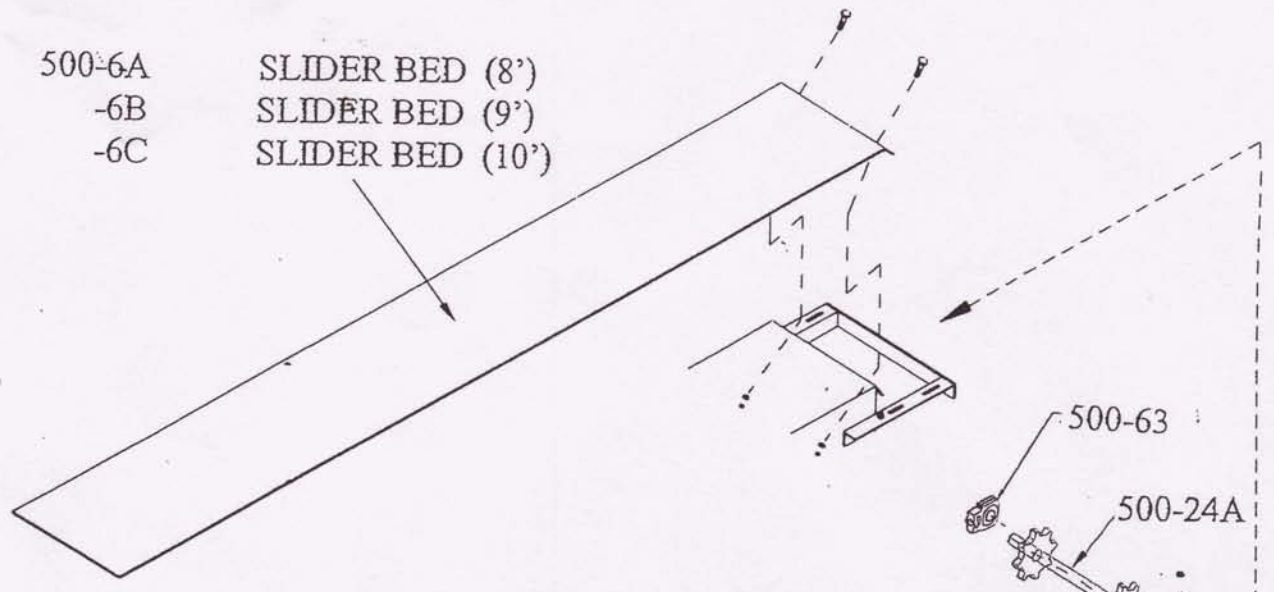
medium duty (GAS)

MFR BY:



HOPPER SUBASSEMBLY

- 500-6A SLIDER BED (8')
- 6B SLIDER BED (9')
- 6C SLIDER BED (10')



INSTALLATION

PLACEMENT OF SPREADER IN TRUCK

ALL SERIES III SPREADERS ARE SHIPPED WITH TWO HARDWOOD PLANKS BOLTED TO THE BOTTOM OF THE CHASSIS. WE RECOMMEND LEAVING THESE IN PLACE, AS THEY ALLOW SPILLAGE TO REMAIN CLEAR OF THE CONVEYOR CHAIN AND ASSIST IN WASHING OUT FROM UNDERNEATH THE SPREADER IF NEEDED.

EACH SPREADER HAS 3 LIFT HOOKS PER SIDE. THE TWO IN THE CENTER IS THE APPROXIMATE BALANCE POINT TO BE USED WHEN INSTALLING OR REMOVING THE SPREADER. THE OTHER 4 HOOKS ARE THERE FOR SECURING THE SPREADER IN THE TRUCK. EACH SPREADER COMES WITH 4 HEAVY DUTY RATCHET STRAPS TO BE USED AT THE 4 CORNERS. USE CAUTION WHEN TIGHTENING THESE STRAPS, AS THEY ARE STRONG ENOUGH TO DISTORT THE SPREADER. WE RECOMMEND USING BLOCKING TO PREVENT THE SPREADER FROM STRIKING THE CAB OF THE TRUCK IN THE EVENT OF AN EMERGENCY STOP.

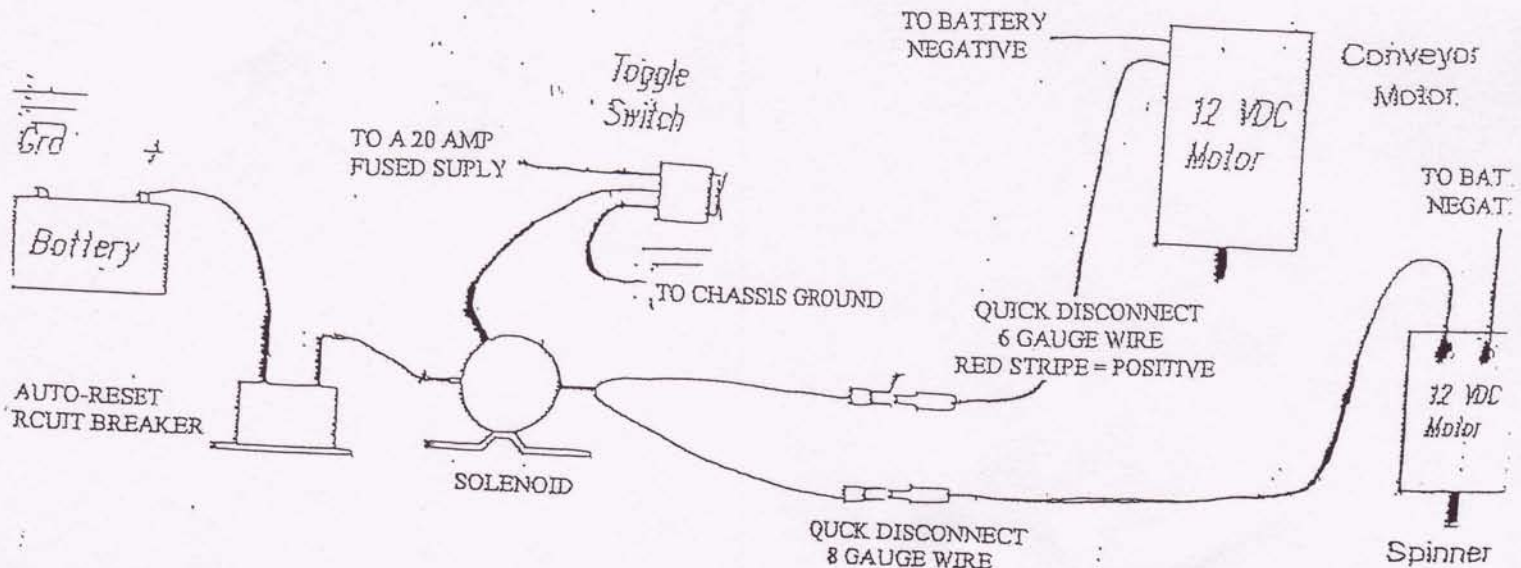
HOOK UP INSTRUCTIONS

DUAL ELECTRIC DRIVE

EACH SPREADER COMES WITH AN INSTALLATION KIT, COMPLETE WITH ALL COMPONENTS NEEDED TO HOOK UP THE SPREADER. THE ILLUSTRATION BELOW IS A GUIDE TO FOLLOW DURING THE ELECTRICAL PORTION OF THE INSTALLATION. IF YOU HAVE TROUBLE PERFORMING THIS PART OF THE INSTALLATION, CONTACT YOUR DEALER FOR HELP.

DUAL HYDRAULIC DRIVE

USING 1/2" HOSES CONNECT SUPPLY HOSES TO THE SIDE FOR PROPER ROTATION. FOR THE RETURN SIDE, RUN 1/2" HOSES TO A "Y" FITTING CONNECTED TO A 3/4" HOSE OR PIPE RUNNING BACK TO THE RESERVOIR. THE "Y" FITTING MUST BE PLUMBED IN SUCH A WAY THAT BACK FLOW TO THE SLOWER MOTOR IS ELIMINATED. CHECK WITH THE DEALER FOR CLARIFICATION.



medium duty

CANIMEX 8039 GEARBOX - HOLLOW BORE PARTS LIST

500-2 B -

ITEM	DESCRIPTION	QTY
1	OIL SEAL	1
2	TAPERED ROLLER BEARING 30305 (25.4mm)	2
3	WORM GEAR	1
4	SQUARE KEY $\frac{1}{4} \times \frac{1}{4} \times 1\frac{1}{2}$	1
5	PLUG $\frac{3}{8}$ PT	1
6	BOLTS (M10x1.5 x 20L)	4
7	OUTPUT COVER	1
8	PLUG $\frac{1}{4}$ PT	7
9	HOUSING	1
10	INTERNAL CIRCLIP R62	1
11	INPUT WORM SHAFT	1
12	GREASE FITTING	1
13	BOLTS (M8x1.25 x 20L)	3
14	INPUT COVER	1
15	TAPERED ROLLER BEARING 30206	2
16	OIL SEAL 30 x 62 x 8, DOUBLE LIPS	1
17	SQUARE KEY $\frac{1}{4} \times \frac{1}{4} \times 7\frac{1}{2}$	1
18	GASKET	1

