ROADTEC SB-2500B SHUTTLE BUGGY MATERIAL TRANSFER VEHICLE



PARTS MANUAL

P.N. 120489-AF
S/N. 600 - 617
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ROADTEC
an Astec company

HOW TO ORDER PARTS

THE ROADTEC PARTS DEPARTMENT NEEDS THE FOLLOWING INFORMATION TO PROCESS YOUR ORDER PROPERLY AND ACCURATELY.

1. YOUR COMPANY'S NAME AND PURCHASE ORDER NUMBER.
2. NAME AND ADDRESS OF PERSON OR PLACE TO WHOM PARTS ARE TO BE SHIPPED.
3. METHOD OF SHIPMENT. (MOTOR FREIGHT, UPS, AIR, ETC...)
4. MODEL AND SERIAL NUMBER OF THE MACHINE FOR WHICH PARTS ARE BEING ORDERED.
5. PART NUMBER, DESCRIPTION, AND QUANTITY OF PARTS.
6. THE LOCATION OF PART(S) IN THE ROADTEC PARTS MANUAL.

ONCE THE ABOVE INFORMATION HAS BEEN OBTAINED, CONTACT THE ROADTEC PARTS DEPARTMENT AT :

ROADTEC INC. / PARTS DEPARTMENT
2909 RIVERSIDE DRIVE
CHATTANOOGA, TN. 37406
MONDAY-FRIDAY 7:00AM – 8:30PM EASTERN
SATURDAY 7:00AM – 12:00PM EASTERN
PHONE : (423) 622-9202 **TOLL FREE : 1-877-266-8882**
PARTS FAX : 423-622-9072 **USED SALES FAX : 423-622-7318**

RESPONSIBILITY FOR BREAKAGE, LOSS OR DAMAGED GOODS, CEASES UPON DELIVERY OF THE MERCHANDISE TO THE TRANSPORTATION COMPANY FOR WHICH A RECEIPT IS RECEIVED SHOWING THAT THE SHIPMENT WAS ACCEPTED BY THEM IN GOOD CONDITION. IF ANY OF THE MATERIAL LISTED ON THE BILL OF LADING OR EXPRESS RECEIPT IS SHORT, BROKEN, OR DAMAGED, DO NOT ACCEPT THE SHIPMENT UNTIL THE CARRIERS AGENT MAKES A NOTATION OF THE SHORTAGE OR DAMAGE ON THE EXPENSE BILL. NOTIFY THE TRANSPORTATION COMPANY'S AGENT AT ONCE AND REQUEST AN INSPECTION.

THIS IS ABSOLUTELY NECESSARY.

IF THE AGENT DOES NOT MAKE AN INSPECTION, THEN AN AFFIDAVIT SHOULD BE MADE STATING THAT HE WAS NOTIFIED (ON THE DATE) AND FAILED TO DO THE INSPECTION. THIS AFFIDAVIT WITH OTHER PAPERS WILL PROPERLY SUPPORT YOUR CLAIM.

WARRANTY

Manufacturer (Roadtec, Inc.) warrants, commencing with the date of shipment to first end-user and for a period of 12 months thereafter or 1,000 hours of operation, whichever occurs first, all machinery and parts manufactured by Roadtec, Inc. to be free from defects in workmanship and material. **Warranty remains in force for the above time period only if all Manufacturer's operational procedures are followed and recommended maintenance is performed.** If, within such warranty period, any machinery or parts shall be proved to Manufacturer's satisfaction to be defective, it shall be repaired or replaced, at the Manufacturer's option, F.O.B. Manufacturer's warehouse. All failed parts or components must be returned to Manufacturer prepaid for inspection before credit will be issued for new parts or components.

Wear parts such as: conveyor lines, screed plates, cutter teeth, tooth holders, scraper blades, track pads, tires and conveyor belts are warranted only if found to be defective at time of shipment, but are not warranted for the warranty period against wear or abuse.

With respect to machinery, parts or accessories to Manufacturer's products which are furnished but not manufactured by Manufacturer, Manufacturer's warranty obligation shall in all respects conform and be limited to the warranty extended to Manufacturer by its supplier or, if none, to the warranties expressed herein. No warranty shall apply to machinery, parts or accessories which have been repaired or altered by others so as, in Manufacturer's judgment, to affect the same adversely or which shall have been subject to negligence, accident or improper care, installation, maintenance, storage or other than normal use or service, during or after shipment.

THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND MANUFACTURER SHALL NOT BE SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES WHATSOEVER WITH RESPECT TO MACHINERY, PARTS, ACCESSORIES OR SERVICES MANUFACTURED OR FURNISHED BY IT OR ANY UNDERTAKINGS, ACTS OR OMISSIONS RELATING THERETO. UNDER NO CIRCUMSTANCES SHALL MANUFACTURER BE LIABLE FOR ANY CONSEQUENTIAL OR OTHER DAMAGES, EXPENSES, LOSSES OR DELAYS HOWSOEVER CAUSED. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

ROADTEC
an Astec Industries Company

ROADTEC, INC.
Chattanooga, Tennessee

CALIFORNIA

Proposition 65 Warning

Diesel engine exhaust and some of its constituents are known to the state of California to cause cancer, birth defects and other reproductive harm

GENERAL INFORMATION

This parts manual contains a listing of all parts of the ROADTEC Shuttle Buggy. A sectional index immediately follows this introduction.

This catalog is divided into Numerical sections, each section has an alphabetical table of contents of its assemblies. The pages within each section are numbered with the section number and the number of the page within the section such as 1.1 (Sect. 1, Page 1, etc...). The page numbers are located bottom center of each page.

The parts shown in the illustrations are numbered and correspond to the number appearing in the REF. NO. column of the parts list immediately following the illustration. DO NOT ORDER PARTS BY THE REFERENCE NUMBERS. Each Ref. No. is followed by the ROADTEC part number for that particular part.

When ordering parts, be sure to provide the serial number of the machine for which the parts are being ordered. Specify how parts shipment is to be forwarded.(See " How To Order Parts." On the inside front cover of this catalog.)

Record the serial no. of your machine, its engine, and any other equipment in the space provided below. Our Service Department will need this information to provide you with prompt, efficient service when you order parts or optional equipment.

The warranty on this equipment appears on the inside back cover of this catalog.

MACHINE RECORD **Date Purchased** _____

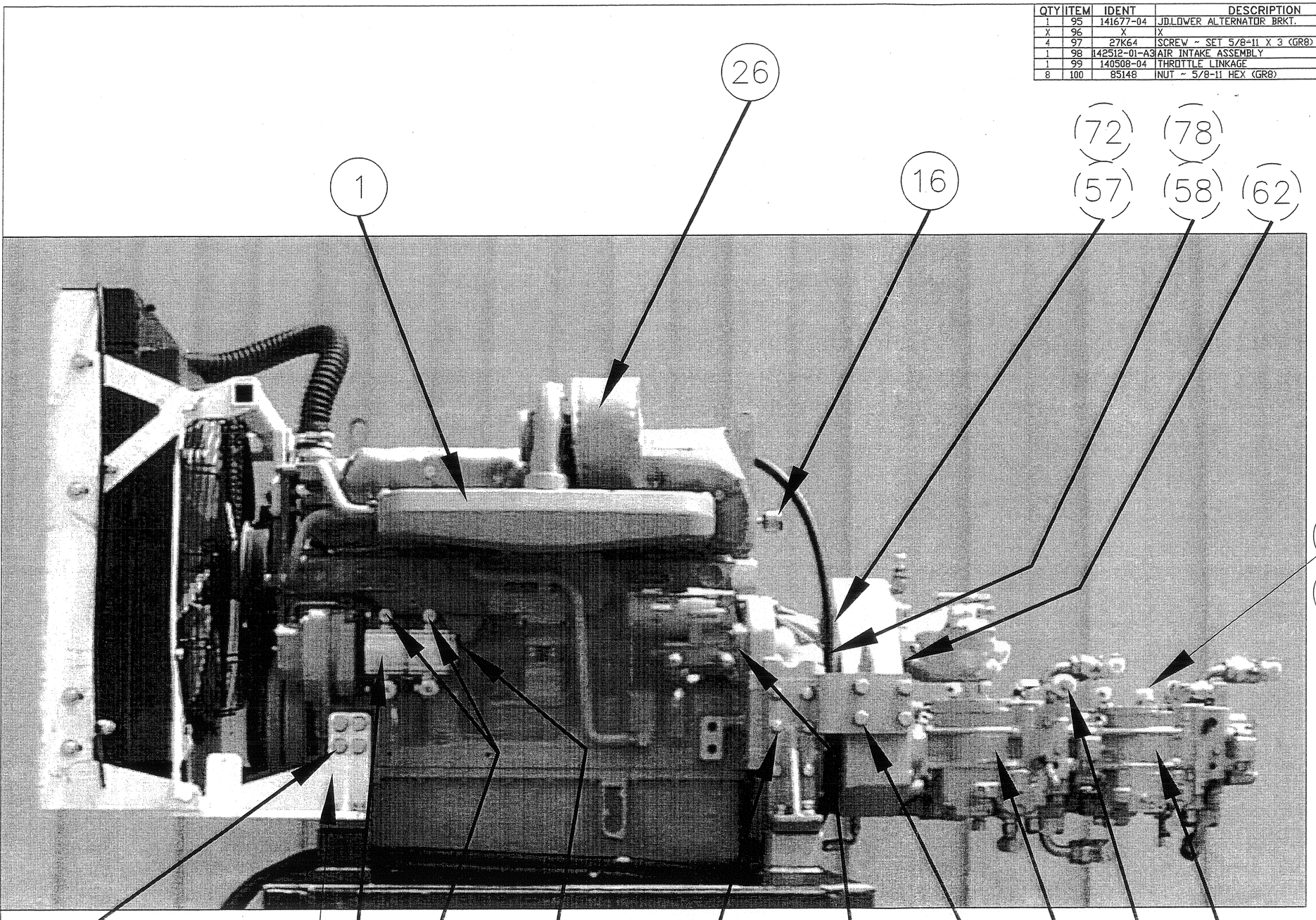
MACHINE MODEL:
SERIAL NO.:
CATALOG NO.:

ENGINE MAKE:
SERIAL NO.:
MODEL NO.:

OPTIONS :
SERIAL NO.:
CATALOG NO.:

SECTION 1 : ENGINE

ASSEMBLY	PART NO.	S/N	PAGE NO.
ENGINE – PUMPS	147113-01	585 & UP	1.1
ENGINE – RADIATOR	145376-01	580 & UP	1.8
ENGINE – EXHAUST	142185-01	484 & UP	1.11



QTY	ITEM	IDENT	DESCRIPTION
1	95	141677-04	JD.LOWER ALTERNATOR BRKT.
X	96	X	X
4	97	27K64	SCREW ~ SET 5/8-11 X 3 (GR8)
1	98	142512-01-A3	AIR INTAKE ASSEMBLY
1	99	140508-04	THROTTLE LINKAGE
8	100	85148	NUT ~ 5/8-11 HEX (GR8)

QTY	ITEM	IDENT	DESCRIPTION
1	1	140349-03	ENGINE~ JOHN DEERE 8.1L 275 HP
1	2	89687-04	ALTERNATOR-12 ~ 24 VOLT W/FAN
1	3	130176-01-C2	ALTERNATOR PULLEY
1	4	144422-01	PUMP DRIVE GEAR BOX (DURST)
1	5	128178-04	AUX. PUMP~ REXROTH AA10V45
2	6	99814	C1 & C2 PUMP SUNSTRAND 90/100
2	7	29J94	C3 & DRIVE PUMP SUNSTRAND 90/75
⚠ 2	8	92775	FLG ADAPTER ~ 16 JIC X 16 FLG. 90 CODE 62
1	9	137454-04	FUME-X PUMP ~ TANDEM CASAPPA PLP 30.22
1	10	141615-01	DRIVE PLATE SPRING COUPLING
1	11	137838-04	HOUR METER
1	12	143867-03	HOUR METER BRACKET
1	13	131895	TEMPERATURE GAGE
1	14	145331-01	LEFT FRONT MOTOR MOUNT
2	15	137839-04	PSI SWITCH
1	16	144409-03	TEMPERATURE SHUT DOWN SWITCH
1	17	84496-04	THROTTLE CABLE ROD END
1	18	140662	THROTTLE CABLE
1	19	140549-01	THROTTLE BRACKET
2'	20	50P03	FUEL RET. LINE BUSHING(1/4 odX .30 wall COPPER TUBE)
4	21	130860	FUEL LINE CLAMP
1	22	92785-04	FUEL LINE 1/4' X 10'
1	23	80132-04	FUEL LINE 3/8' X 10'
1	24	91321-04	OIL BREATHER TUBE 3/4' X 12'
1	25	143011-01	RIGHT FRONT MOTOR MOUNT
1	26	140613	TURBO BLANKET KIT
1	27	145376-01	RADIATOR ASSEMBLY
1	28	140016-02L	LEFT REAR MOTOR MOUNT
1	29	83953-04	6 JIC SWIVEL 90°
1	30	132960-04	6 JIC X 1/4 NPT FEMALE STRAIGHT
2	31	123831	10 SAE X 8 JIC 90°
X	32	X	X
2	33	96597	12 X16 JIC ADAPTOR
2	34	97551	10 SAE X 12 JIC 90°
1	35	85874-04	16 SAE X 12 JIC ST.
1	36	83768-04	24 SAE X 24 JIC STRAIGHT
4	37	83457-04	12 SAE X 12 JIC STRAIGHT
1	38	90952-04	12 JIC SWIVEL 45°
2	39	97168	20SAE X 20 JIC 90°
8	40	90729	#16 FLANGE KIT
3	41	95981	16 X 20 JIC FLG. 90°
3	42	99556	20 JIC SWIVAL BRANCH TEE
6	43	83958-04	20 JIC X 12 JIC REDUCER
7	44	83734-04	6 SAE X 6 JIC 90°
7	45	131680-04	#6 JIC TEST PORT
9	46	85949-04	TEST PORT CAP
1	47	89898-04	12 JIC BRANCH TEE
2	48	91660	16 SAE X 16 JIC 90°
2	49	84654-04	16 JIC SWIVEL 90°
2	50	85948-04	6 SAE TEST PORT
1	51	85303-04	12 SAE RUN TEE
1	52	80349-04	1/4 NPT X 3/8 BARB
1	53	84566-04	1/8 NPT RUN TEE
1	54	84560-04	1/8 X 4 JIC 90°
8	55	97408	5/8-11 X 2 3/4 HEX BOLT
20	56	86164	1/2-13 X 1 1/4 HEX BOLT
8	57	89143	5/8-11 X 1 3/4 HEX BOLT
12	58	96476	3/8-16 X 1 1/4 HEX BOLT
1	59	140016-02R	RIGHT REAR MOTOR MOUNT
5	60	86127-04	3/8-16 X 3/4 HEX BOLT
18	61	93144	1/2-13 X 1 1/2 HEX BOLT
8	62	97027	3/8-16 X 3/4 SOCKET HEAD BOLT
1	63	98247	1/4 NPT PLUG
1	64	99534	16 X 20 JIC FLG 45
8	65	27D22	NUT ~ JAM 5/8-11
4	66	84674	1/2-13 X 2 HEX BOLT
1	67	142185-01	EXHAUST ASSY FOR JOHN DEERE (NOT SHOWN)
2	68	94437	1/2-20 X 6 1/2 HEX BOLT
2	69	01157	6MM X 16 SOCKET HEAD BOLT
2	70	89297	5/16-18 X 1 HEX BOLT
6	71	00876	3/8-16 X 2 1/2 HEX BOLT
40	72	84717	5/8 LOCK WASHER
36	73	26F83	5/8 HARD WASHER
35	74	83317	1/2 LOCK WASHER
14	75	10D63	1/2 HARD WASHER
18	76	83781-04	1/2 FLAT WASHER
20	77	05707	1/2 CONICAL WASHER
6	78	83056	3/8 LOCK WASHER
6	79	83757	3/8 FLAT WASHER
2	80	83065	1/4 LOCK WASHER
2	81	87328-04	5/16 LOCK WASHER
2	82	90871	5/16 FLAT WASHER
1	83	89772	1/4-20 HEX NUT
1	84	121839	1/4-20 LOCK NUT
1	85	84689	1/2 -20 HEX NUT
4	86	93288	1/2-13 HEX NUT
1	87	87953-04	5/16 -18 HEX NUT
1	88	88960	LOCTITE NO. 242 (not shown)
1	89	84021-04	SILICONE RTV ULTRA BLUE (not shown)
8	90	96041	BOLT * HEX ~ 5/8-11 X 2 (GR8)
1	91	90768-04	FIT ~ 6 JIC 45° SWIVEL
1	92	142804-04	ENGINE DRAIN TAG (NOT SHOWN)
1	93	142903-01	DURST UNIT OIL DRAIN HOSE ASS'Y (NOT SHOWN)
1	94	140511-03	JD.UPPER ALTERNATOR BRKT.

REPLACES DWG. 145378-01
REFERENCE ECN #1086

all fractional dim's ± 1/32" ~ all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'D. BY	APPR. BY
⚠		06/20/01	ITEM 8 IDENT WAS 131085		TRH

ROADTEC

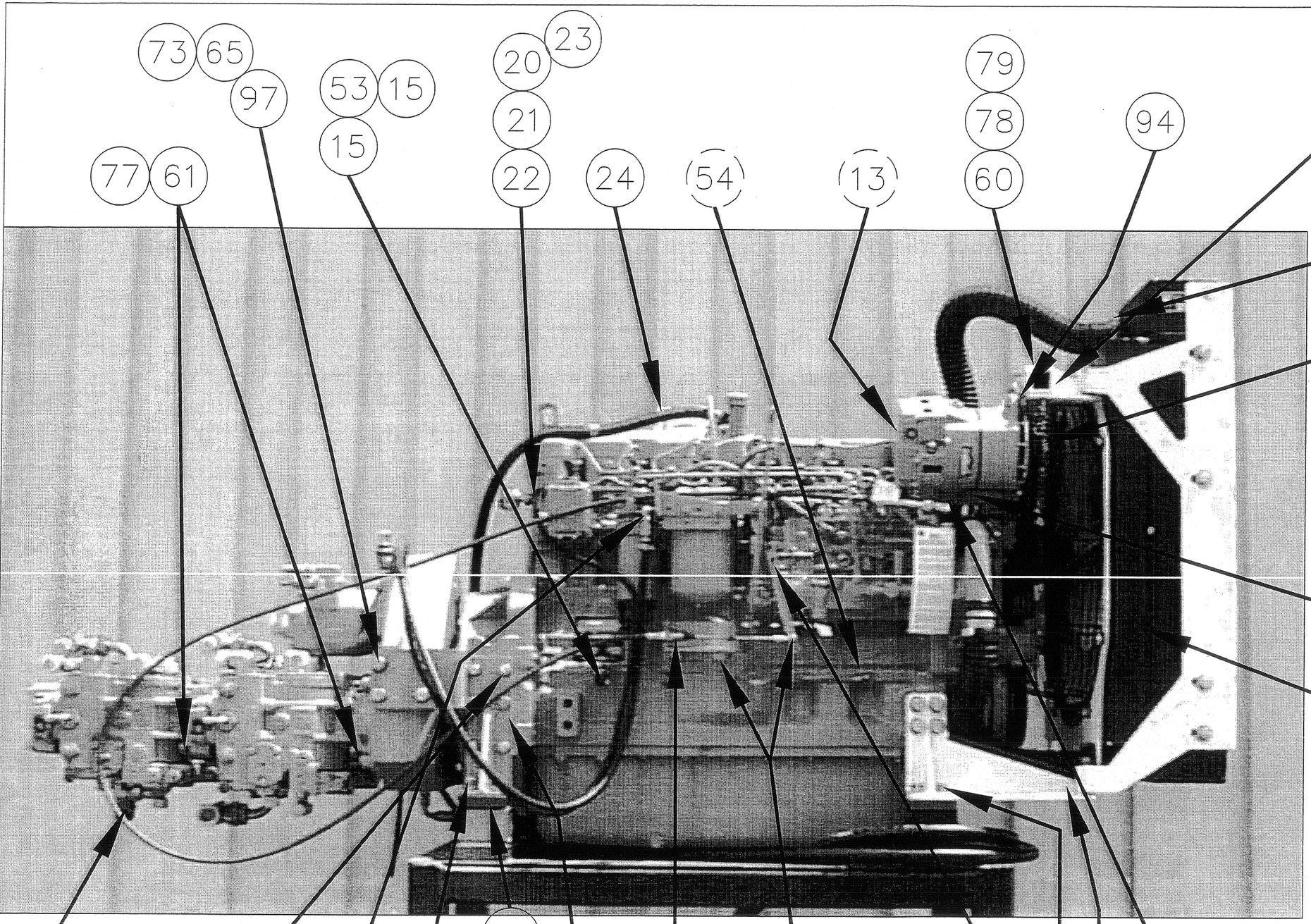
PART NAME: ENGINE ASSY. AND PUMPS

01 REQ'D PER SB2500B | SHEET NO: 1 of 3 | FAB CODE: 606 | EFFECTIVE S/N: 585

DRAWN BY: JHB | CHECKED BY:

SCALE: NONE | DATE: 3/5/01 | DWG NO: 147113-01 | REV: A

1.2



REPLACES DWG. 145378-01
REFERENCE ECN #1086

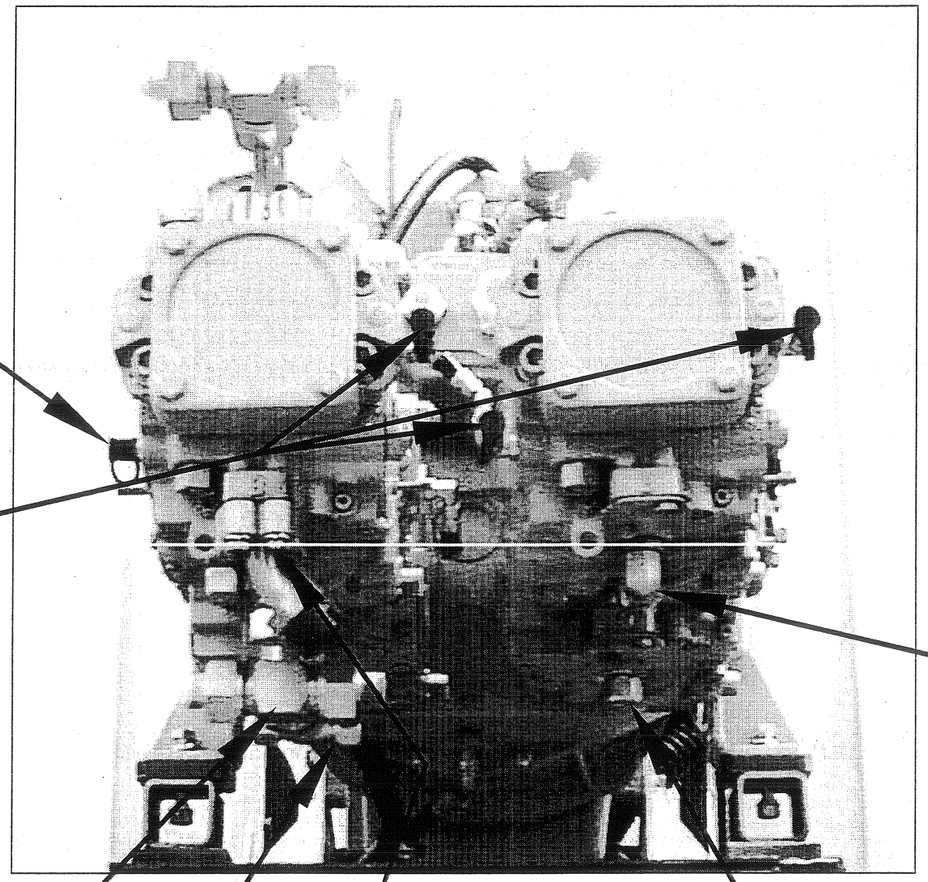
all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

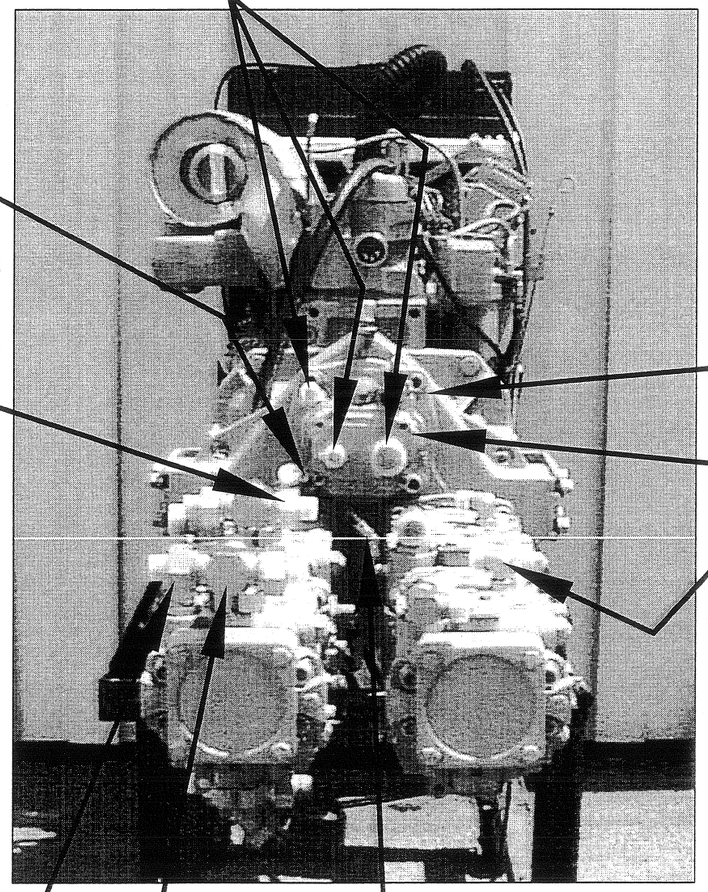
REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: ENGINE ASSY. AND PUMPS

01 REQ'D PER SB2500B	SHEET NO: 2 of 3	FAB CODE: 606	EFFECTIVE S/N: 585
DRAWN BY: JHB	CHECKED BY:	DWG NO: 147113-01	REV: A
SCALE: NONE	DATE: 3/501		





REPLACES DWG. 145378-01
REFERENCE ECN #1086

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

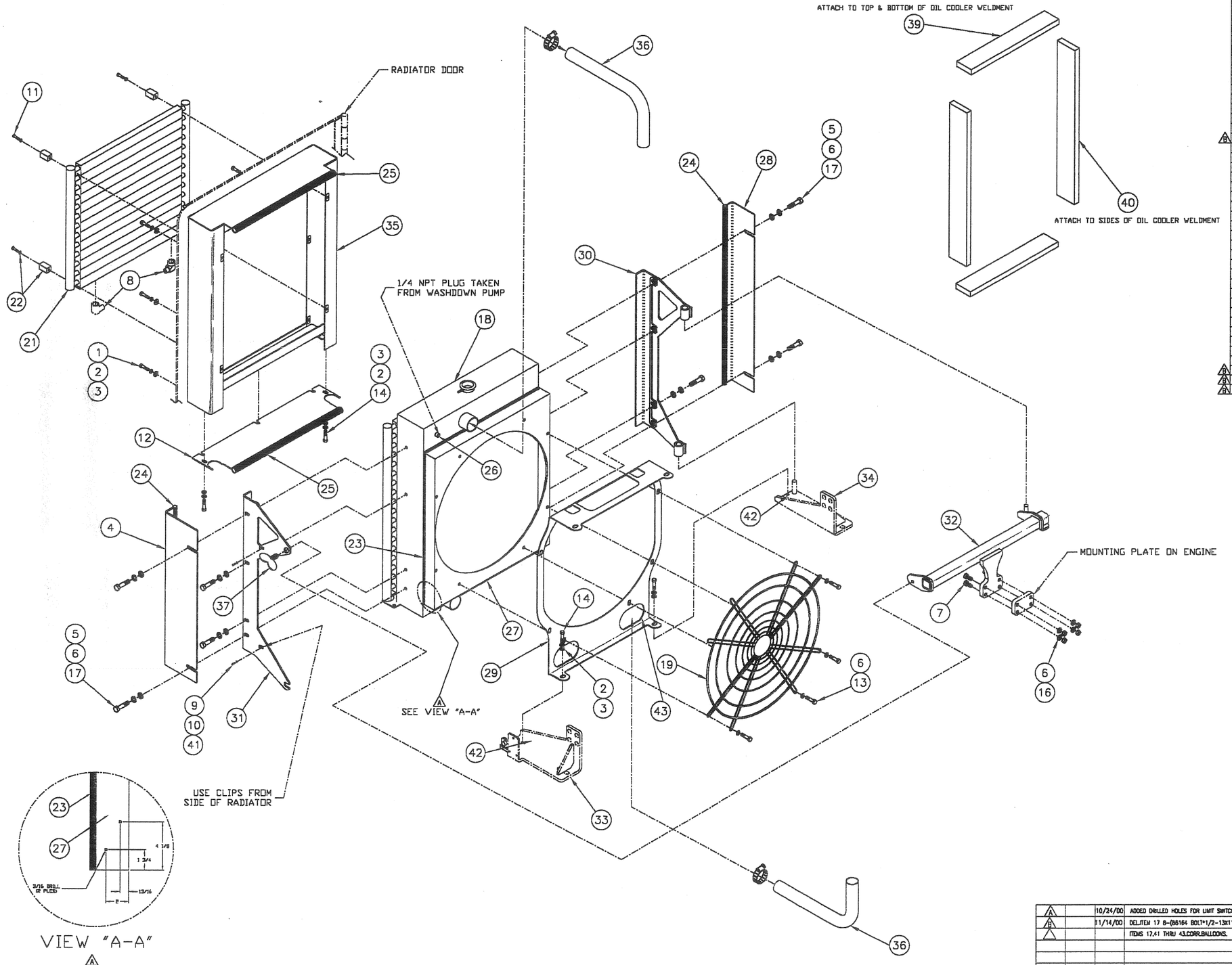
REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: ENGINE ASSY. AND PUMPS

01 REQ'D PERSB2500B	SHEET NO 3 of 3	FAB CODE 606	EFFECTIVE S/N 585
DRAWN BY JHB	CHECKED BY	DWG NO 147113-01	REV. A
SCALE NONE	DATE 3/5/01		

1.6



QTY	ITEM	IDENT	DESCRIPTION
8	1	84332	BOLT ~ 3/8-16 X 1 HEX (GR8)
21	2	83056	WASHER ~ 3/8 LOCK (SPRING STEEL)
15	3	83757	WASHER ~ 3/8 FLAT (STEEL)
1	4	145189-03L	RADIATOR SEAL PLATE
8	5	83781-04	WASHER ~ 1/2 FLAT (STEEL)
20	6	83317	WASHER ~ 1/2 LOCK (SPRING STEEL)
4	7	84674	BOLT ~ 1/2-13 X 2 HEX (GR8)
REF	8	97168	FIT ~ 20 X 20 JIC SAE ELBOW
2	9	83065	WASHER ~ 1/4 LOCK (SPRING STEEL)
2	10	89988-04	BOLT ~ 1/4-20 X 3/4 HEX (GR8)
4	11	90506	BOLT ~ 5/16-18 X 2 1/2 HEX (GR8)
1	12	142308-03	BOTTOM RADIATOR COVER
8	13	83754	BOLT ~ 1/2-13 X 1 HEX (GR8)
7	14	86127-04	BOLT ~ 3/8-16 X 3/4 HEX (GR8)
6	15	00876	BOLT ~ 3/8-16 X 2 1/2 HEX (GR8) FOR FAN SPACER
4	16	83288	NUT ~ 1/2-13 HEX (GR8)
A 8	17	86164	BOLT ~ 1/2-13 X 1 1/4HEX (GR8)
1	18	99872-01	RADIATOR
1	19	120839	FAN GUARD
1	20	140480	FAN (NOT SHOWN) COMES WITH ENGINE)
1	21	29H03	HYDRAULIC OIL COOLER
4	22	15W48	OIL COOLER MOUNTING KIT (CARRAIGE BOLT NOT USED)
1	23	128936	MOLDING 5/8 TRIM X 1/8 EDGE X 168" LG.
2	24	129894	MOLDING 5/8 TRIM X 1/8 EDGE X 40" LG.
2	25	129894	MOLDING 5/8 TRIM X 1/8 EDGE X 25" LG.
1	26	N/A	1/4 NPT PLUG (TAKEN FROM WASHDOWN PUMP)
1	27	93247-04	DRAIN COCK- 1/4 NPT
1	28	145189-03R	RIGHT RADIATOR SEAL PLATE
1	29	143383-02	FAN SHROUD
1	30	142837-01	RIGHT RADIATOR SUPPORT
1	31	142838-01	LEFT RADIATOR SUPPORT
1	32	142995-01	UPPER RADIATOR SUPPORT
REF	33	N/A	LEFT FRONT MOTOR MOUNT
REF	34	N/A	RIGHT FRONT MOTOR MOUNT
1	35	140614-01	OIL COOLER SUPPORT WELDMENT
1	36	142297-01	RADIATOR HOSE SUB-ASSEMBLY
1	37	135982-04	BOLT ~ 1/2 WING
1	38	142743-03	FAN SPACER (NOT SHOWN)
2	39	10377	INSULATION ~ 1" THICK FOAM 3" X 30"
2	40	10377	INSULATION ~ 1" THICK FOAM 3 1/2" X 34"
A 2	41	84444	WASHER # FLAT 1/4
A 2	42	98550-04	MOLDING # INTERLOCK 1/2 X 11 1/2
A 1	43	86505-04	MOLDING # INTERLOCKING 3/8 X 14"

REPLACES DWG. 143324-01
REFERENCE ECN #1043

all fractional dim's ± 1/32" ~ all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CHK'D. BY	APPRV. BY
A		10/24/00	ADDED DRILLED HOLES FOR LIMIT SWITCH (145215-04)		TRH
B		11/14/00	DEL.ITEM 17 8~(86164 BOLT*1/2~13X1 1/2) ADDED		
C			ITEMS 17,41 THRU 43.CORR.BALLOONS.	SW	

ROADTEC

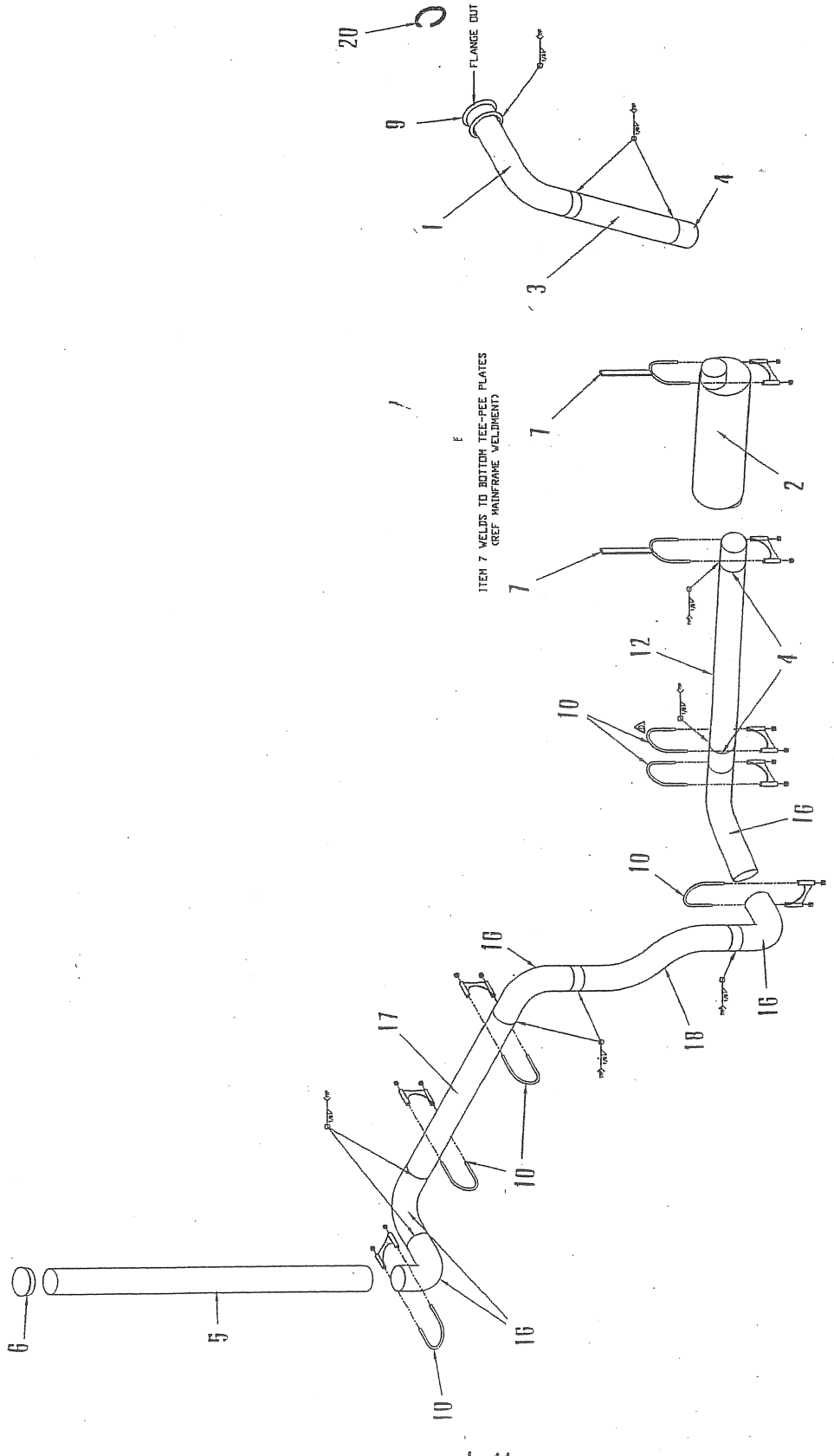
PART NAME: RADIATOR ASSY. SB-2500B

01 REQ'D PER SB-2500B | SHEET NO: 1 OF 1 | FMI CODE: 606 | EFFECTIVE S/N: 580

DRAWN BY: BY | CHECKED BY:

SCALE: 1/8 | DATE: 8/9/00 | DWG NO: 145376-01 | REV: B

SB-2500B EXHAUST ASSY. (JOHN DEERE)
(142185-01)



EXHAUST ASSEMBLY (J. DEERE ENGINE)
(142185-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	93130	ELBOW - 4" OD X 16 GA. 90" LG. (A-513)	1
2	92086-03	MUFFLER	1
3	120696-04	FLEX EXHAUST TUBE - 4" OD X 34" LG.	1
4	OO930	TUBE 4" OD X 16 GA. X 3" LG. (A-513)	3
5	140885-04	TUBE 4" OD X .065 WA. X 60"	1
6	93128	4" RAIN CAP	1
7	142128-03	SHORT MUFFLER SUPPORT	1
8	142127-03	LONG MUFFLER SUPPORT	1
9	PURCHASED	EXHAUST V-FLANGE (SUPPLIED W/ ENGINE)	
10	93129	4" MUFFLER CLAMP	2
11			
12	120696-04	FLEX EXHAUST TUBE - 4" OD X 45" LG.	1
13	10299	INSULATION CERWOOL (3.75 SQ. FT.)	1
14	10298	FIBERGLAS FABRIC (5.25 SQ. FT.)	1
15	10298-C1	HOG RING STAPLES	36
16	29H38	ELBOW - 4" OD X 16 GA. 90 SHORT (A-513)	5
17	OO930	TUBE 4" OD X 16 GA. X 40" LG. (A-513)	1
18	120696-04	FLEX EXHAUST TUBE - 4" OD X 23" LG.	1
19	84332	BOLT, HEX 3/8 - 16 X 1"	4
20	PURCHASED	V-CLAMP (SUPPLIED W/ ENGINE)	
21	10299	INSULATION CERWOOL (1.25 SQ. FT.)	1
22	10298	FIBERGLAS FABRIC (1.75 SQ. FT.)	1
23	10298-C1	HOG RING STAPLES	12
24	145024-03	TURBO END EXHAUST WRAP (NOT SHOWN)	1
25	145025-03	TAILPIPE EXHAUST WRAP	1
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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ALWAYS REFER TO THE MACHINE SERIAL NUMBER WHEN ORDERING PARTS OR WRITING FOR INFORMATION. SPACE IS PROVIDED BELOW TO RECORD PERTINENT INFORMATION CONCERNING YOUR MACHINE.

SERIAL NUMBER:	
DATE PURCHASED:	
ENGINE MAKE:	
ENGINE MODEL:	

CHANGES

PARTS INFO.	SERVICE INFO.	GROUP	PAGE	NOTES

NOTES:

FOR ADDITIONAL INFORMATION OR ASSISTANCE :

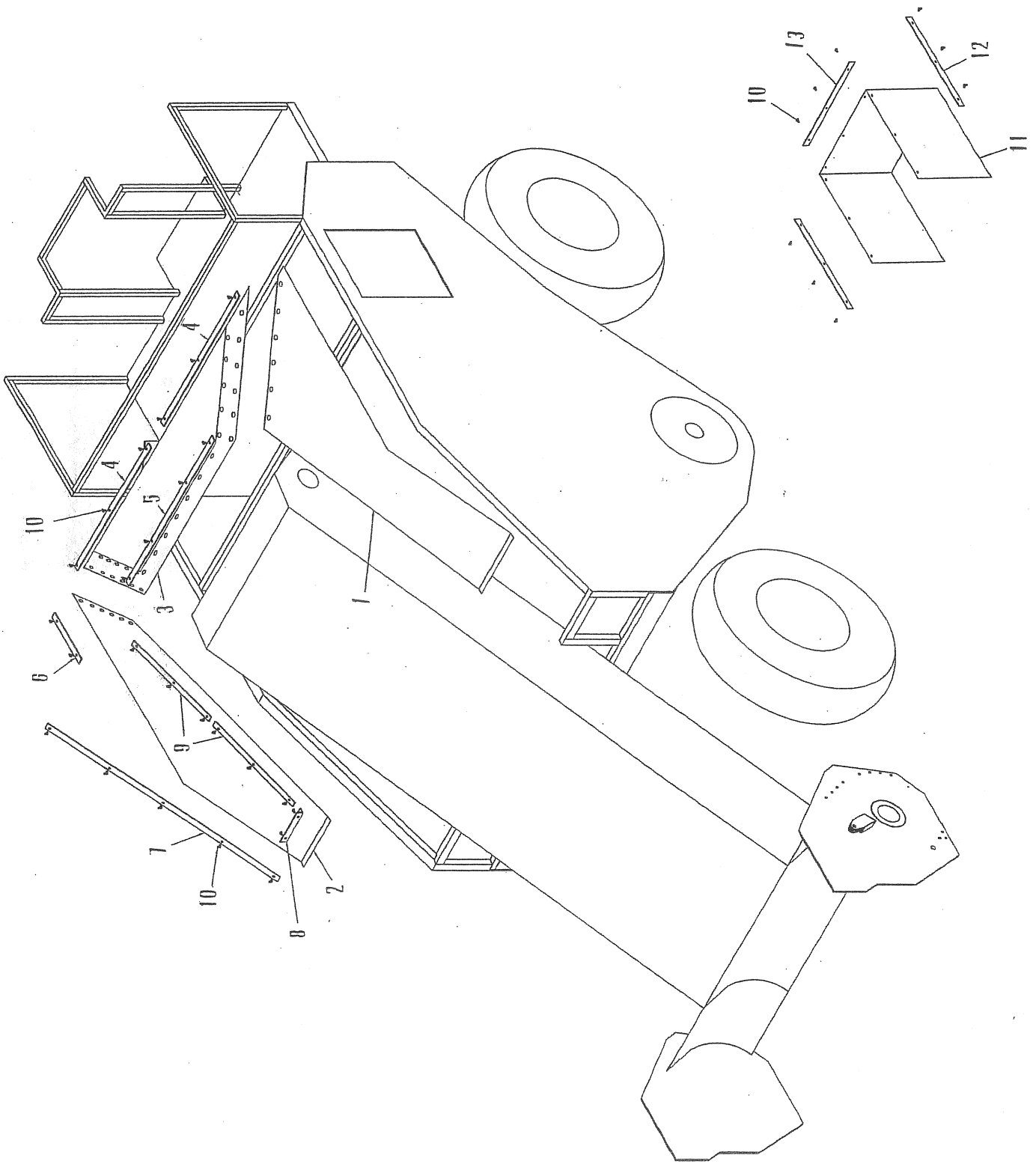
ROADTEC,INC.
800 MANUFACTURERS RD.
P.O. BOX 180515
CHATTANOOGA, TN. 37404-7515
PHONE: 423-265-0600
1-800-272-7100
FAX: 423-267-7104

ROADTEC, INC - PARTS
2090 RIVERSIDE DRIVE
CHATTANOOGA, TN. 37406
PHONE: 423-622-9202
1-877-266-8882
FAX: 423-622-9072

SECTION 2 : FRAME ASSEMBLIES

ASSEMBLY	PART NO.	S/N	PAGE NO.
CANVAS	144819-01	568 & UP	2.1
FRONT & REAR AXLE	147832-01	604 & UP	2.3
FRONT & REAR AXLE	143504-01	526 - 603	2.23
FUEL TANK & WASHDOWN	144760-01	562 & UP	2.5
MAINFRAME	145372-01	571 & UP	2.7
FLOWGATES	140182-01	448 & UP	2.11
MIRROR	144370-01	448 & UP	2.13
PAINT & MARKINGS	140079-01	448 & UP	2.15
OPERATORS STATION	139738-01	448 & UP	2.17
OPERATORS PLATFORM	146424-01	574 & UP	2.19
SERVICE LADDER	146182-01	574 & UP	2.21

SB-2500B CANVAS ASSEMBLY
(144819-01)

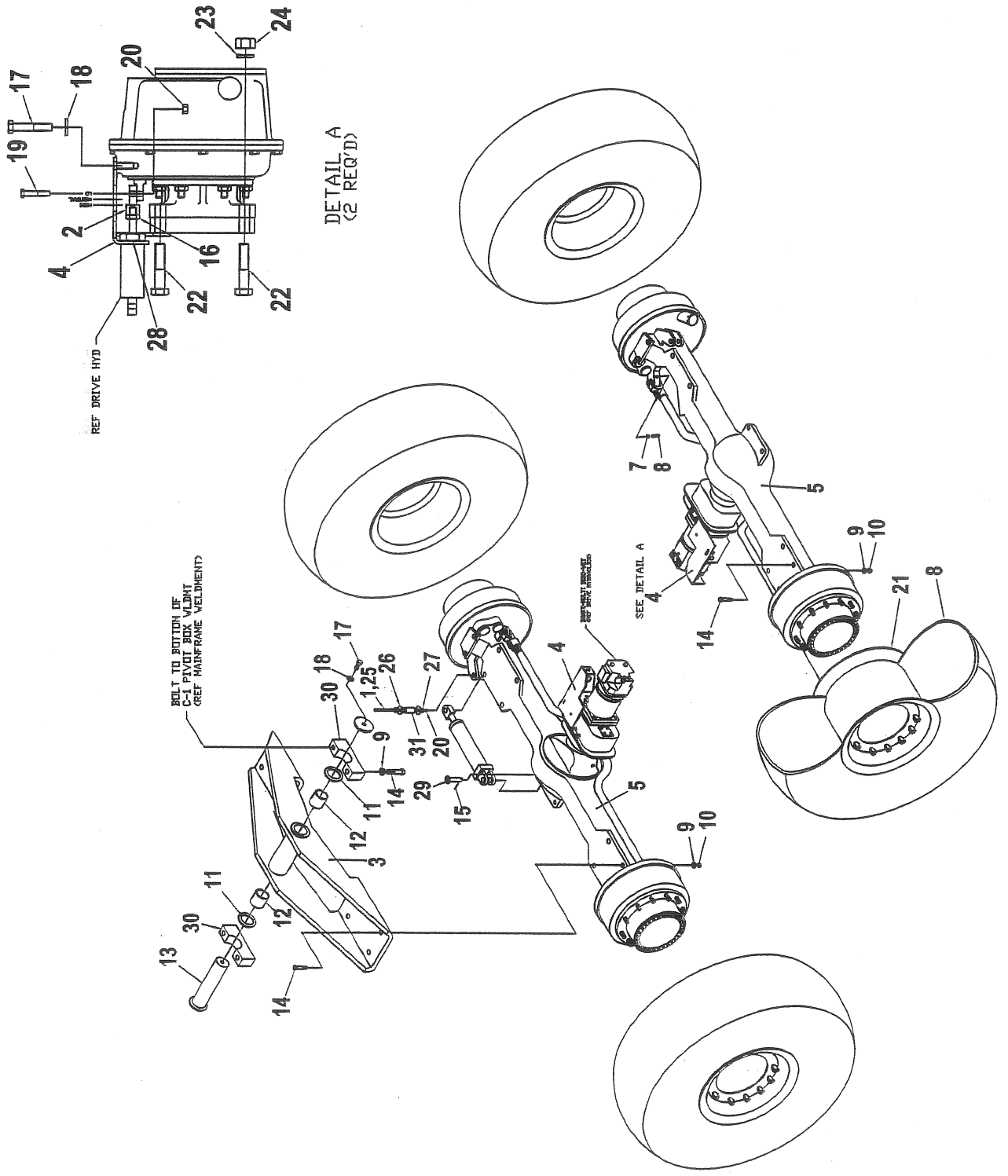


SB-2500B CANVAS ASSEMBLY
(144819-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	144258-01L	CANVAS - HOPPER SIDES	1
2	144258-01R	CANVAS - HOPPER SIDES	1
3	143859-01	CANVAS - OPERATOR ACCESS	1
4	126242-03	CLAMP BAR - REAR MAINFRAME	2
5	126238-03	CLAMP BAR - C-1 END	1
6	142036-03	CLAMP BAR - REAR SIDE MAINFRAME	2
7	144305-03	CLAMP BAR - FRONT SIDE MAINFRAME	2
8	129241-03	CLAMP BAR - FRONT MAINFRAME	2
9	129236-03	CLAMP BAR - C1 REAR	4
10	89987-04	WING BOLT 3/8 - 16 UNC X 1"	48
11	129119-01	C-2 CANVAS	1
12	129235-03	C-2 CANVAS CLAMP BAR	2
13	129234-03	C-2 CANVAS CLAMP END BAR	1
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.

FRONT AND REAR AXLE ASSEMBLY
(147832-01)

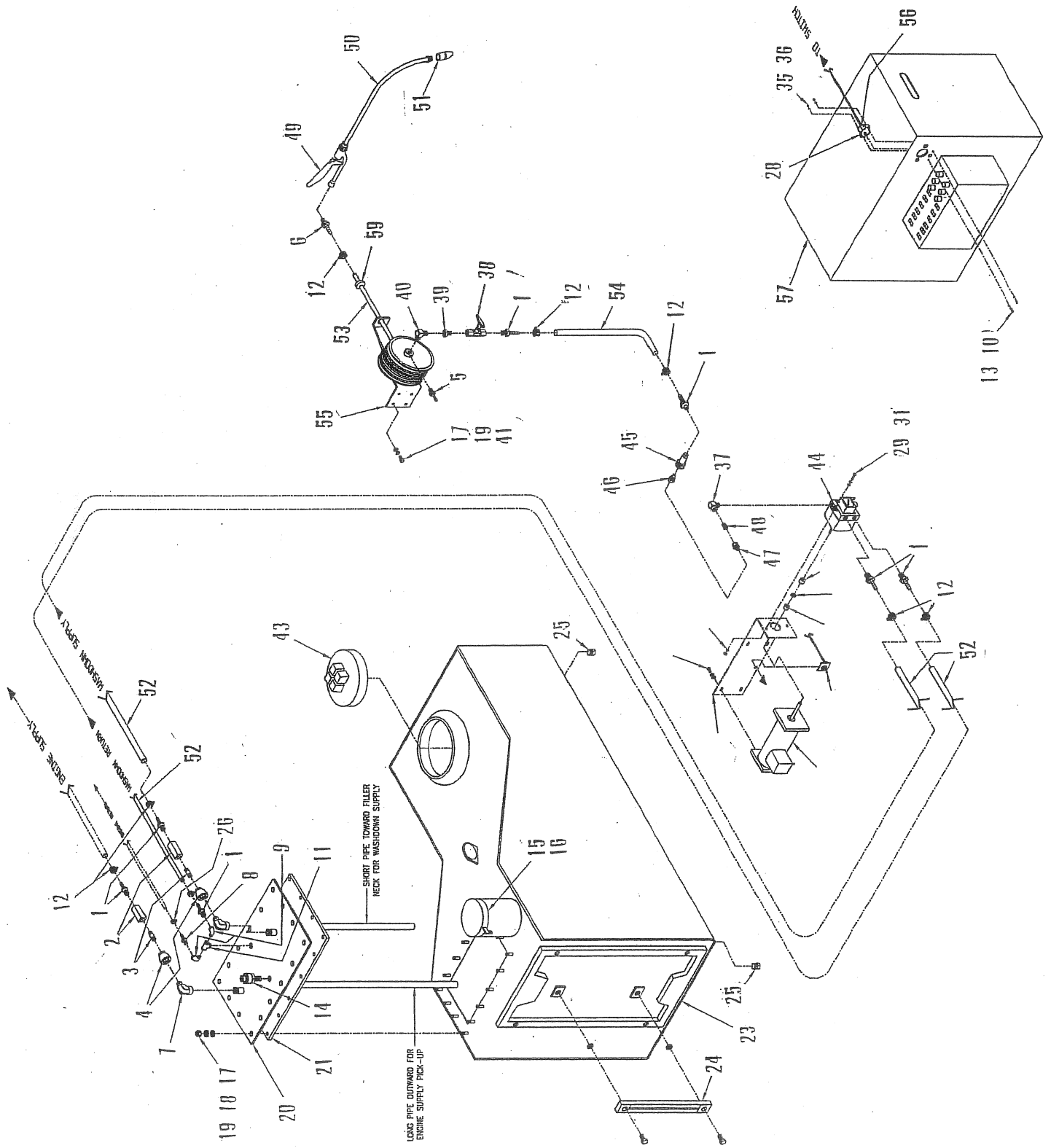


SB-2500B FRONT AND REAR AXLES
(147832-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	89462-04	GREASE FITTING - 1/8 NPT X 90	2
2	130488-03	LINKAGE PIVOT	2
3	140449-01	TRUNION	1
4	147494-01	SPEED SHIFT BRACKET	2
5	140265-04	AXLE ASSY. W/ TIE RODS	2
6	130422	SET SCREW - 26mm X 124 mm	2
7	130422-C1	NUT, JAM 7/8 - 14	2
8	124467	TIRE - 21.00 X 25 X 28 PLY	4
9	83427	LOCKWASHER 1" SPRING STEEL	20
10	98453	NUT, HEX 1 - 8 GD. 8	16
11	120891-04	SPACER - BRONZE	2
12	29M85	BUSHING - DURALON,	2
13	99278-02	FRONT AXLE PIVOT	1
14	99359	BOLT, HEX 1 - 8 X 5" GD. 8	20
15	27D65	COTTER PIN - 3/16" X 1 3/4"	2
16	130541	NUT, JAM 1/2 - 20	2
17	84778	BOLT, HEX 5/8 - 11 X 1 1/2" GD. 8	5
18	84717	LOCKWASHER 5/8" SPRING STEEL	5
19	96475	BOLT, HEX 3/8 - 16 X 2" GD. 8	2
20	92235	NUT, LOCK 3/8 - 16 GD. 8	4
21	141499-03-A4	TIRE & RIM ASSEMBLY	4
22	141568	SCREW, SOCKET HD. CAP 3/4 - 10 X 3 1/2"	8
23	83752-04	LOCKWASHER 3/4' SPRING STEEL	8
24	84071-04	NUT, HEX 3/4 - 10	8
25	20N62	BOLT, HEX 3/8 - 16 X 5"	2
26	140174-04	WASHER - STEERING CYL. PIN	4
27	83757	FLAT WASHER 3/8" STEEL	4
28	147515-04	NUT, JAM 1 - 14 GD. 8	2
29	REF.	STEERING CYL. PIN	
30	REF.	PIVOT PIN RETAINER	
31	REF.	STEERING CYL. PIN	
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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FUEL TANK AND WASHDOWN
(144760-01)

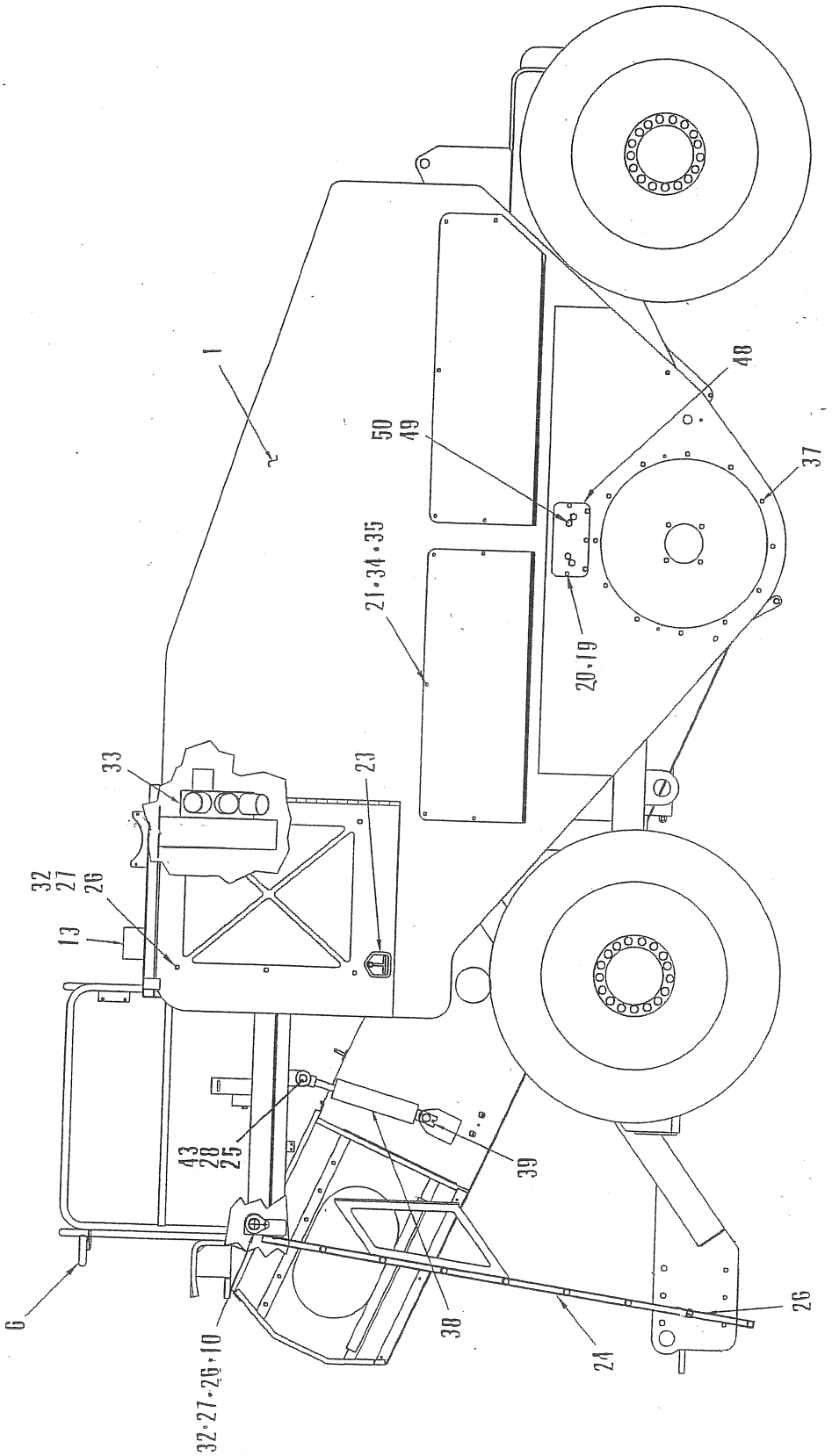


FUEL TANK AND WASHDOWN ASSEMBLY
(144760-01)

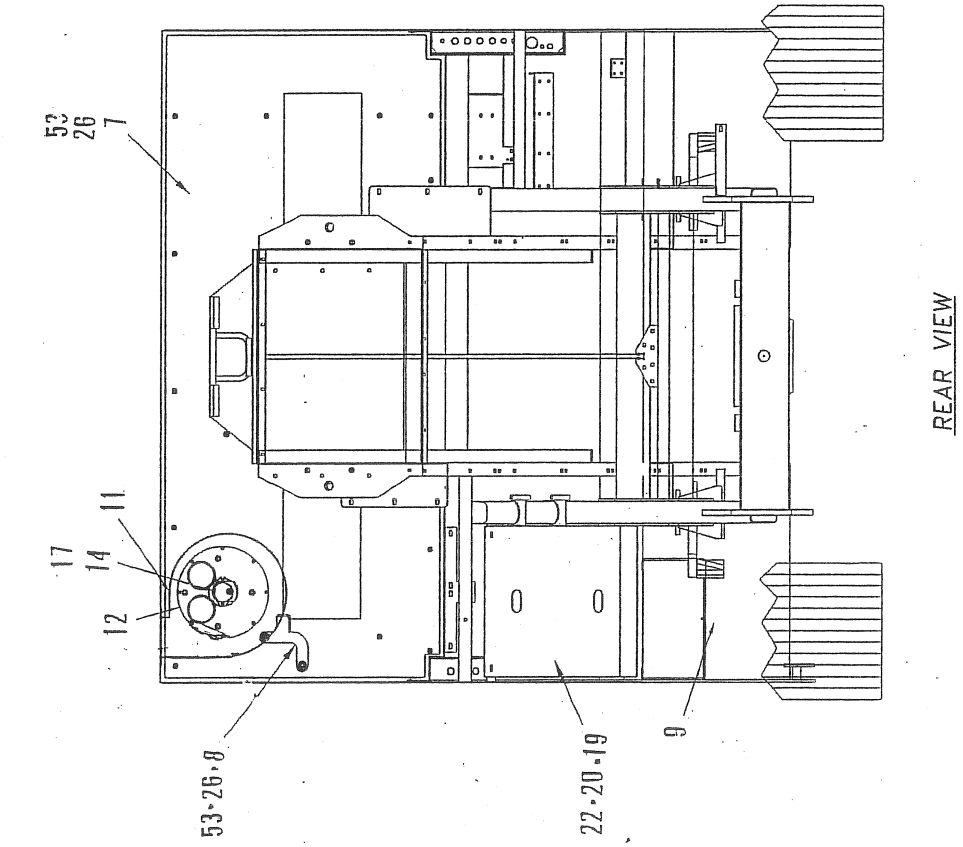
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	80349-04	BARB - 1/4" X 3/8"	7
2	31P61	CHECK VALVE - 1/4" MALE & FEMALE	2
3	80168-04	CLOSE NIPPLE - 1/4" STEEL	2
4	93546	FIT - 1/2 NPT - FEM. X 1/4 NPT - FEM. REDUCER	2
5	91594	BARB - 1/2 NPT X 3/8" HOSE	1
6	80553-04	BARB - 1/8 NPT X 3/8" HOSE	1
7	138868-04	PLUMB - 1/2" NPT 90 STEEL	2
8	91846-04	BARB - 1/4" NPT X 1/4"	1
9	84213-04	PLUMB - 1/4" NPT 90 STEEL	2
10	91207-04	SCREW, SLOTTED-HD. 10 - 32 X 1 1/4"	2
11	121741	TEE, BRANCH - 1/4" NPT STEEL	1
12	45228	HOSE CLAMP 3/8"	8
13	92552	FLAT WASHER # 10	4
14	27X25	FUEL TANK VENT	1
15	98027	TANK CAP	1
16	803456	TANK STRAINER	1
17	83757	FLAT WASHER 3/8"	20
18	83055	NUT, HEX 3/8 - 16	16
19	83056	LOCKWASHER 3/8"	20
20	136023-02	FUEL TANK LID	1
21	99439-03	LID GASKET	1
22	98111-04	MOTOR - 1/5 H.P. 12/24 VOLT DC	1
23	144759-01	FUEL TANK	1
24	29L61	GAUGE GLASS	1
25	97032	PIPE PLUG, HEX HD. 3/4"	2
26	94904	HOSE CLAMP 1/4"	1
27	13E68	TOGGLE SWITCH	1
28	90930-04	BREAKER 40 AMP	1
29	89988-04	BOLT, HEX HD. 1/4 - 20 X 3/4"	6
30	83065	LOCKWASHER 1/4"	6
31	84444	FLAT WASHER 1/4"	6
32	80342-04	HALF-COUPLING	1
33	80340-04	COUPLING B-50 ELEMENT	1
34	80341-04	HALF-COUPLING	1
35	90103	LOCKWASHER #10	2
36	90102	NUT, HEX 10 - 32	2
37	23J52	STREET ELL 1/8"	1
38	89010-04	TWO-WAY BALL VALVE 1/4"	1
39	86622-04	SWIVEL CONN. - 6 JIC X 1/4" NPT	1
40	85466-04	ELBOW - 6 JIC X 3/8" NPT 90	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	84332	BOLT, HEX 3/8 - 16 X 1"	4
42	89772	NUT, HEX 1/4 - 20 GD. 8	2
43	125578	PLUG - 6" NPT	1
44	142905-04	PUMP - 7 GPH @ 100 PSI REP.135292-04	1
45	92279-04	FEMALE DISCONNECT	1
46	92280-04	MALE DISCONNECT	1
47	86211-04	HEX BUSHING 1/4" X 1/8"	1
48	80169	NIPPLE 1/8" NPT	1
49	128842	HAND SHUT-OFF	1
50	128844	WAND	1
51	128843	NOZZLE	1
52	80132-04	3/8" FUEL HOSE	2
53	80132-04	3/8" FUEL HOSE	1
54	141369-01	BATTERY BOX	1
55	131616-04	HOSE REEL - H.D. 35'	1
56	80645-04	ELEC. - CGB 193 CONN. 1/2"	1
57	80132-04	HOSE - 3/8" FUEL / WATER	
58	120153-02	WASHDOWN PUMP BRACKET	
59	145619-04	RUBBER STOP	1
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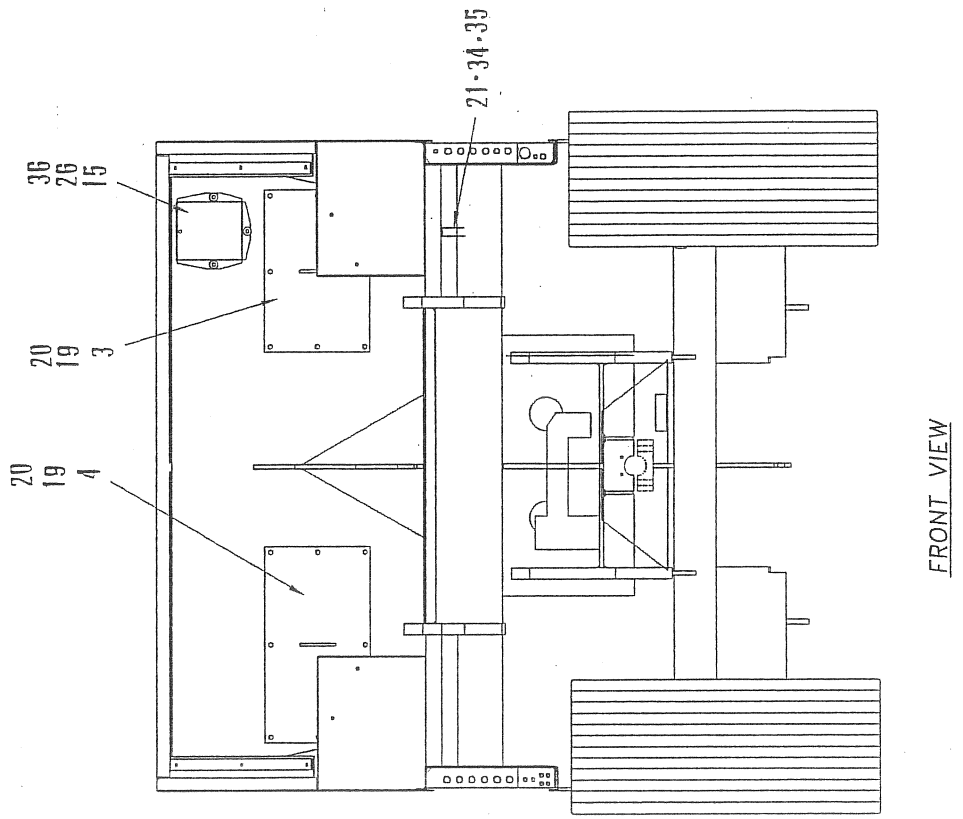
SB-2500B MAINFRAME ASSEMBLY
(145372-01)



SB-2500B MAINFRAME ASSEMBLY
(145372-01)

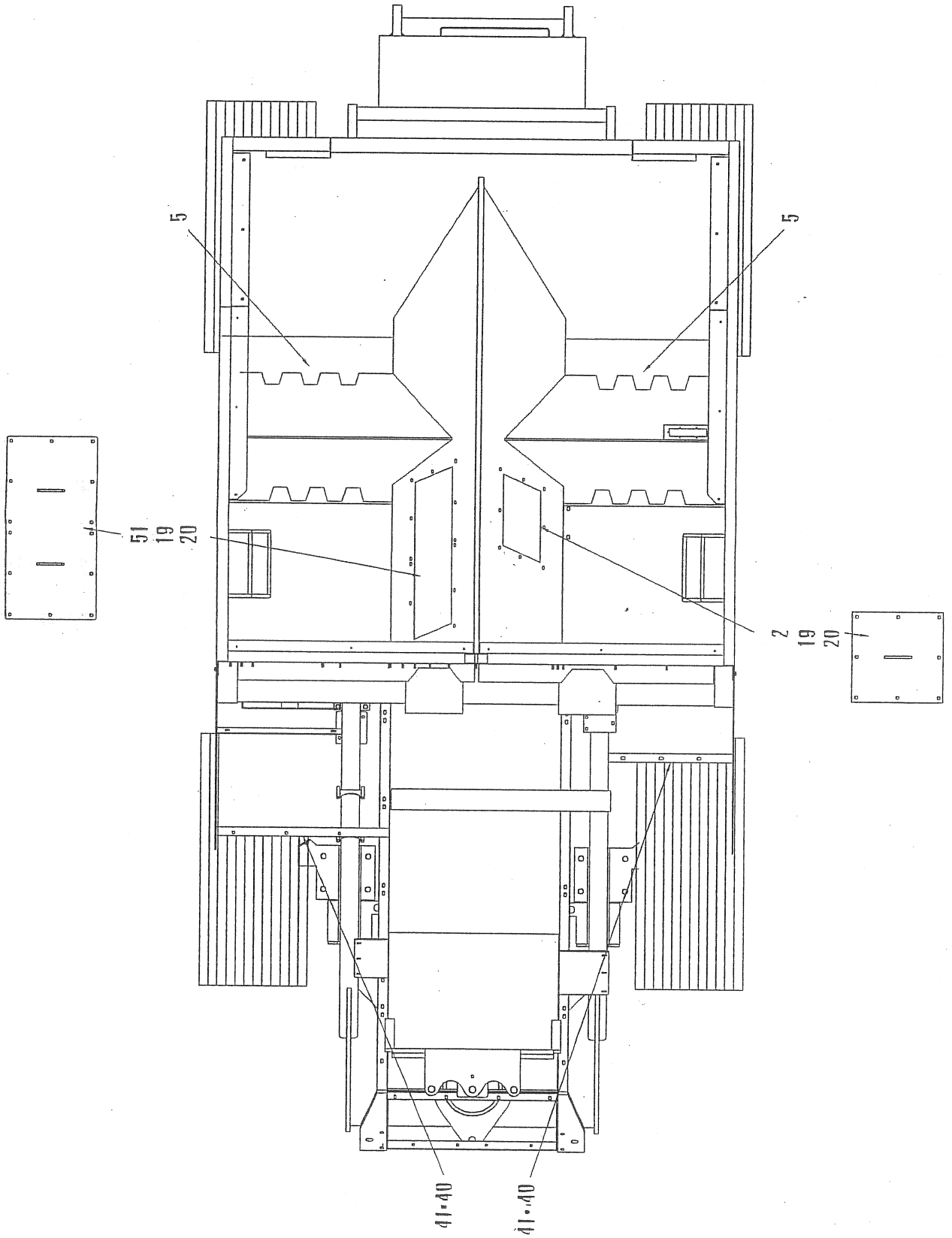


REAR VIEW



FRONT VIEW

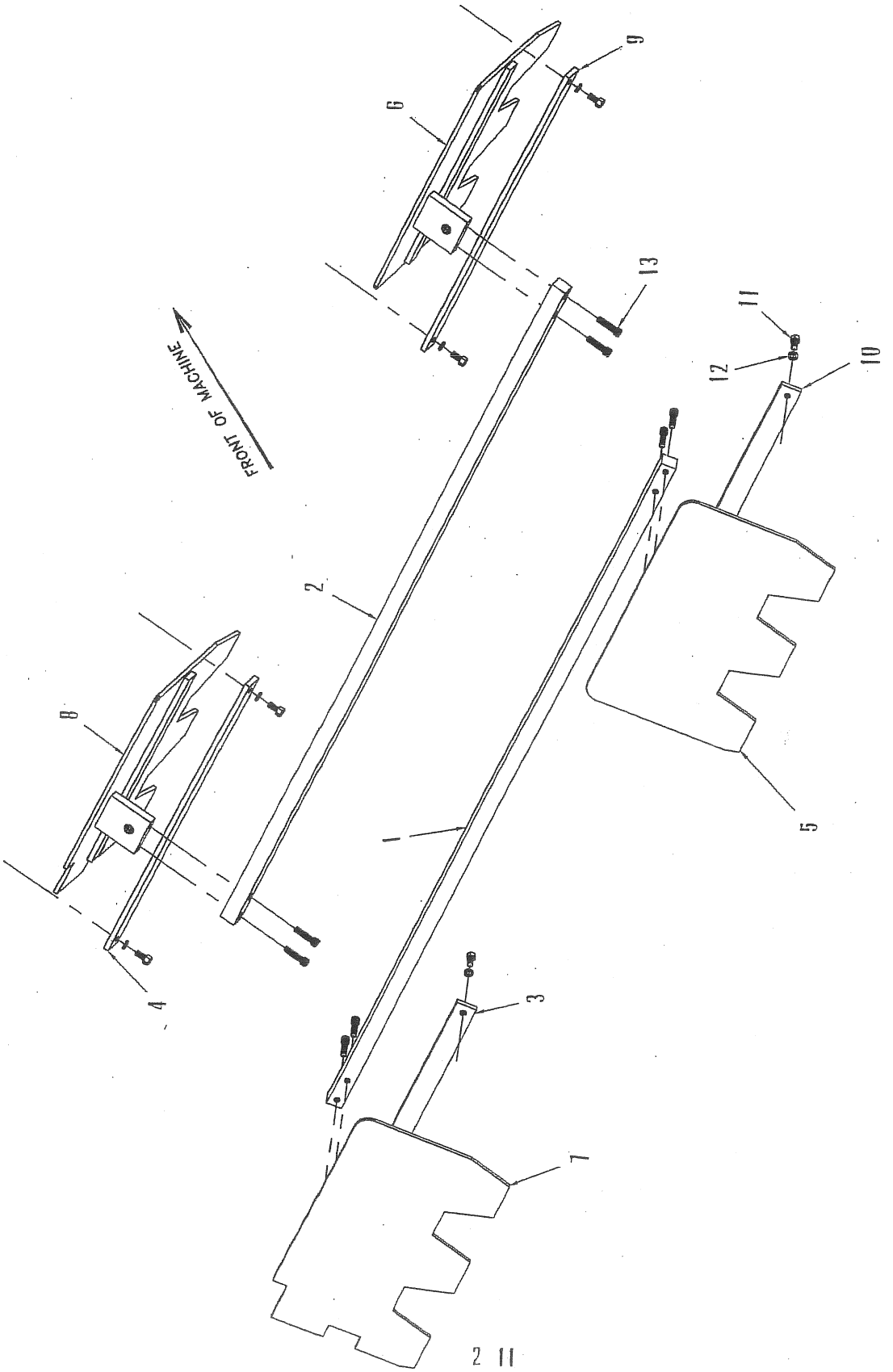
SB-2500B MAINFRAME ASSEMBLY
(145372-01)



MAINFRAME ASSEMBLY
(145372-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	143417-01	MAINFRAME WELDMENT	1
2	122985-04	HOPPER ACCESS PLATE	1
3	120358-04	REAR INSIDE HOPPER COVER PLATE L.H	1
4	129485-03	REAR INSIDE HOPPER COVER PLATE R.H	1
5	140182-01	FLOWGATE ASSEMBLY	1
6	141250-01	PLATFORM	
7	129271-01	REAR WALL INSULATION	1
8	143172-03	AUX. FILTER BRKT. (HI-PRESSURE IN-LINE)	1
9	141370-02	BATTERY BOX DOOR	1
10	139759-03	PLATFORM PIVOT PIN	
11	129114-01	BLOWER HOUSING	1
12	134324-03	FXS MOTOR FLANGE (SUNSTRAND)	1
13	129130-02	VENT EXHAUST - FAN SHROUD	1
14	134229-04	HYDRAULIC MOTOR	1
15	131846-01	C-2 SUCTION COVER	1
16	129000	HOSE CLAMP 4 1/2" (NOT SHOWN)	2
17	130665-04	BUSHING AND KEY	1
18	144819-01	HOPPER CANVAS (NOT SHOWN)	1
19	86164	BOLT, HEX 1/2 - 13 X 1 1/4"	42
20	83317	LOCKWASHER 1/2" SPRING STEEL	44
21	89988-04	BOLT, HEX 1/4 - 20 X 3/4" GD. 8	21
22	140429-01	VALVE COVER	1
23	139779-04	FLUSHING CAP LOCKING HANDLE	2
24	145147-01	LADDER	1
25	96475	BOLT, HEX 3/8 - 16 X 2" GD. 8	1
26	83757	FLAT WASHER 3/8"	33
27	83056	LOCKWASHER 3/8"	10
28	129579-03	LADDER SUPPORT	1
29	139765-04	HORN BRACKET	2
30	145216-02	LIMIT SWITCH BRKT.	1
31	92235	LOCKNUT 3/8 - 16	20
32	96476	BOLT, HEX 3/8 - 16 X 1 1/4"" GD. 8	6
33	129095-01	BLOWER COLLECTOR	1
34	83065	LOCKWASHER 1/4" SPRING STEEL	21
35	84444	FLAT WASHER 1/4" STEEL	21
36	84332	BOLT, HEX 3/8 - 16 X 1"	3
37	83754	BOLT, HEX 1/2 - 13 X 1"	24
38	83322-01	CYLINDER	24
39	129484-03	CYLINDER PIN	2
40	143417-01-70	PLATE A36	
41	143417-01-71	PLATE A36	
42	83055	NUT, HEX 3/8 - 16 GD. 8	3
43	87339-C3	KIT - 1" CLAMP	1
44	92790	CHAFING MATERIAL	5400"
45	128390	GREASE NIPPLE COVER (RED)	65
46	121045-03	FLOWGATE CYLINDER	
47	143458-03L	FLOWGATE ACCESS COVER (NOT SHOWN)	1
48	143458-03R	FLOWGATE ACCESS COVER	1
49	OO891	BOLT, HEX 3/4 - 10 X 1 3/4"	4
50	27L87	LOCKWASHER 3/4"	4
51	140485-02	TEE-PEE COVER PLATE	1
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SB-2500B HOPPER FLOWGATE ASSY.
(140182-01)

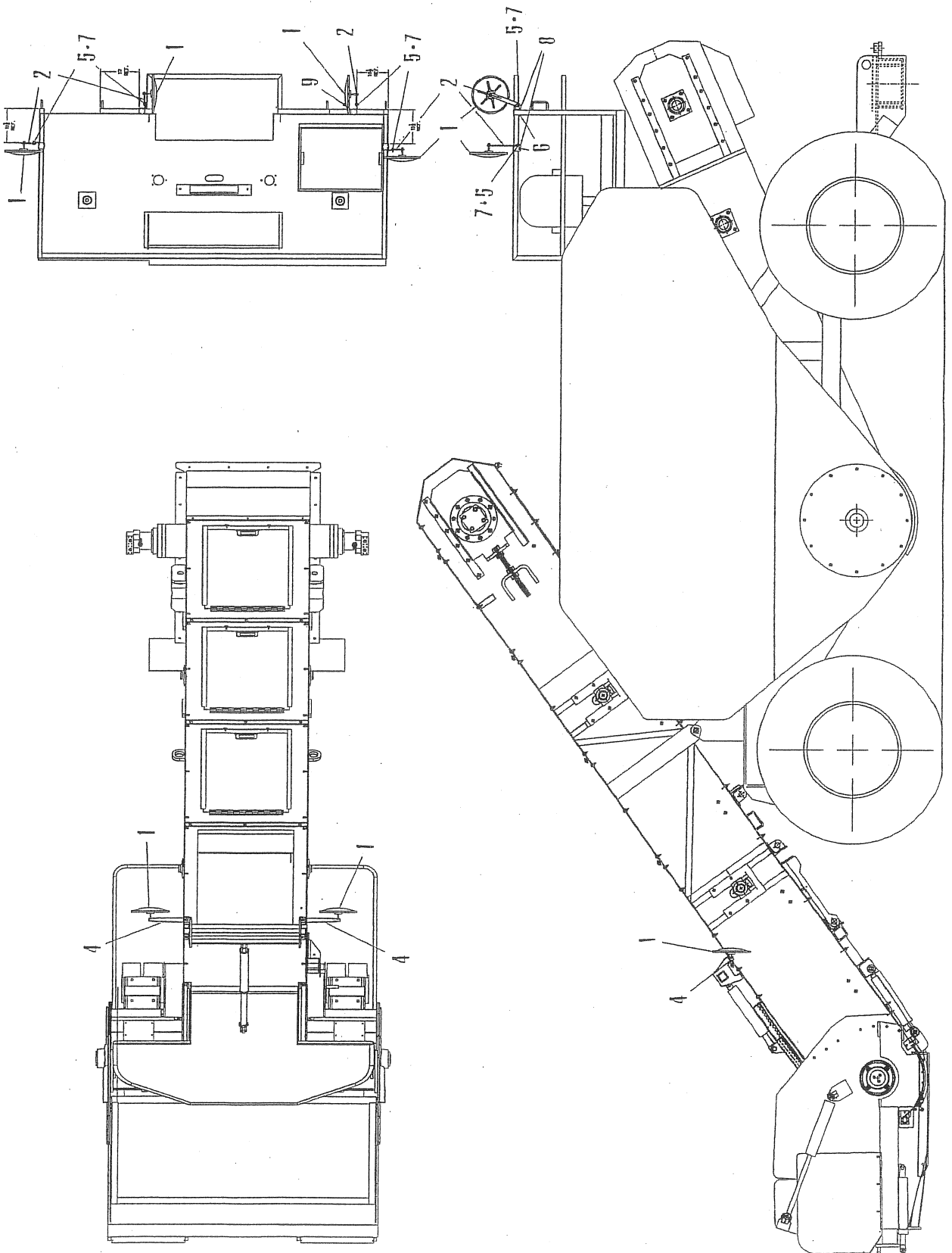


SB-2500B FLOWGATE ASSEMBLY
(140182-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	99891-02	RR. FLOWGATE TIE BAR	1
2	99892-02	FRT. FLOWGATE TIE BAR	1
3	99893-02	L.H. REAR FLOWGATE GUIDE BAR	1
4	99894-02	L.H. FRONT FLOWGATE GUIDE BAR	1
5	140116-01	RT. REAR FLOWGATE	1
6	140117-01	RT. FRONT FLOWGATE	1
7	140118-01	LT. REAR FLOWGATE	1
8	140119-01	LT. FRONT FLOWGATE	1
9	98012-02	R.H. FRONT FLOWGATE GUIDE BAR	1
10	98013-02	R.H. REAR FLOWGATE GUIDE BAR	1
11	83754	BOLT, HEX 1/2 - 13 X 1" GD. 8	8
12	83317	LOCKWASHER 1/2' SPRING STEEL	8
13	90511	SCREW, SOCKET HD. 1/2' - 13 X 2"	8
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SB-2500B MIRROR ASSEMBLY
(144370-01)

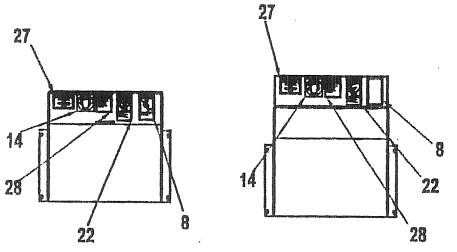


MIRROR ASSEMBLY
(144370-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	133459-04	12" DIA. MIRROR	6
2	133460-04	MIRROR MOUNTING ARM	4
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4	133462-04	C1 MIRROR MOUNTING BAR	2
5	84332	BOLT, HEX 3/8 - 16 X 1"	4
6	00876	BOLT, HEX 3/8 - 16 X 2 1/2"	4
7	83056	LOCKWASHER 3/8" SPRING STEEL	4
8	87339-C3	KIT - 1" CLAMP	4
9	87339-C4	KIT - 1" CLAMP	4
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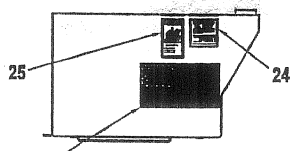
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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SB-2500B PAINT AND MARKINGS ASSY. (140079-01)

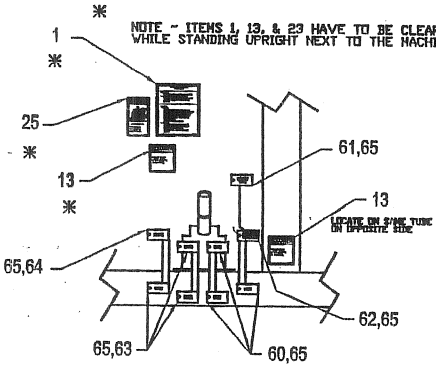


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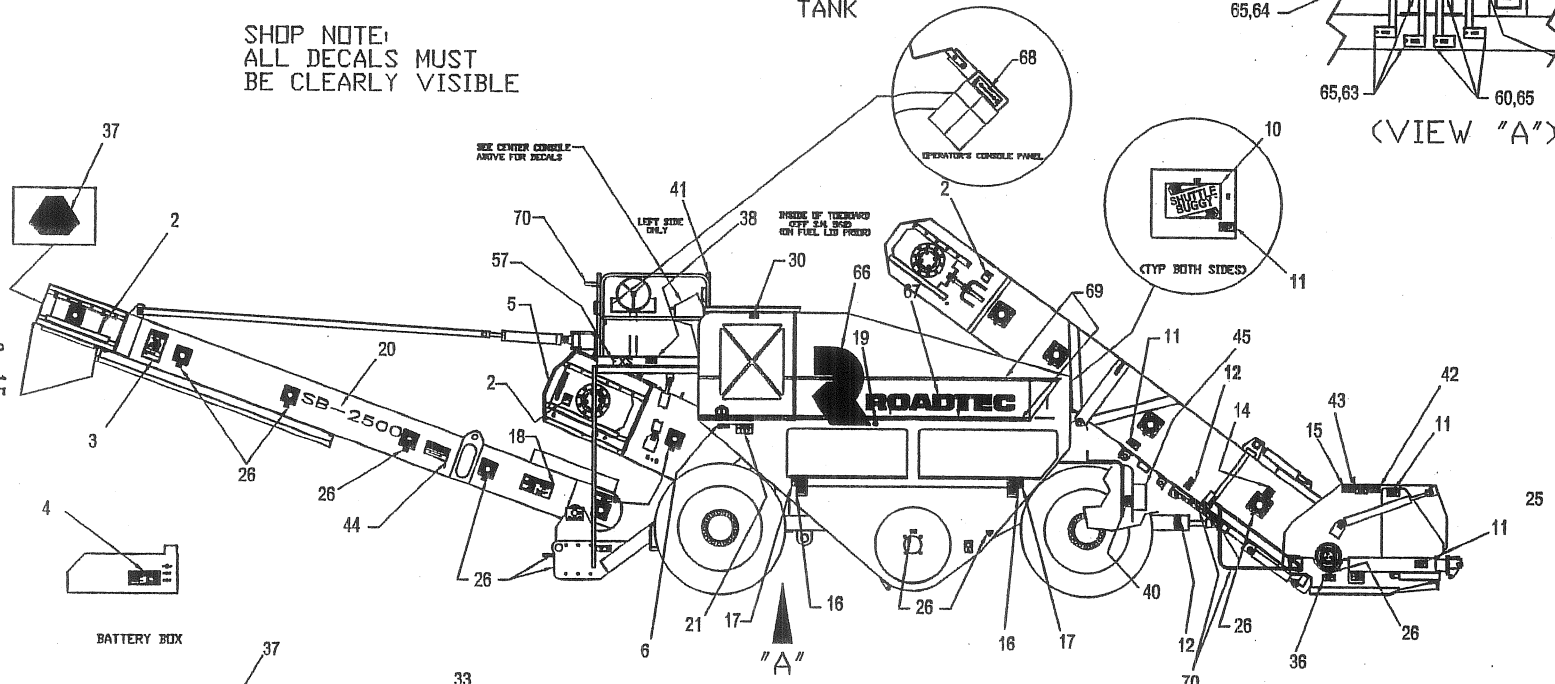
SHOP NOTE:
ALL DECALS MUST
BE CLEARLY VISIBLE

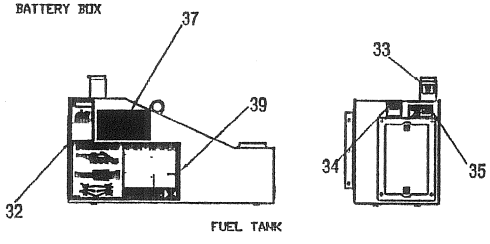


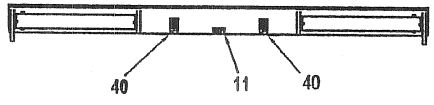
HYDRAULIC TANK



(VIEW "A")







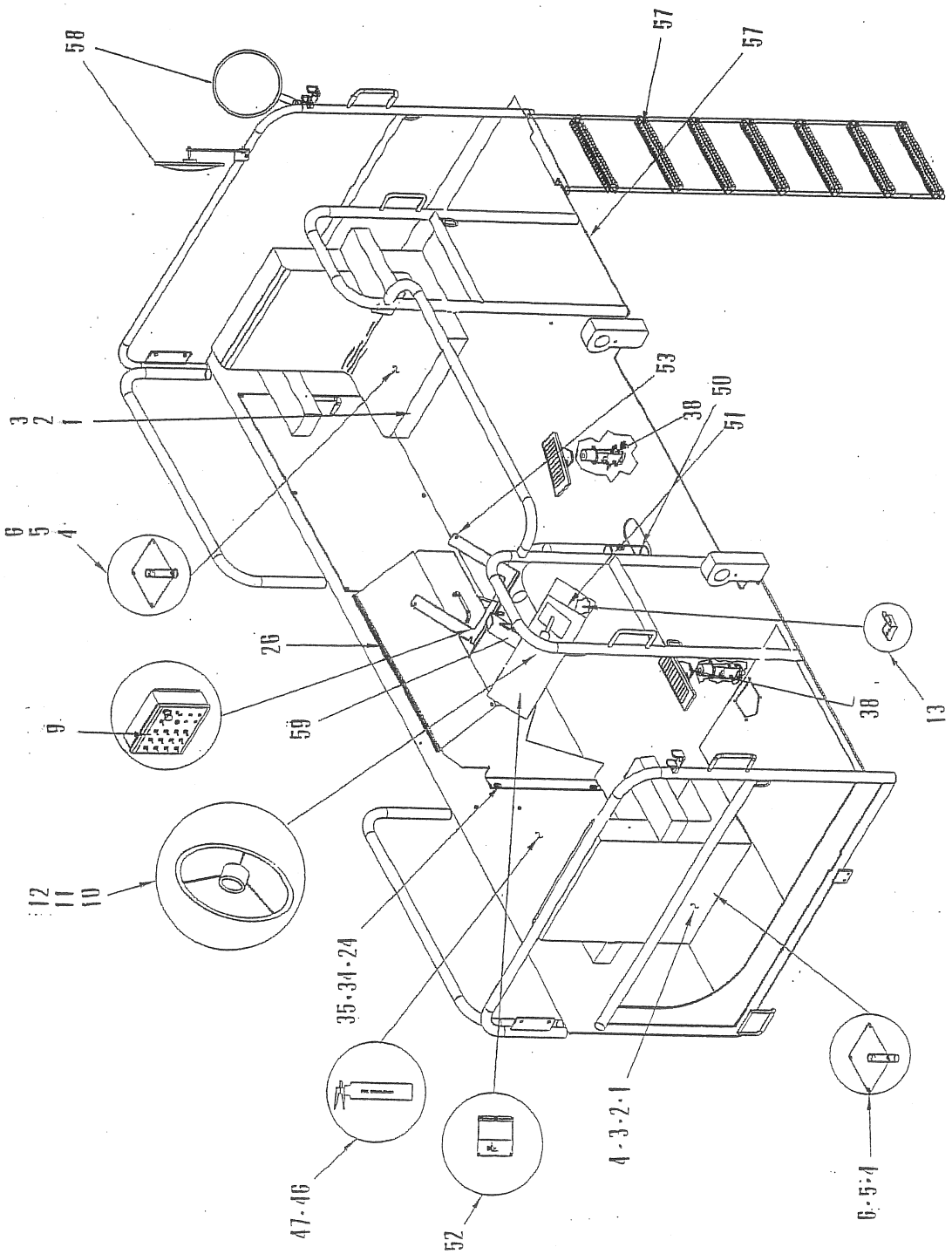
HYDRAULIC PUSH ROLLER

SB-2500B PAINT AND MARKINGS
(140079-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	123659-03	DECAL - HOOD RAISE DIRECTIONS	1
2	92819-04	DECAL - CONVEYOR ADJUSTMENT	6
3	148724-04	DECAL - WARNING CONVEYOR DISCHARGE	2
4	140204-04	DECAL - " SB-2500" (3")	2
5	92801-04	DECAL - WARNING DISCHARGE AREA	2
6	92870-04	DECAL - SERIAL NO. I.D. PLATE	1
7	95906-03	DECAL - AMERICAN FLAG - 8 1/4 X 15"	2
8	92846-04-1	DECAL - ROADTEC LOGO " R " 13 1/4" - RED	2
9			
10	95875-02	DECAL - SHUTTLE BUGGY - BLUE	2
11	92803-04	DECAL - PINCH POINT AREA	9
12	92797-04	DECAL - SET SAFETY BARS	4
13	92820-04	DECAL - STAND CLEAR	2
14	95882-04	DECAL - CAUTION	4
15	147769-04	DECAL - CAUTION DO NOT STAND	2
16	95871-04	DECAL - STAY CLEAR MACHINE IN OPERATION	4
17	127043-04	DECAL - INFLATE TIRES TO 75 P.S.I.	4
18	92794-04	DECAL - DANGER PINCH POINT (BIG)	2
19	131841-04	DECAL - REGISTERED MARK - 3/4" BLUE	2
20	145556-04	DECAL - 5 1/2" SB-2500B (C3 CONV. SIDE)	2
21	131690-04	DECAL - PATENT PLATE	1
22	92798-04	DECAL - CAUTION CLEAN WALKWAYS	2
23	99535-04	DECAL - WASHDOWN	1
24	95874-04	DECAL - HYDRAULIC OIL ONLY	1
25	92800-04-2	DECAL - CAUTION " NO SMOKING "	2
26	96088-04	DECAL - GREASE HERE (1" X 2")	26
27	95868-04	DECAL - MAX. SPEED WITH MAT'L.	2
28	92804-04	DECAL - READ OPERATORS MANUAL	2
29	92799-04	DECAL - INSTALL SAFETY CHAIN	2
30	89725-04	DECAL - WATER (REPL. 92725-04)	1
31	124130-04	DECAL - HYDRAULIC RESERVOIR	1
32	92800-04	DECAL - CAUTION NO SMOKING	1
33	95885-04	DECAL - DIESEL FUEL ONLY	1
34	92802-04	DECAL - CAUTION MOVING MACHINE	1
35	95876-04	DECAL - WARNING " NO RIDERS "	1
36	97602-04	DECAL - CAUTION PINCH POINT AREA	2
37	89716-04	DECAL - SLOW MOVING SAFETY	1
38	89715-04	DECAL - FUEL	1
39	145589-01	DECAL - LUBE CHART SB-2500 (ENGLISH)	1
40	93192-04	DECAL - PINCH POINT	4

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	122129-04	DECAL - FIRE EXT.	1
42	97604-04	DECAL - CAUTION STAND CLEAR	2
43	97605-04	DECAL - CAUTION CLEAR HOPPER WINGS	2
44	124670-04	DECAL - DON'T USE CONV. AS LIFTING BOOM	2
45	122285-04	DECAL - C-1 JUNCTION BOX	1
46			
47			
48	83004-04	PAINT SUPPLY - FISH-EYE BAN 4oz. BOTTLE	1
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50	82996-04	PAINT SUPPLY - BLACK PAINT (GAL.)	6
51	82999-04	PAINT SUPPLY - HARDENER (QTS.)	9
52	122735	PRIMER - HI-BOND SERIES 35 WHITE (GAL.)	20
53	83001-04	PAINT SUPPLY - THINNER (LAQ.) R7K110 (GAL.)	5
54	120288	SPECIAL PUTTY - GLAZE (QT.)	1
55	125643	BLACK HI-BOND PRIMER SERIES #35 (GAL.)	5
56	92465	PAINT SUPPLY - HIGHLAND INT'L. WHITE (GAL.)	12
57	135910-04	DECAL - FXS TRADEMARK	2
58			
59			
60	123700-03-1	DECAL - RAISE TAG	2
61	123700-03-2	DECAL - 2-WAY VALVE TAG	1
62	123700-03-3	DECAL - HAND PUMP DISCONNECT	1
63	123700-03-4	DECAL - LOWER TAG	2
64	123700-03-5	DECAL - RETURN TAG	1
65	136165	WIRE TIES - 3/32" X 3 1/2" LG. (BLK.)	5
66	141342-01	DECAL - "R" 30" RED SB-2500B	2
67	141343-01	DECAL - STRIPES 192" LG. SB-2500B	2
68	121478-04	DECAL - HI / LO THROTTLE	1
69	143063	1" YELLOW STRIPING	440"
70	129611	BLACK & YELLOW CAUTION TAPE	226"
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OPERATORS STATION
(13973B-01)

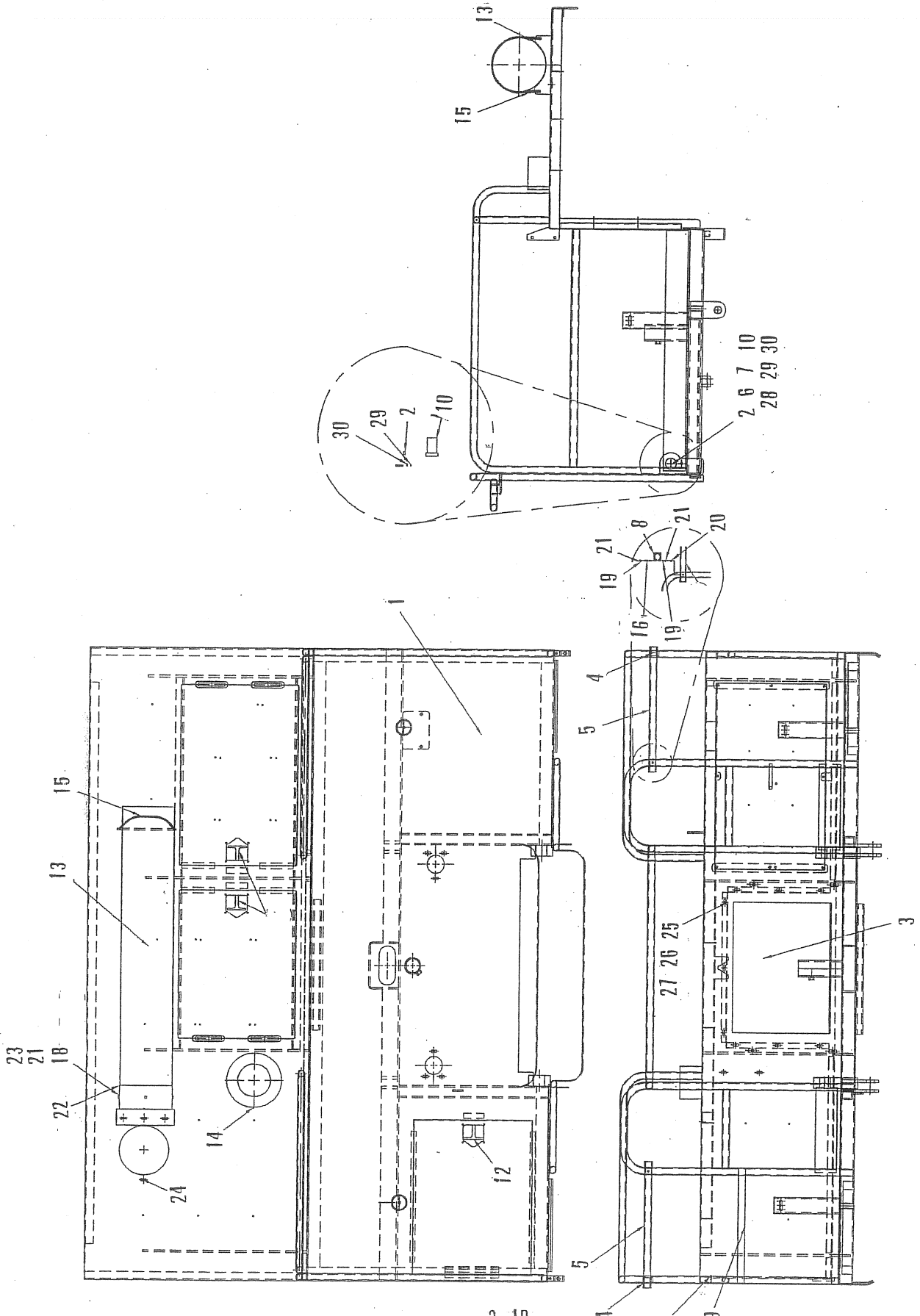


OPERATOR'S STATION ASSEMBLY
(139738-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	27X58	SEAT W/ BOLT KIT	2
2	80292	SINGLE LOCKING ADJUSTER	2
3	87328-04	LOCK WASHER - 5/16 SPRING STEEL	8
4	87953-04	HEX NUT - 5/8 - 18	16
5	90871	FLAT WASHER - 5/16	8
6	128095-02	SEAT BASE WELDMENT	2
7			
8			
9	139735-01	GAUGE PANEL DATA PLATE	
10	O3915	STEERING WHEEL CAP	
11	89045	STEERING COLUMN NUT	
12	O3913	STEERING WHEEL	
13	121388-02	BRACKET - INSIDE OPERATOR'S STATION	1
14			
15	89988-04	HEX BOLT - 1/4 - 20 X 3/4 LG.	6
16	83065	LOCK WASHER - 1/4 SPRING STEEL	6
17	90874	HEX BOLT - 1/2 - 13 X 3 1/2 LG.	2
18	83781-04	FLAT WASHER - 1/2	2
19	84401-04	LOCK WASHER - 1/2	2
20	O6330	RUBBER BUMPER	2
21			
22	135982-04	WING BOLT	4
23			
24	120199-02	CENTER CONSOLE WELDMENT	1
25			
26	120201-02	CENTER CONSOLE FRONT COVER	1
27	84071-04	HEX NUT - 3/4 - 10	1
28	83133	FLAT WASHER - 3/4	1
29	89154	HEX BOLT - 3/4 - 10 X 4 1/4 LG.	1
30			
31	84444	FLAT WASHER - 1/4	4
32	83113	HEX BOLT - 1/4 - 20 X 1 LG.	4
33	83757	FLAT WASHER - 3/8	6
34	84332	HEX BOLT - 3/8 - 16 X 1 LG.	14
35	83056	LOCK WASHER - 3/8 SPRING STEEL	19
36	99450-01	CENTER CONSOLE DATA PLATE	
37	83055	HEX NUT - 3/8 - 16	4
38	99365	BRAKE ACCUATOR VALVE	
39	139762-01	LADDER	
40			

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41			
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45	140662	THROTTLE CABLE - 144"/ 3" TRAVEL	1
46	99583	FIRE EXTINGUISHER	1
47	84779	CSK. BOLT - 1/4 - 20 X 1 LG.	2
48			
49	140120-04	SELF-TAPPING SCREWS	22
50	140111-02	CONSOLE BASE	
51	140071-01	OPERATORS MAIN CONSOLE	1
52	140069-03	OPERATORS DRIVE CONSOLE DATA PLATE	
53	140063-02	OPERATOR CONSOLE MOUNT	1
54	139988-01	DATA PLATE - STEERING CNTL. BOX	
55	133394	RATCHET HANDLE (NOT SHOWN)	1
56	99441	STEERING CONTROL BOX	1
57	141413-01	PLATFORM	
58	144370-01	MIRROR ASSYS.	1
59	140448-03	CONSOLE SUPPORT	1
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OPERATORS PLATFORM
(146424-01)

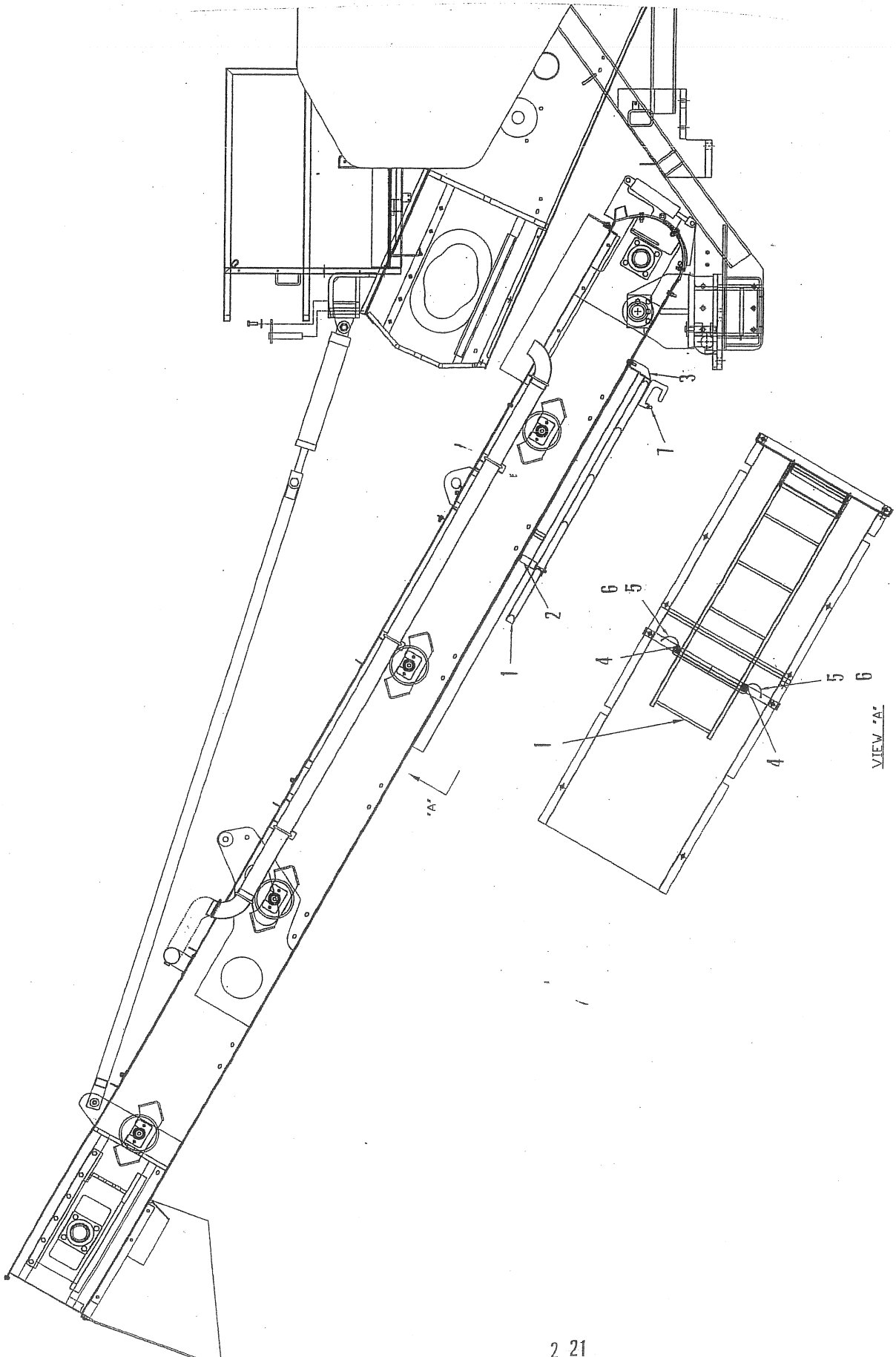


OPERATOR'S PLATFORM ASSEMBLY
(146424-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	141413-01	PLATFORM WELDMENT	1
2	140926-04	PLATFORM HINGE SPACER	2
3	141242-03	CENTER CONSOLE INSULATION COVER	1
4	141243-04	PLATFORM HANDRAIL - "D" RING	2
5	141069-04	PLATFORM GATE	2
6	141547-02R	ADJ. PLATFORM PIVOT LUG (RIGHT)	1
7	141547-02L	ADJ. PLATFORM PIVOT LUG (LEFT)	1
8	87339-C3	KIT - 1" PIPE CLAMP	4
9	144414-03	HANDRAIL OPENING SAFETY BAR	1
10	139759-03	PLATFORM PIVOT PIN	2
11	143074-01	OPERATORS PLATFORM INSULATION	1
12	139779-04	FLUSH CAP LOCKING HANDLE	3
13	129227-03	VENT PIPE - FUME X	1
14	93141	RAIN CAP	1
15	132040	BUNGIE CORD - 3/8" X 16"	1
16	86192	ALL-THREAD 3/8 - 16 X 3"	2
17			
18	83056	LOCKWASHER 3/8" STEEL	7
19	83757	FLAT WASHER 3/8" STEEL	4
20	92235	NUT, LOCK - 3/8"	2
21	83055	NUT, HEX 3/8 - 16 GD. 8	8
22	84332	BOLT, HEX 3/8 - 16 X 1"	7
23	89987-04	BOLT, WING 3/8 - 16 X 1	1
24	83113	BOLT, HEX 1/4 - 20 X 1"	9
25	84444	FLAT WASHER 1/4"	9
26	83065	LOCKWASHER 1/4"	9
27	93144	BOLT, HEX 1/2 - 13 X 1 1/2"	8
28	83781-04	FLAT WASHER 1/2"	8
29	83317-04	LOCKWASHER 1/2"	8
30	146182-01	SERVICE LADDER ASSY.	1
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.

SERVICE LADDER ASSEMBLY
(146182-01)



SERVICE LADDER ASSEMBLY
(146182-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	146183-02	SERVICE LADDER	1
2	146184-02	LADDER BRACKET	1
3	146185-02	LADDER BRACKET	1
4	144993-04	LYNCH PIN	2
5	86556-04	1/16" AIRCRAFT CABLE X 12' LG.	2
6	86645-04	ALUMINUM SLEEVE	4
7	129894	BULB TRIM 5/8" SIDE MOUNT X 15' LG.	1
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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SB-2500B FRONT AND REAR AXLE ASSY.
(143504-01)

FRONT AND REAR AXLE ASSEMBLY
(143504-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	89462-04	GREASE FITTING - 1/8 NPT X 90	2
2	130488-03	LINKAGE PIVOT	4
3	130487-03	LINKAGE ARM	4
4	140449-01	FRONT AXLE TRUNNION ROCKWELL STEERING AXLE	1
5	130486-01	2 - SPEED BRACKET	2
6	130686-04	ROCKWELL STEERING CYLINDER PIN (SHORT)	2
7			
8			
9	130489-03	2-SPEED CYLINDER TAKE-UP	2
10			
11	140265-04	AXLE W/ TIR ROD ASSEMBLY	2
12	130422	SCREW SET - 26 X 124 SET	4
13	130422-C1	NUT-JAM - 7/8 - 14	4
14	124467	TIRE ASS'Y - 21.00 X 25 TIRE * SB-2500	4
15			
16			
17	83427	LOCK WASHER - 1" SPRING STEEL	16
18	98453	HEX NUT - 1 - 8 UNC GD. 8	16
19	120891-04	BRASS SPACER	2
20	29M85	BUSHING - DURALON	2
21	99278-02	FRONT AXLE PIVOT WELDMENT	1
22			
23			
24			
25	99359	BOLT - HEX - 1/8 X 5 GD. 8	4
26			
27			
28	27D65	PIN - COTTER - 3/16 X 1 3/4	4
29			
30		PIVOT PIN RETAINER (REF. MAIN FRAME)	REF.
31	130541	NUT-JAM - 1/2 - 20 GD. 8	8
32	130540	BOLT - HEX - 1/2 - 20 X 2 FULL THREAD GD. 8	2
33	130842	PIN - COTTER - 3/32 X 3/4	6
34	130852-04	SHIFT CYLINDER PIN	6
35	84778	BOLT - HEX - 5/8 - 11 UNC X 1 1/2 LG. GD. 8	4
36	83752-04	LOCK WASHER - 5/8	4
37	85148	NUT - HEX - 5/8 - 11 UNC GD. 8	4
38	89151	BOLT HEX - 3/4 - 10 UNC X 3 LG. GD. 8	REF.
39	96475	BOLT- HEX - 3/8 - 16 UNC X 2 LG. GD. 8	2
40	92235	NUT - LOCK 3/8 - 16 UNC GD. 8	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	83787-04	BOLT- HEX - 3/4 - 10 X 3 1/2	8
42	140174-04	STEERING CYLINDER PIN WASHER	4
43	140175-04	STEERING CYLINDER PIN	2
44	20N62	3/8 - 16 UNC X 5 CAPSCREW	2
45	83757	3/8 FLAT WASHER	4
46	92235	3/8 - 16 UNC LOCKNUT	2
47	141499-03-A4	TIRE & RIM ASSY.	4

ALWAYS REFER TO THE MACHINE SERIAL NUMBER WHEN ORDERING PARTS OR WRITING FOR INFORMATION. SPACE IS PROVIDED BELOW TO RECORD PERTINENT INFORMATION CONCERNING YOUR MACHINE.

SERIAL NUMBER:	
DATE PURCHASED:	
ENGINE MAKE:	
ENGINE MODEL:	

CHANGES

PARTS INFO.	SERVICE INFO.	GROUP	PAGE	NOTES

NOTES:

FOR ADDITIONAL INFORMATION OR ASSISTANCE :

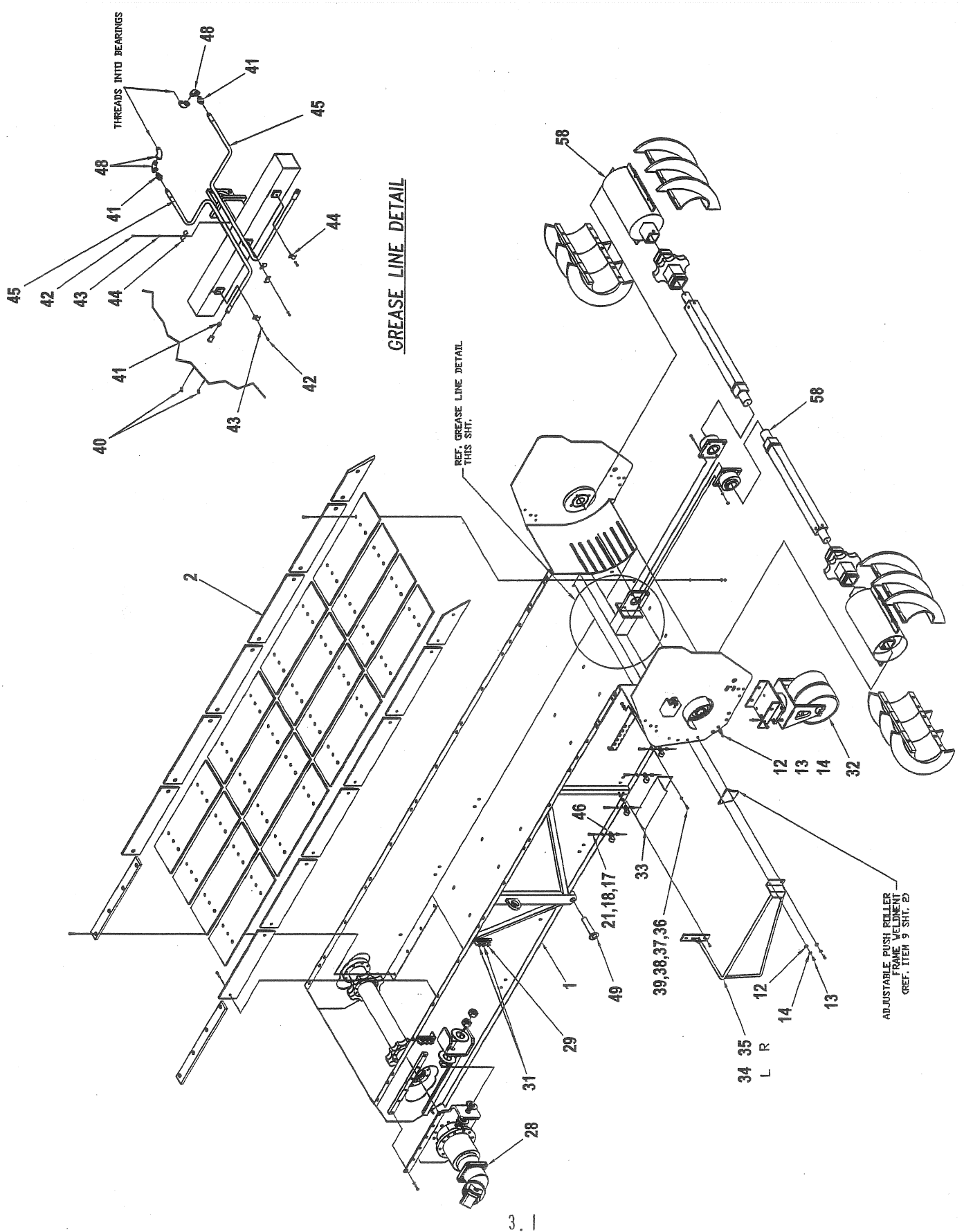
ROADTEC,INC.
800 MANUFACTURERS RD.
P.O. BOX 180515
CHATTANOOGA, TN. 37404-7515
PHONE: 423-265-0600
1-800-272-7100
FAX: 423-267-7104

ROADTEC, INC - PARTS
2090 RIVERSIDE DRIVE
CHATTANOOGA, TN. 37406
PHONE: 423-622-9202
1-877-266-8882
FAX: 423-622-9072

SECTION 3 : CONVEYORS

ASSEMBLY	PART NO.	S/N	PAGE NO.
C-1 CONVEYOR	147825-01	604 & UP	3.1
C-1 CONVEYOR	145356-01	573 - 603	3.45
CHAIN & AUGER	145354-01	573 & UP	3.5
TOP COVER W/ FUME	142696-01		3.9
WEAR PLATES	142711-01	504 & UP	3.11
DUMP HOPPER	142862-01		3.13
VIBRATOR	133304-01	602 & UP	3.15
BAFFLE	141581-01	500 & UP	3.17
BAFFLE TROLLEY	141584-01	500 & UP	3.19
ADJ. PUSH ROLLER TROLLEY FRAME	142431-01	504 & UP	3.21
CASTER	142718-02		3.23
C-2 CONVEYOR	145313-01	582 & UP	3.25
C-3 CONVEYOR	145971-01	585 & UP	3.31
TOP COVER W/ FUME	145562-01	575 & UP	3.35
C-3 CHAIN	138907-02		3.37
IDLER ROLLER	143264-03	520 & UP	3.40
C-1 / C-3 DRIVE GEAR BOX	142347-01		3.42

C-1 CONVEYOR ASSEMBLY
(147825-01)

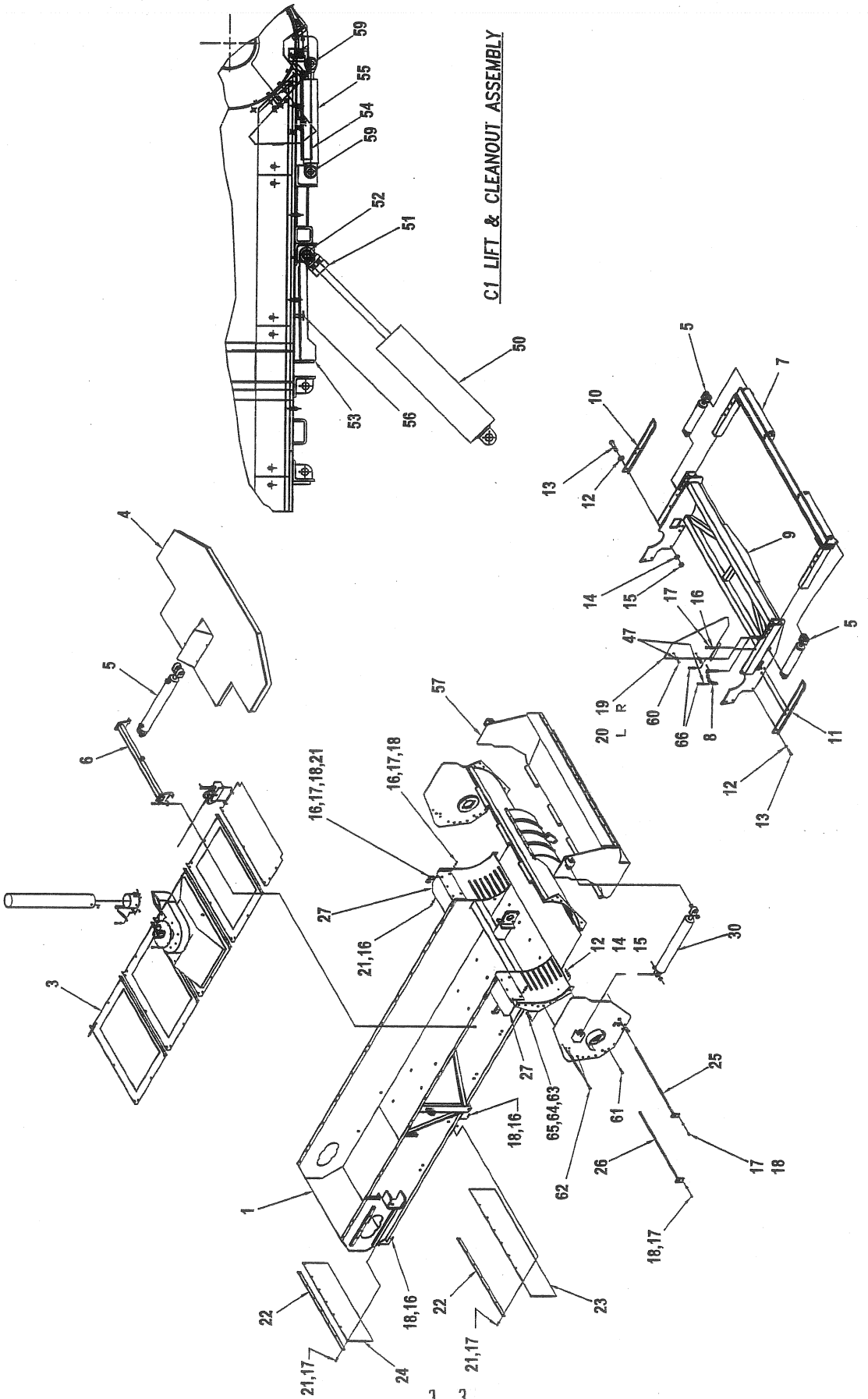


SB-2500B C-1 CONVEYOR
(147825-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	145537-01	C-1 CONVEYOR	1
2	142711-01	C-1 CONVEYOR WEAR PLATES	1
3	142696-01	TOP COVER & FUME EXTRACTION SUB-ASSY.	1
4	141581-01	C-1 BAFFLE	1
5	97482-01	CYL. 2.50 NBORE / 12.250 STROKE W/ PINS	3
6	133353-01	HYD. BAFFLE CROSSBAR	1
7	142431-01	ADJ. PUSH ROLLER TROLLEY FRAME	1
8	137460-03	HYD. PUSH ROLLER LOCKING PIN	2
9	134371-01	ADJ. PUSH ROLLER FRAME	1
10	131451-03L	L.H. SKID RUNNER	1
11	131451-03R	R.H. SKID RUNNER	1
12	85147	WASHER, FLAT 5/8" STEEL	16
13	16R05	BOLT, HEX 5/8 - 11 X 3" GD. 8	12
14	84717	LOCKWASHER 5/8"	16
15	85148	NUT, HEX 5/8 - 11 GD. 8 Z	16
16	83781-04	WASHER, FLAT 1/2" STEEL	24
17	83317	LOCKWASHER 1/2" SPRING STEEL GD. 8	24
18	83288	NUT, HEX 1/2 - 13 GD. 8	24
19	137597-02	R.H. PUSH ROLLER / HITCH SAFETY PLATE	1
20	137598-02	L.H. PUSH ROLLER / HITCH SAFETY PLATE	1
21	93144	BOLT, HEX 1/2 - 13 X 1 1/2" GD. 8	32
22	99159-03	CLAMP BAR	2
23	99158-03	RUBBER FLASHING	1
24	99580-03	RUBBER FLASHING	1
25	99183-03	DUMP HOPPER PIVOT PIN	2
26	122019-03	DUMP HOPPER LINER PIVOT PIN	2
27	138040-03	CONTROL COVER GUARD PLATE	2
28	137400-04	MOTOR - BENT AXIS 63 CC / REV	2
29	149015	CLAMP - MOUNTING FOR 1 1/8" O.D. HOSE	4
30	83322-01	CYL. 3" BORE / 15 3/4" STROKE	
31	11K76	CLAMP, HOSE 1 1/4" O.D.	8
32	142718-02	CASTER	2
33	134208-01	C-1 VALVE COVER	1
34	147824-01L	SAFETY BAR (L.H.)	1
35	147824-01R	SAFETY BAR (R.H.)	1
36	83055	NUT, HEX 3/8 - 16 GD. 8	2
37	83056	LOCKWASHER 3/8" SPRING STEEL	2
38	83757	WASHER, FLAT 3/8" STEEL	4
39	84332	BOLT, HEX 3/8 - 16 X 1" GD. 8	2
40	89462-04	GREASE FITTING 1/8" NPT 90	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	83742-04	CONNECTOR - 1/4 TO 8 JIC ST.	2
42	89988-04	BOLT, HEX 1/4 - 20 X 3/4" GD. 8Z	3
43	83065	LOCKWASHER 1/4" SPRING STEEL	3
44	80539-04	CLAMP, CONDUIT 3/8" STEEL	3
45	122279	GREASE LINE - 50 1/2" LG. W/ 4 JIC SW. END	2
46	95966	CLIP - 3/4" HOSE FOR 3/8" BOLT	8
47	10D63	FLAT WASHER 1/2" HARD	6
48	86093-04	FITTING - 1/8" NPT 90 STREET	4
49	99165-04	PIN - PIVOT	2
50	29E83	CYL. C-1 LIFT W/ PINS	2
51	139371-04	CYLINDER STOP	4
52	137539-03	SAFETY BAR CYL. PIN	2
53	137502-01	SAFETY BAR CYL. PIN	2
54	128215-02	CYLINDER ROD COVER	1
55	83322-01	CYL. - 3" BORE 15 3/4" STROKE (CLEAN-OUT)	
56	144993-04	LYNCH PIN 3/16"	2
57	142862-01	DUMP HOPPER	1
58	145354-01	CHAIN AND AUGER (SUB-ASSY.)	1
59	128267-04	CYLINDER PIN	2
60	23V93	BOLT, HEX 1/2 - 13 X 3/4"	4
61	96041	BOLT, HEX 5/8 - 11 X 2"	4
62	93071	BOLT, HEX 3/4 - 10 X 2"	8
63	83133	FLAT WASHER 3/4" STEEL	8
64	83752-04	LOCKWASHER 3/4" SPRING STEEL	8
65	84071-04	NUT, HEX 3/4 - 10 GD. 8	8
66	83754	BOLT, HEX 1/2 - 13 X 1"	6
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C-1 CONVEYOR ASSEMBLY
(147825-01)

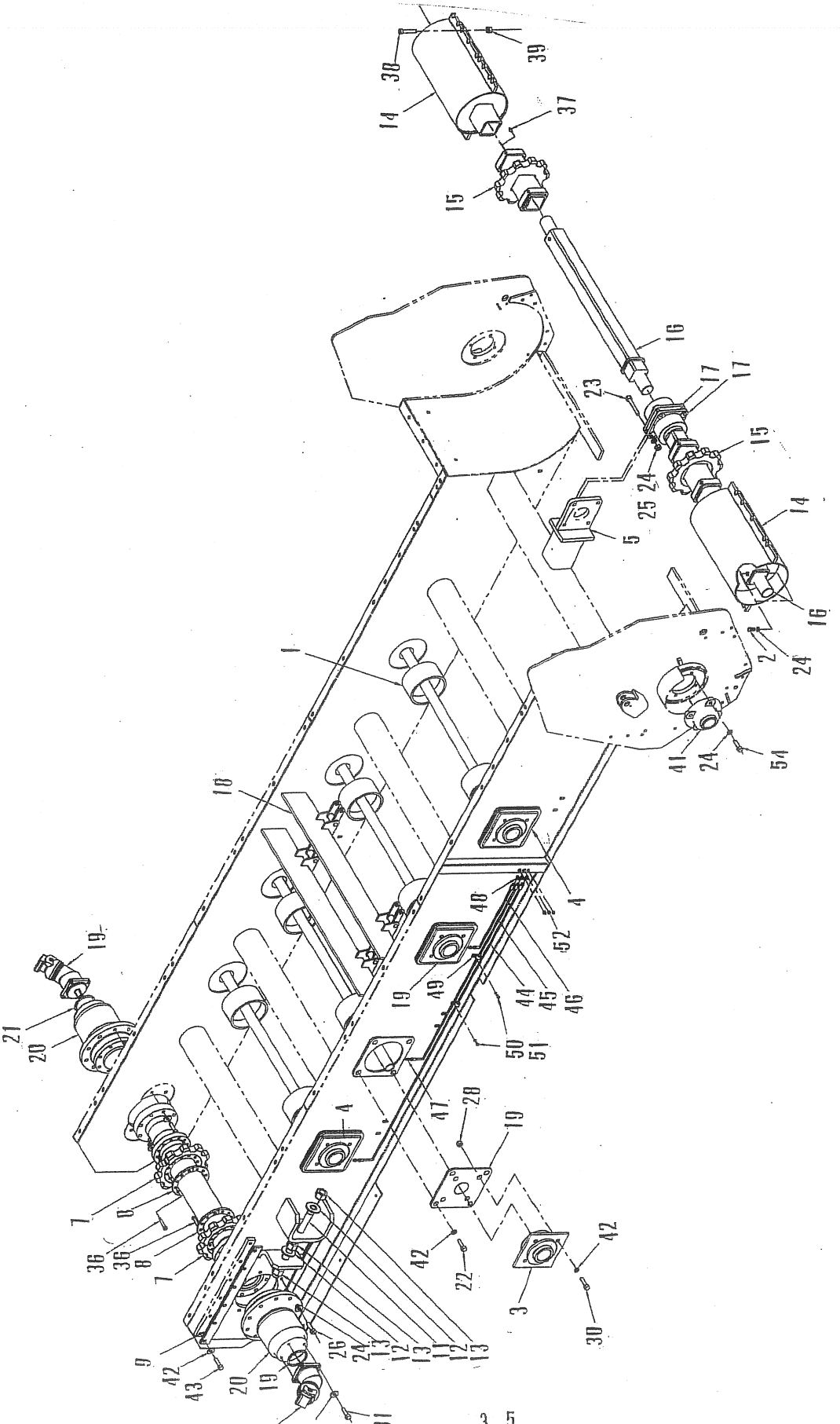


SB-2500B C-1 CONVEYOR
(147825-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	145537-01	C-1 CONVEYOR	1
2	142711-01	C-1 CONVEYOR WEAR PLATES	1
3	142696-01	TOP COVER & FUME EXTRACTION SUB-ASSY.	1
4	141581-01	C-1 BAFFLE	1
5	97482-01	CYL. 2.50 NBORE / 12.250 STROKE W/ PINS	3
6	133353-01	HYD. BAFFLE CROSSBAR	1
7	142431-01	ADJ. PUSH ROLLER TROLLEY FRAME	1
8	137460-03	HYD. PUSH ROLLER LOCKING PIN	2
9	134371-01	ADJ. PUSH ROLLER FRAME	1
10	131451-03L	L.H. SKID RUNNER	1
11	131451-03R	R.H. SKID RUNNER	1
12	85147	WASHER, FLAT 5/8" STEEL	16
13	16R05	BOLT, HEX 5/8 - 11 X 3" GD. 8	12
14	84717	LOCKWASHER 5/8"	16
15	85148	NUT, HEX 5/8 - 11 GD. 8 Z	16
16	83781-04	WASHER, FLAT 1/2" STEEL	24
17	83317	LOCKWASHER 1/2" SPRING STEEL GD. 8	24
18	83288	NUT, HEX 1/2 - 13 GD. 8	24
19	137597-02	R.H. PUSH ROLLER / HITCH SAFETY PLATE	1
20	137598-02	L.H. PUSH ROLLER / HITCH SAFETY PLATE	1
21	93144	BOLT, HEX 1/2 - 13 X 1 1/2" GD. 8	32
22	99159-03	CLAMP BAR	2
23	99158-03	RUBBER FLASHING	1
24	99580-03	RUBBER FLASHING	1
25	99183-03	DUMP HOPPER PIVOT PIN	2
26	122019-03	DUMP HOPPER LINER PIVOT PIN	2
27	138040-03	CONTROL COVER GUARD PLATE	2
28	137400-04	MOTOR - BENT AXIS 63 CC / REV	2
29	149015	CLAMP - MOUNTING FOR 1 1/8" O.D. HOSE	4
30	83322-01	CYL. 3" BORE / 15 3/4" STROKE	
31	11K76	CLAMP, HOSE 1 1/4" O.D.	8
32	142718-02	CASTER	2
33	134208-01	C-1 VALVE COVER	1
34	147824-01L	SAFETY BAR (L.H.)	1
35	147824-01R	SAFETY BAR (R.H.)	1
36	83055	NUT, HEX 3/8 - 16 GD. 8	2
37	83056	LOCKWASHER 3/8" SPRING STEEL	2
38	83757	WASHER, FLAT 3/8" STEEL	4
39	84332	BOLT, HEX 3/8 - 16 X 1" GD. 8	2
40	89462-04	GREASE FITTING 1/8" NPT 90	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	83742-04	CONNECTOR - 1/4 TO 8 JIC ST.,	2
42	89988-04	BOLT, HEX 1/4 - 20 X 3/4" GD. 8Z	3
43	83065	LOCKWASHER 1/4" SPRING STEEL	3
44	80539-04	CLAMP, CONDUIT 3/8" STEEL	3
45	122279	GREASE LINE - 50 1/2" LG. W/ 4 JIC SW. END	2
46	95966	CLIP - 3/4" HOSE FOR 3/8" BOLT	8
47	10D63	FLAT WASHER 1/2" HARD	6
48	86093-04	FITTING - 1/8" NPT 90 STREET	4
49	99165-04	PIN - PIVOT	2
50	29E83	CYL. C-1 LIFT W/ PINS	2
51	139371-04	CYLINDER STOP	4
52	137539-03	SAFETY BAR CYL. PIN	2
53	137502-01	SAFETY BAR CYL. PIN	2
54	128215-02	CYLINDER ROD COVER	1
55	83322-01	CYL. - 3" BORE 15 3/4" STROKE (CLEAN-OUT)	
56	144993-04	LYNCH PIN 3/16"	2
57	142862-01	DUMP HOPPER	1
58	145354-01	CHAIN AND AUGER (SUB-ASSY.)	1
59	128267-04	CYLINDER PIN	2
60	23V93	BOLT, HEX 1/2 - 13 X 3/4"	4
61	96041	BOLT, HEX 5/8 - 11 X 2"	4
62	93071	BOLT, HEX 3/4 - 10 X 2"	8
63	83133	FLAT WASHER 3/4" STEEL	8
64	83752-04	LOCKWASHER 3/4" SPRING STEEL	8
65	84071-04	NUT, HEX 3/4 - 10 GD. 8	8
66	83754	BOLT, HEX 1/2 - 13 X 1"	6
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CHAIN AND AUGER SUB-ASSEMBLY
(145354-01)

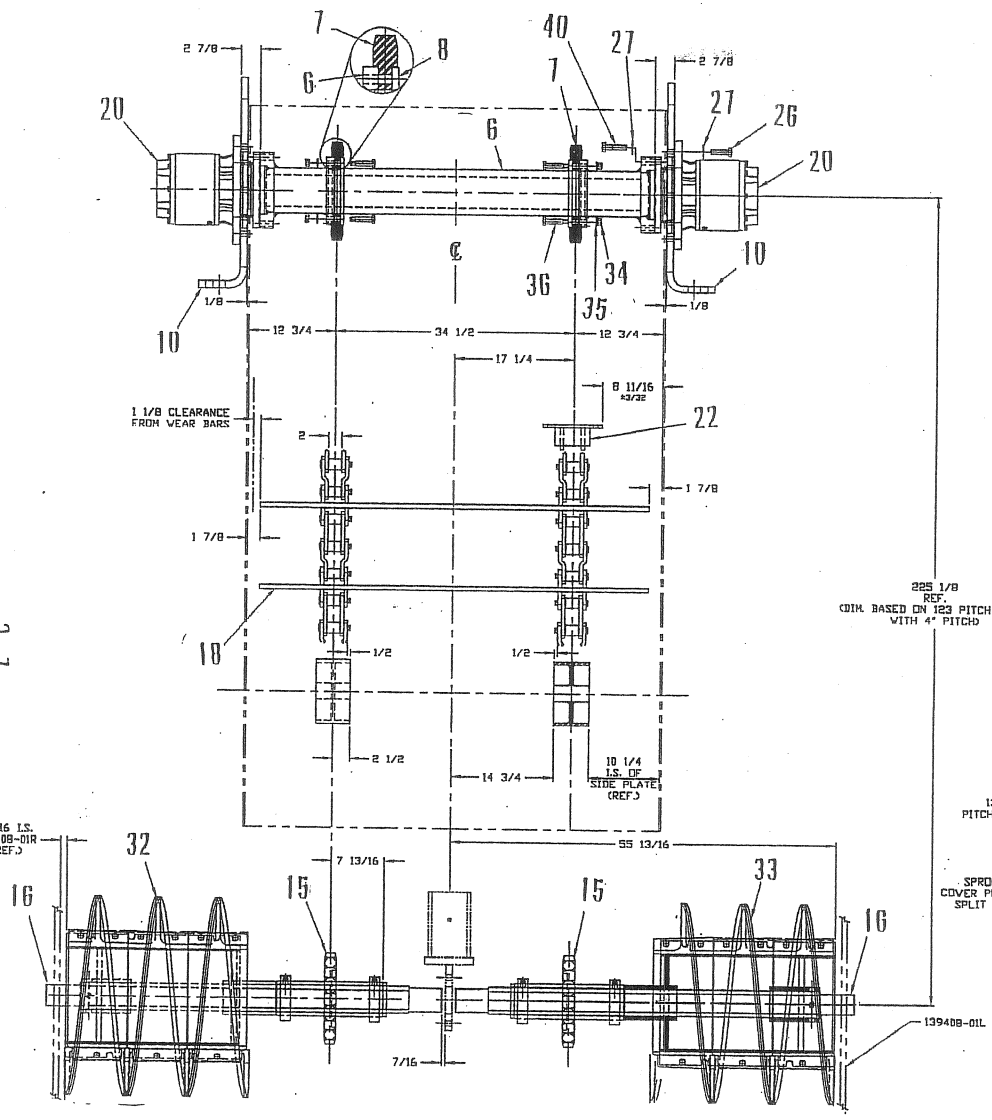


CHAIN AND AUGER SUB-ASSY.
(145354-01)

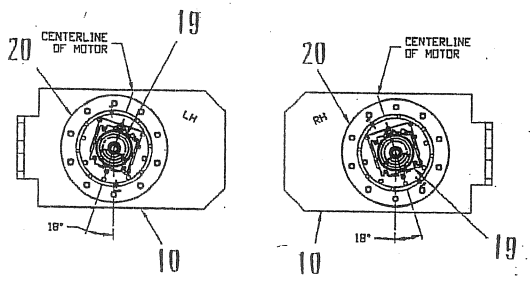
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	145488-01	C-1 IDLER ROLLER SHAFT	4
2	123379	BOLT, HEX 3/4 - 16 X 1 3/4" GD. 8	4
3	88993-04	BEARING - 4 BOLT FLANGE FOR 2 7/16" SHAFT	8
4	145490-03	MOUNTING PLATE - C1 IDLER BEARINGS	4
5	122323-02	C-1 FOOTSHAFT CTR. BEARING MOUNT	
6	138593-01	HEADSHAFT	1
7	139350-02	SPROCKET C-1 / C-2 DRIVE	2
8	136665-04	SPROCKET COVER PLATE	8
9	122419-03	UPPER KEEPER BAR	2
10	122404-01	C-1 TAKE-UP	2
11	99060-04	TAKE-UP SCREW	2
12	83032	WASHER, FLAT 1 1/2" N SERIES	8
13	83031	NUT, HEX 1 1/2 - 6 GD. 8	6
14	122583-01	AUGER MOUNTING TUBE	2
15	140836-01	10 T. SPROCKET (C-1 FOOTSHAFT)	2
16	122598-01	CONVEYOR FOOTSHAFT	2
17	27M97	BEARING 3 1/2" PILOTED (FOOTSHAFT)	2
18	138905-02	C-1 CONVEYOR CHAIN ASSY.	1
19	145494-02	MIDDLE MOUNTING PLATE - C1 IDLER BEARINGS	4
20	145338-01	TRANS. GEARBOX C-1 & C-3 CONVEYORS	2
21	97489	O-RING KIT 70D	2
22	84778	BOLT, HEX 5/8 - 11 X 1 1/2" GD. 8	32
23	97342	BOLT, HEX 3/4 - 10 X 4 3/4"	4
24	83752-04	LOCKWASHER 3/4" SPRING STEEL	12
25	84071-04	NUT, HEX 3/4 - 10 ASTM 563-A GD. 8	4
26	93189	BOLT, HEX 3/4 - 10 X 2 1/4"	20
27	95937	WASHER, FLAT 3/4" HARD	20
28	85148	NUT, HEX 5/8 - 11 GD. 8	32
29	83317	LOCKWASHER 1/2" SPRING STEEL	20
30	96041	BOLT, HEX 1/2 - 13 X 2"	32
31	93144	BOLT, HEX 1/2 - 13 X 1 1/2"	4
32	96003-01	FLIGHT, 8 3/4 PITCH AUGER (L.S.)	6
33	96004	FLIGHT, 8 3/4 PITCH AUGER (R.S.)	6
34	139741-04	NUT, CTR. LOCK 1/2 - 13 GD.8	24
35	10D63	WASHER, HARD 1/2" A325	24
36	138651-04	BOLT, SHOULDER 5/8 X 2 1/2"	24
37	125532	SCREW, CUP PT SET 3/4 - 10 X 1 1/2"	4
38	95834	SCREW, SHCS 3/4 - 10 X 4"	12
39	88164	NUT, LOCK 3/4 - 10 GD. 8	20
40	122336	BOLT, HEX 3/4 - 16 X 3" GD. 8	16

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	122266-04	BEARING, ROLLER 3" DIA.	2
42	84717	LOCKWASHER 5/8" SPRING STEEL	64
43	89143	BOLT, HEX 5/8 - 11 X 1 3/4"	12
44	134176-04	GREASE LINE - 1/4' X 125" W/ 4 JIC SW	2
45	134178-04	GREASE LINE - 1/4' X 85" W/ 4 JIC SW	2
46	144367-04	GREASE LINE - 1/4" X 36" W/ 4 JIC SW	2
47	83742-04	FITTING - 4 JIC X 1/8 NPT ST ADAPTER	6
48	84560-04	FITTING - 4 JIC X 1/8 NPT 90 ADAPTER	6
49	80539-04	CLAMP - 3/8" CONDUIT (METAL)	8
50	89773	BOLT, HEX 1/4 - 20 X 1" GD. 8	4
51	83065	LOCKWASHER 1/4" SPRING STEEL	4
52	83416	GREASE FITTING - 1/8" NPT STRAIGHT	6
53	131705	GREASE LINE - 20" W/ 4 JIC ENDS (NOT SHOWN)	2
54	96041	BOLT, HEX 5/8 - 11 X 2" GD. 8	8
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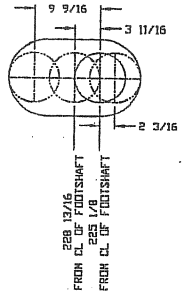
CHAIN AND AUGER SUB-ASSEMBLY
(145354-01)



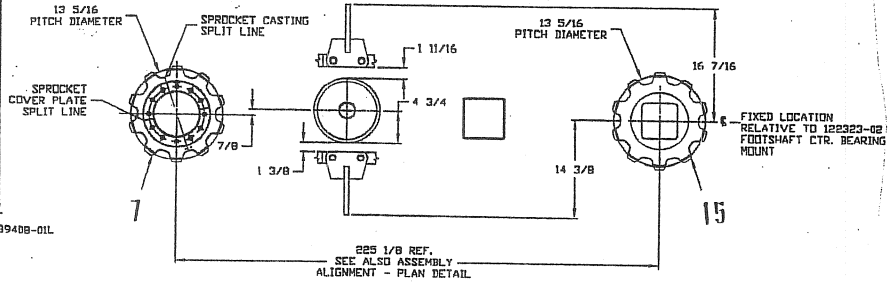
ASSEMBLY ALIGNMENT
(PLAN)



ESKRIDGE ORIENTATION
FOR LEVEL C1



MAX. TRAVEL OF
C1 CONVEYOR
HEADSHAFT



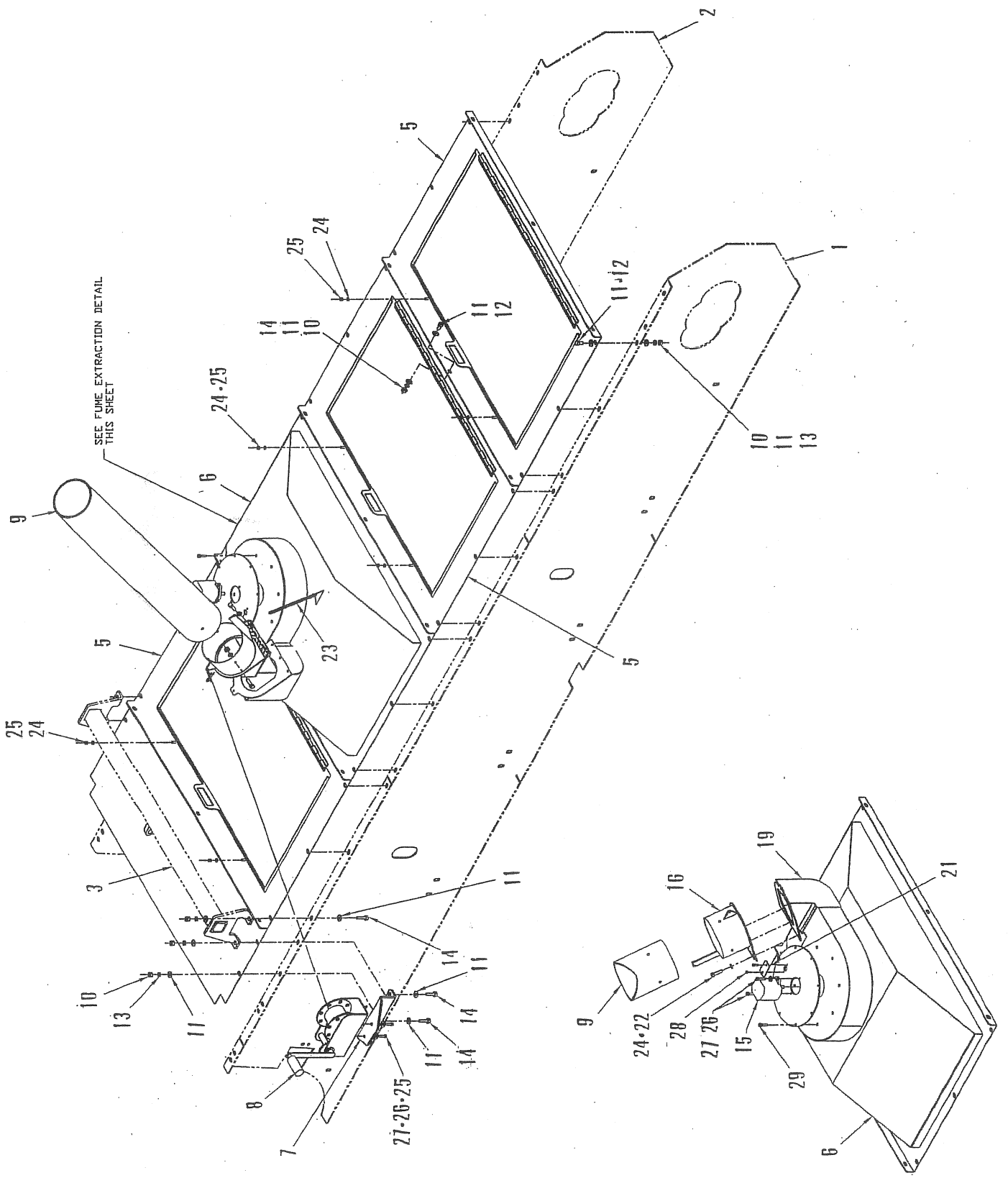
ASSEMBLY ALIGNMENT
(ELEVATION)

CHAIN AND AUGER SUB-ASSY.
(145354-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	145488-01	C-1 IDLER ROLLER SHAFT	4
2	123379	BOLT, HEX 3/4 - 16 X 1 3/4" GD. 8	4
3	88993-04	BEARING - 4 BOLT FLANGE FOR 2 7/16" SHAFT	8
4	145490-03	MOUNTING PLATE - C1 IDLER BEARINGS	4
5	122323-02	C-1 FOOTSHAFT CTR. BEARING MOUNT	
6	138593-01	HEADSHAFT	1
7	139350-02	SPROCKET C-1 / C-2 DRIVE	2
8	136665-04	SPROCKET COVER PLATE	8
9	122419-03	UPPER KEEPER BAR	2
10	122404-01	C-1 TAKE-UP	2
11	99060-04	TAKE-UP SCREW	2
12	83032	WASHER, FLAT 1 1/2" N SERIES	8
13	83031	NUT, HEX 1 1/2 - 6 GD. 8	6
14	122583-01	AUGER MOUNTING TUBE	2
15	140836-01	10 T. SPROCKET (C-1 FOOTSHAFT)	2
16	122598-01	CONVEYOR FOOTSHAFT	2
17	27M97	BEARING 3 1/2" PILOTED (FOOTSHAFT)	2
18	138905-02	C-1 CONVEYOR CHAIN ASSY.	1
19	145494-02	MIDDLE MOUNTING PLATE - C1 IDLER BEARINGS	4
20	145338-01	TRANS. GEARBOX C-1 & C-3 CONVEYORS	2
21	97489	O-RING KIT 70D	2
22	84778	BOLT, HEX 5/8 - 11 X 1 1/2" GD. 8	32
23	97342	BOLT, HEX 3/4 - 10 X 4 3/4"	4
24	83752-04	LOCKWASHER 3/4" SPRING STEEL	12
25	84071-04	NUT, HEX 3/4 - 10 ASTM 563-A GD. 8	4
26	93189	BOLT, HEX 3/4 - 10 X 2 1/4"	20
27	95937	WASHER, FLAT 3/4" HARD	20
28	85148	NUT, HEX 5/8 - 11 GD. 8	32
29	83317	LOCKWASHER 1/2" SPRING STEEL	20
30	96041	BOLT, HEX 1/2 - 13 X 2"	32
31	93144	BOLT, HEX 1/2 - 13 X 1 1/2"	4
32	96003-01	FLIGHT, 8 3/4 PITCH AUGER (L.S.)	6
33	96004	FLIGHT, 8 3/4 PITCH AUGER (R.S.)	6
34	139741-04	NUT, CTR. LOCK 1/2 - 13 GD.8	24
35	10D63	WASHER, HARD 1/2" A325	24
36	138651-04	BOLT, SHOULDER 5/8 X 2 1/2"	24
37	125532	SCREW, CUP PT SET 3/4 - 10 X 1 1/2"	4
38	95834	SCREW, SHCS 3/4 - 10 X 4"	12
39	88164	NUT, LOCK 3/4 - 10 GD. 8	20
40	122336	BOLT, HEX 3/4 - 16 X 3" GD. 8	16

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	122266-04	BEARING, ROLLER 3" DIA.	2
42	84717	LOCKWASHER 5/8" SPRING STEEL	64
43	89143	BOLT, HEX 5/8 - 11 X 1 3/4"	12
44	134176-04	GREASE LINE - 1/4' X 125" W/ 4 JIC SW	2
45	134178-04	GREASE LINE - 1/4' X 85" W/ 4 JIC SW	2
46	144367-04	GREASE LINE - 1/4" X 36" W/ 4 JIC SW	2
47	83742-04	FITTING - 4 JIC X 1/8 NPT ST ADAPTER	6
48	84560-04	FITTING - 4 JIC X 1/8 NPT 90 ADAPTER	6
49	80539-04	CLAMP - 3/8" CONDUIT (METAL)	8
50	89773	BOLT, HEX 1/4 - 20 X 1" GD. 8	4
51	83065	LOCKWASHER 1/4" SPRING STEEL	4
52	83416	GREASE FITTING - 1/8" NPT STRAIGHT	6
53	131705	GREASE LINE - 20" W/ 4 JIC ENDS (NOT SHOWN)	2
54	96041	BOLT, HEX 5/8 - 11 X 2" GD. 8	8
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TOP COVER & FUME EXTRACTION
(142696-01)

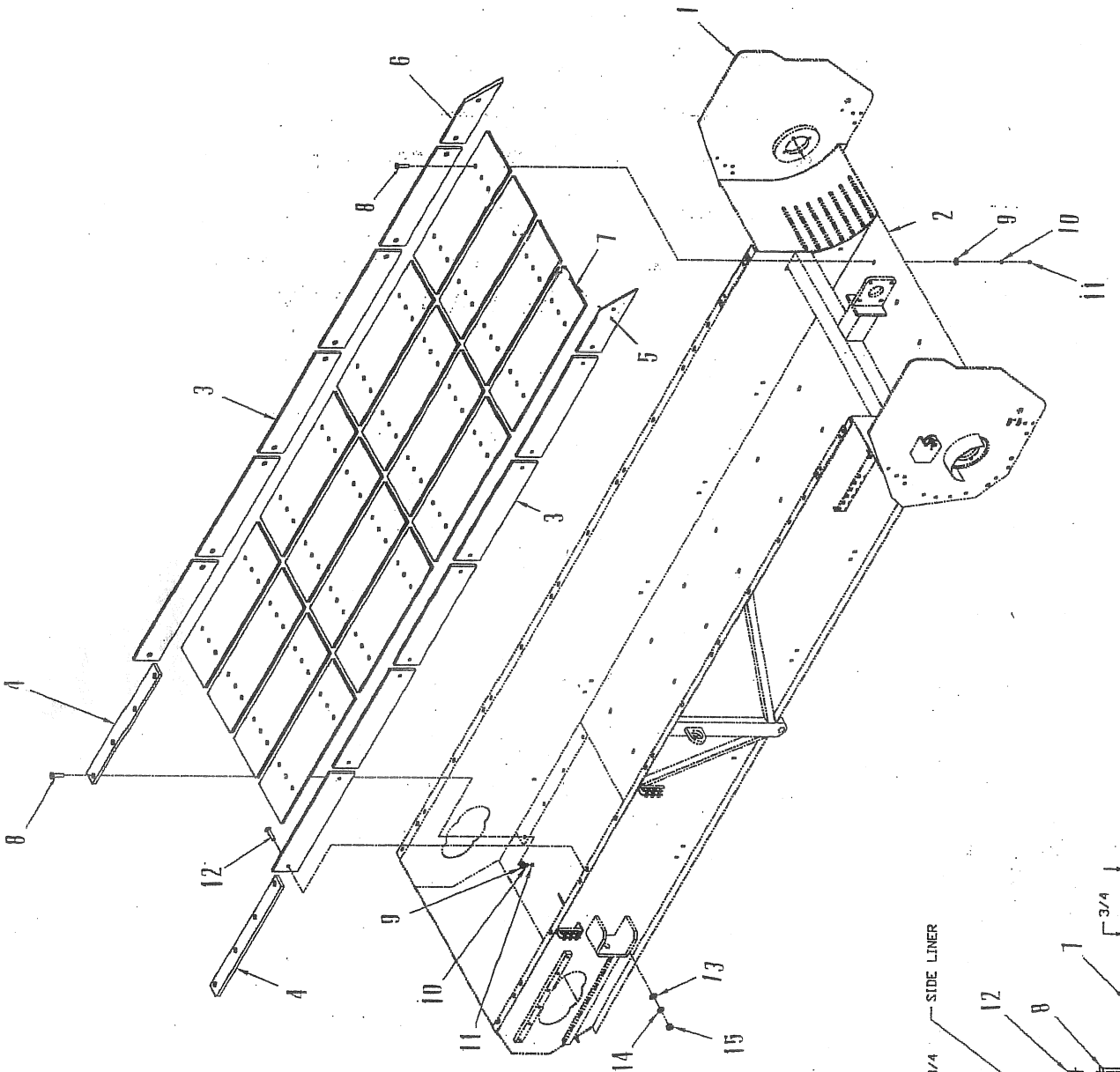


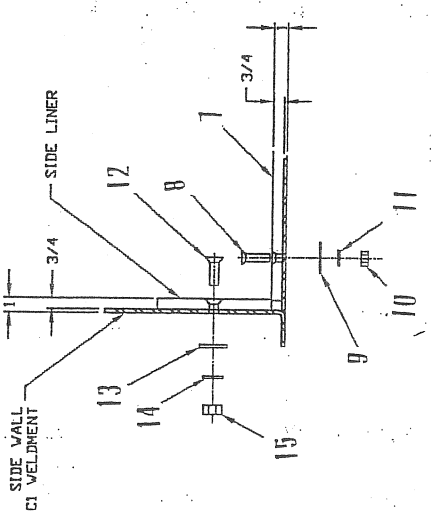
TOP COVER / FUME EXTRACTION SUB-ASSY.
(142696-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	139370-01	SIDE PLATE L.H.	
2	139369-01	SIDE PLATE R.H.	
3	133353-01	HYD. BAFFLE CROSSBAR	
4	122767-01	COVER PLATE MOVEABLE BAFFLE	1
5	133945-01	TOP COVER PLATE C-1 CONVEYOR	3
6	129060-01	FUME CONTROL DEFLECTOR	1
7	134331-03	WINCH MOUNT	1
8	142469-04	WINCH 600 lbs.	1
9	129227-03	VENT PIPE	1
10	83288	NUT, HEX 1/2 - 13 GD. 8	63
11	83781-04	WASHER, FLAT 1/2" STEEL	121
12	86164	BOLT, HEX 1/2 - 13 X 1 1/4"	38
13	83317	LOCKWASHER 1/2" SPRING STEEL GD. 8	63
14	84674	BOLT, HEX 1/2 - 13 X 2" PARTICAL THR'D.	5
15	134229-04	MOTOR, HYD. 1.03 CID (SUNDSTRAND)	1
16	134543-02	FAN SHROUD VENT EXT'N.	1
17	134551-04	WIRE ROPE CLAMP 1/8"	1
18	127709	CABLE 1/8" 7 X 9	72"
19	129135-01	C-1 BLOWER SHROUD	1
20	134686-01	BLOWER MOTOR MTG. PLATE (SUNDSTRAND)	1
21	134687-04	INSPECTION COVER	1
22	84332	BOLT, HEX 3/8 - 16 X 1" GD.8	7
23	133967-04	SPRING 1/2" OD X 10" LG. 1/16 WIRE	1
24	83056	LOCKWASHER 3/8"	13
25	83055	NUT, HEX 3/8 - 16 GD. 8	15
26	83757	WASHER, FLAT 3/8"	6
27	83924	BOLT, HEX 3/8 - 16 X 1 1/2" GD. 8	4
28	89988-04	BOLT, HEX 1/4 - 20 X 3/4" GD. 8	2
29	86127-04	BOLT, HEX 3/8 - 16 X 3/4" GD. 8	18
30	142600-04	CRIMP 1/8" WIRE ROPE	1
31			
32	143801-02	C-1 END PLATE	
33	144506-02	TOP END PLATE C-1 CONVEYOR	1
34	122765-02	TOP COVER PLATE C-1 CONVEYOR	1
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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C-1 WEAR PLATE SUB-ASSEMBLY
(142711-01)



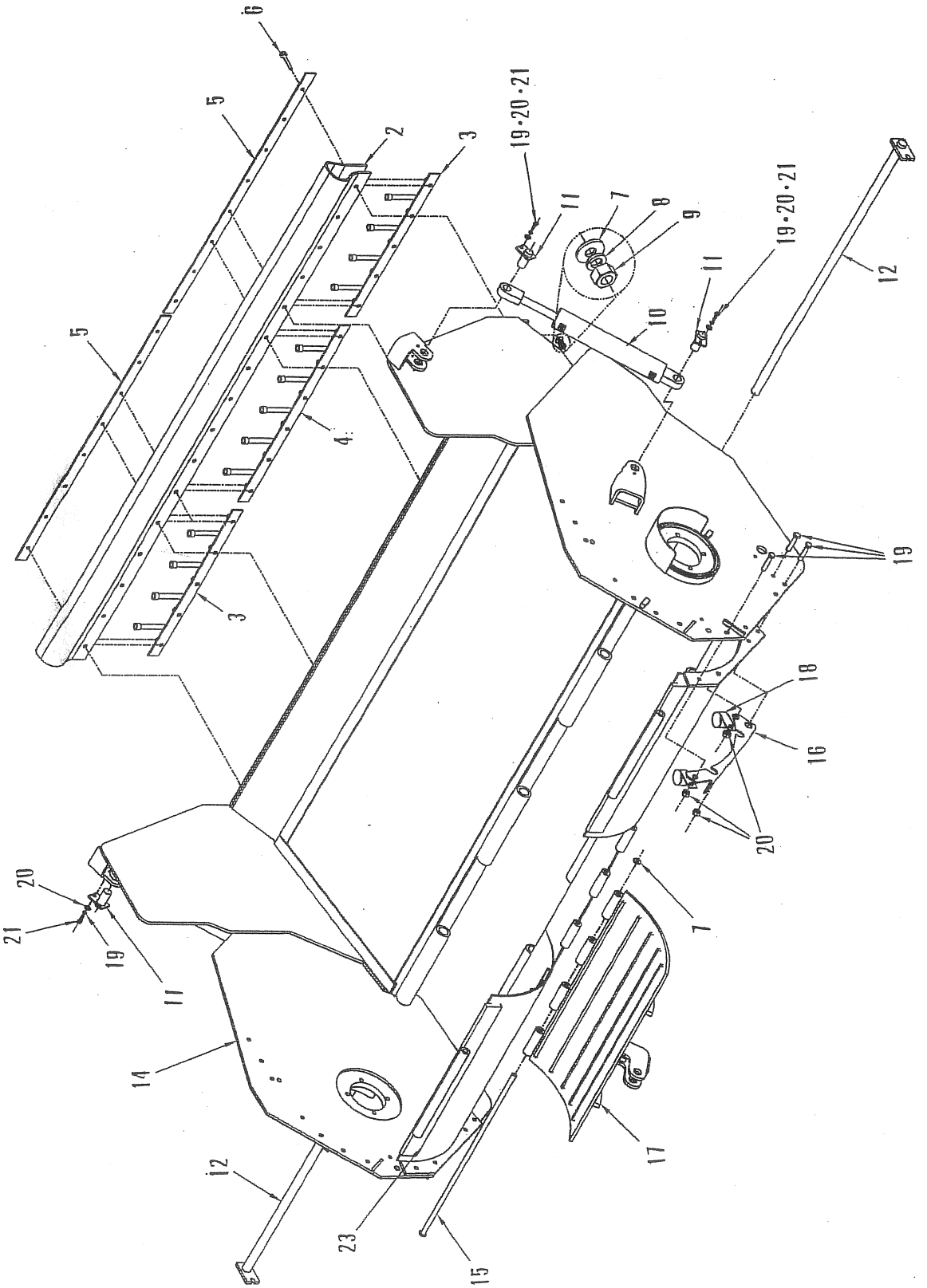


C-1 CONVEYOR WEAR PLATE SUB-ASSEMBLY
(142711-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1		C-1 CONVEYOR	
2			
3	137682-03	C-1 SIDE LINER	10
4	99056-03	C-1 WEAR PLATE	2
5	137683-03R	R.H. C-1 SIDE LINER	1
6	137683-03L	L.H. C-1 SIDE LINER	1
7	98961-03	CASTING - WEAR PLATE BLANK (C-1 BOTTOM)	16
8	29C18	BOLT, C'SUNK 1/2 - 13 X 1 3/4"	40
9	83781-04	FLAT WASHER 1/2" STEEL	40
10	83317	LOCKWASHER 1/2" SPRING STEEL	40
11	83288	NUT, HEX 1/2 - 13 GD. 8	40
12	91223-04	BOLT, C'SUNK 5/8 - 11 X 1 3/4"	24
13	85147	FLAT WASHER 5/8" STEEL	24
14	84717	LOCKWASHER 5/8" SPRING STEEL	24
15	85148	NUT, HEX 5/8 - 11 GD. 8	24
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DUMP HOPPER ASSEMBLY
(142862-01)

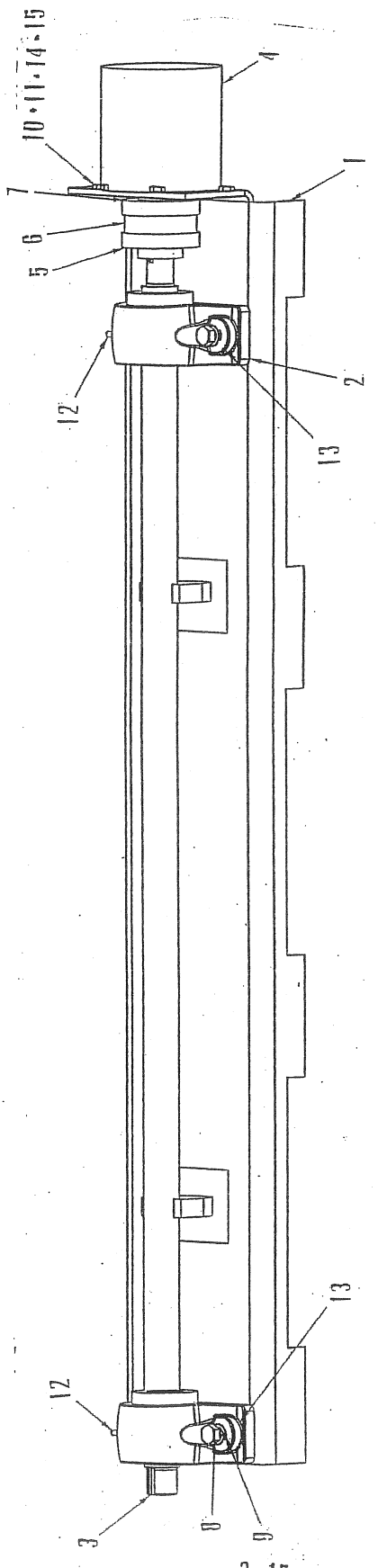


SB-2500 DUMP HOPPER
(142862-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	130590-01	ROLLER / HITCH DUMP HOPPER	1
2	99218-02	RUBBER FLASHING	1
3	143620-03	FLASHING SUPPORT	2
4			
5	96008-03	RUBBER RETAINING BAR	2
6	95929	BOLT, HEX 1/2 - 13 X 3"	16
7	83781-04	WASHER, FLAT 1/2" STEEL	17
8	83317	LOCKWASHER 1/2" SPRING STEEL GD.8	16
9	83288	NUT, HEX 1/2 - 13 GD. 8	16
10	83322-01	CYLINDER 3" BORE / 15 3/4" STROKE	2
11	129484-03	CYLINDER PIN	4
12	99183-03	DUMP HOPPER PIVOT PIN	
13	139408-01R	R.H. END PLATE	1
14	139408-01L	L.H. END PLATE	1
15	128297-03	PIVOT ROD - CLEAN-OUT DOOR	1
16	120806-02	HOSE PROTECTOR PLATE	1
17	128165-01	DUMP HOPPER LINER DOOR	1
18	16P29	CLAMP 1/2" HOSE	2
19	83056	LOCKWASHER 3/8" SPRING STEEL GD.8	2
20	83757	WASHER, FLAT 3/8" STEEL	2
21	96476	BOLT, HEX 3/8 - 16 X 1 1/4"	2
22	133304-01	VIBRATOR ASSY.	1
23	139400-01	C-1 HOPPER	1
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DUMP HOPPER VIBRATOR ASSY.
(133304-01)

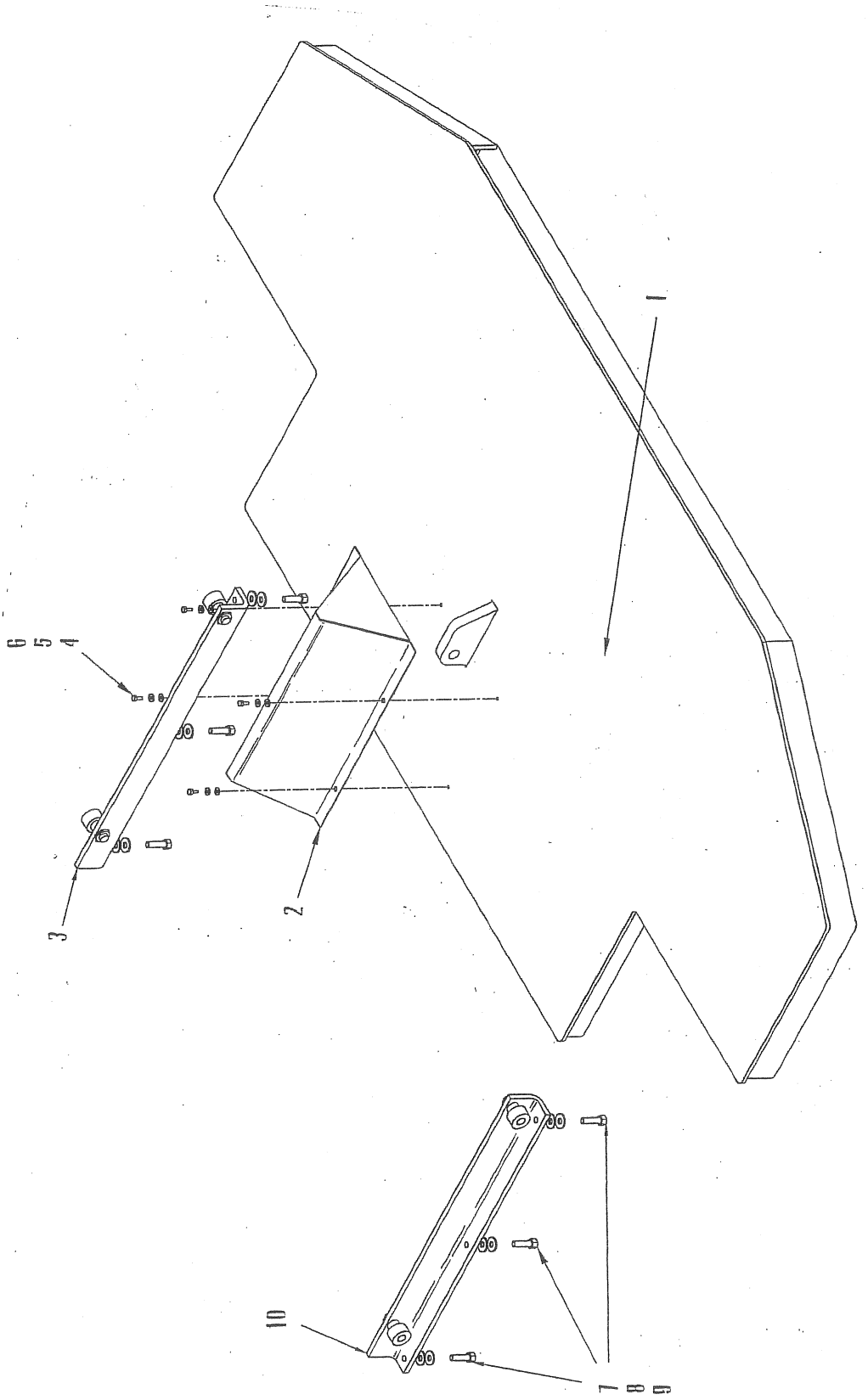


C-1 VIBRATOR ASSEMBLY
(133304-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	133303-01	VIBRATOR BASE 12 3/8 X 55 3/4"	
2	97617	BEARING - 1 1/2" NON-EXPANDABLE	2
3	140591-02	VIBRATOR SHAFT	1
4	99933	VIBRATOR MOTOR	1
5	131918-04	S FLEX COUPLING	1
6	131920-04	S FLEX COUPLING	1
7	131919-04	S FLEX COUPLING	1
8	93121	BOLT, HEX 1/2 - 13 X 2 1/2" GD. 8	4
9	83317	LOCKWASHER 1/2"	4
10	96476	BOLT, HEX 3/8 - 16 X 1 1/4" GD. 8	2
11	83757	FLAT WASHER 3/8" STEEL	4
12	89462-04	GREASE FITTING 1/8" NPT 90	2
13	10D63	WASHER 1/2"	4
14	83055	NUT, HEX 3/8 - 16 GD. 8	4
15	83056	LOCKWASHER 3/8"	4
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C-1 BAFFLE SUB-ASSEMBLY
(141581-01)

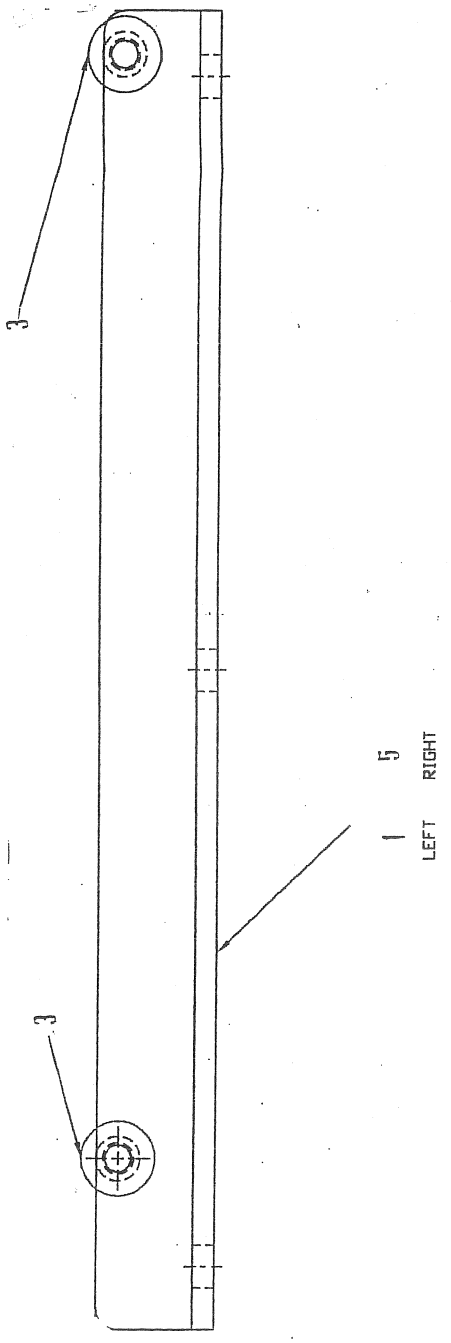


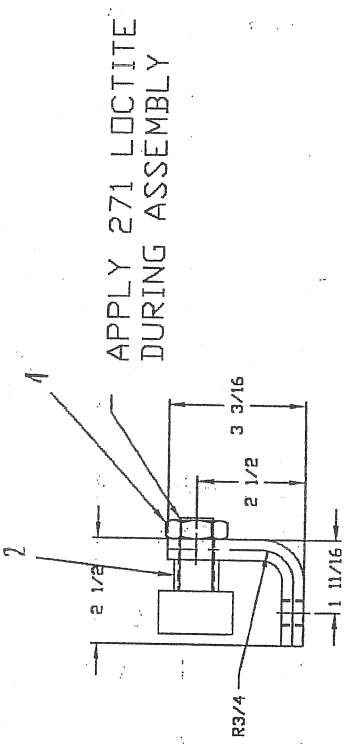
C-1 BAFFLE SUB-ASSEMBLY
(141581-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	141582-01	BAFFLE	1
2	141583-01	HYDRAULIC CYLINDER COVER	1
3	141584-01L	TROLLEY SUB-ASSY.	1
4	89988-04	BOLT, C'SUNK 1/4 - 20 X 3/4" GD. 8 Z	4
5	83065	LOCKWASHER 1/4" Z	4
6	84444	FLAT WASHER 1/4" Z	4
7	86164	BOLT, C'SUNK 1/2 - 13 X 1 1/4" GD. 8 Z	6
8	83317	LOCKWASHER 1/2" Z	6
9	83781-04	FLAT WASHER 1/2" Z	6
10	141584-01R	TROLLEY SUB-ASSY.	1
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TROLLEY SUB-ASSEMBLY
(141584-01 L/R)



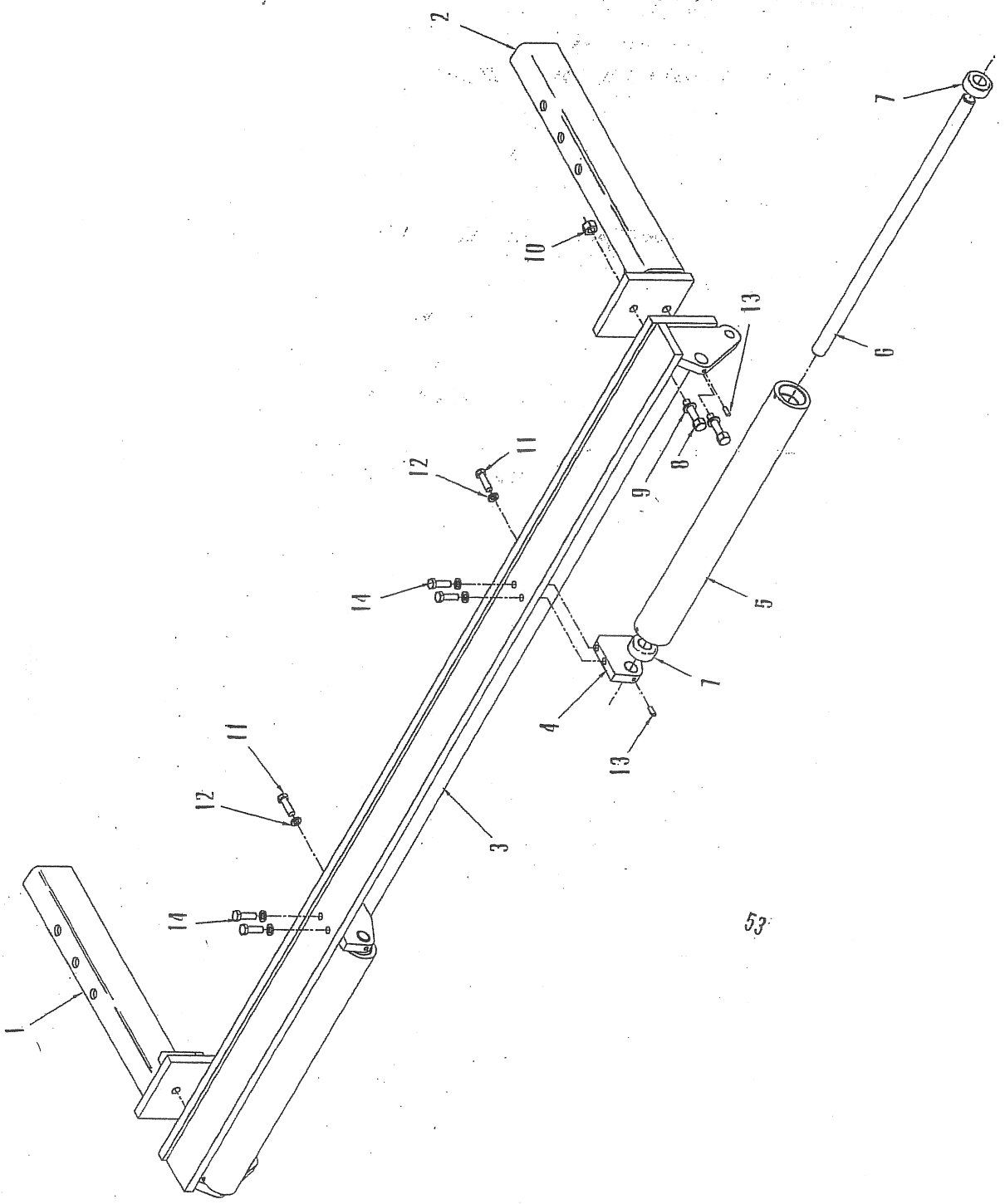


TROLLEY SUB-ASSEMBLY
(141584-01 L / R)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	OOO10	PLATE - 1/2" X 4 7/8" X 31" (LEFT ASSY.)	1
2	OO659	PIPE - 3/4" DIA. SCH. 40 BLK. X 1/2"	2
3	137544-04	CAM ROLLER - McGILL (CF-1 3/4 - S)	2
4	97169	NUT, JAM 3/4 - 16	2
5	OOO10	PLATE - 1/2" X 4 7/8" X 31" (RIGHT ASSY.)	1
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ADJ. PUSH ROLLER TROLLEY FRAME SUB-ASSY.
(142431-01)

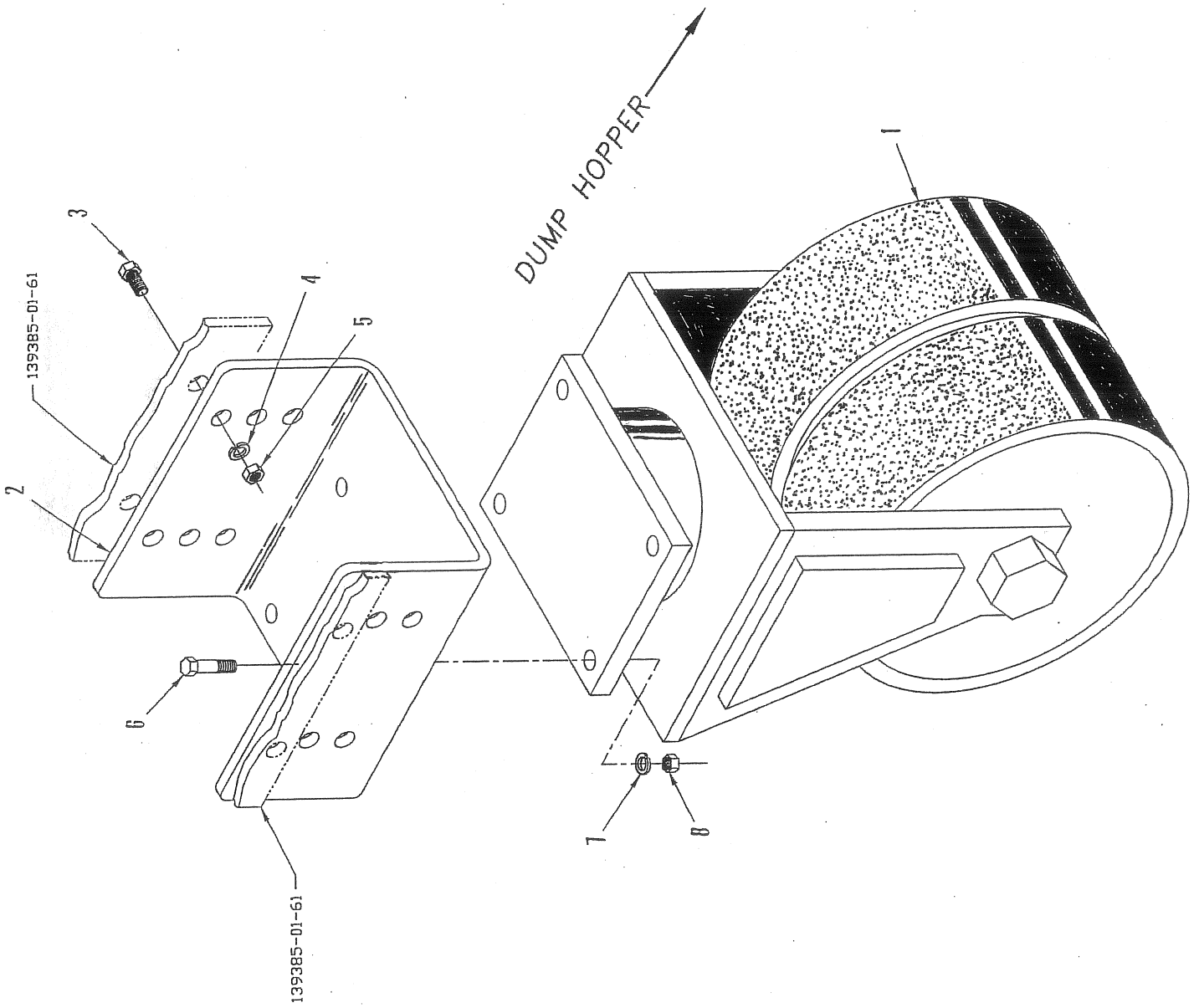


ADJ. PUSH ROLLER TROLLEY FRAME SUB-ASSEMBLY
(142431-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	142428-01	ADJ. PUSH ROLLER FRAME LEG (L.H.)	1
2	142429-01	ADJ. PUSH ROLLER FRAME LEG (R.H.)	1
3	142430-01	CROSSMEMBER - TROLLEY FRAME	1
4	138071-03	PUSH ROLLER LUG	2
5	137441-02	34" PUSH ROLLER	2
6	137442-03	PUSH ROLLER SHAFT	2
7	84734-04	BEARING - SEALMASTER 1 7/16" (SL23)	4
8	89151	BOLT, HEX 3/4 - 10 X 3"	4
9	83752-04	LOCKWASHER 3/4" SPRING STEEL	4
10	84071-04	NUT, HEX 3/4" ASTM 563 - A GD. 8	4
11	93122	BOLT, HEX 5/8 - 11 X 2 1/4"	2
12	84717	LOCKWASHER 5/8" SPRING STEEL	2
13	84735	SET SCREW 3/8 - 16 X 1/2"	4
14	121835	BOLT, C'SUNK 5/8 - 11 X 2"	4
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CASTER ASSEMBLY
(142718-02)

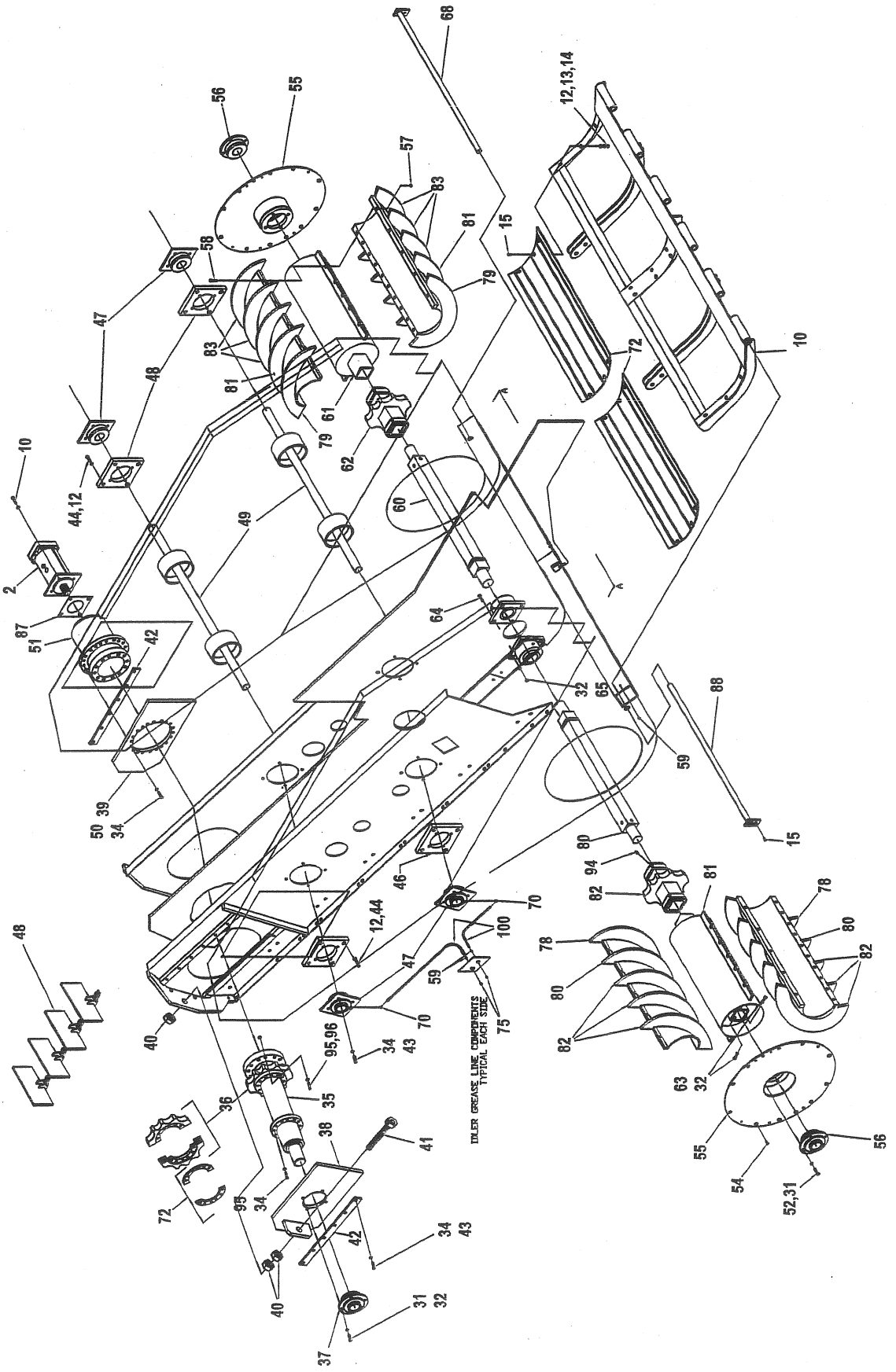


CASTER ASSY.
(142718-02)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	132001-04	SWIVEL CASTER W/ IRON WHEEL	1
2	142499-02	ADJ. CASTER MOUNTING PLATE	1
3	93071	BOLT, HEX 3/4 - 10 X 2" LG.	4
4	83752-04	LOCKWASHER 3/4" SPRING STEEL	4
5	84071-04	NUT, HEX 3/4 - 10 ASTM 563-A GD. 8	4
6	89143	BOLT, HEX 5/8 - 11 UNC X 1 3/4" GD.8	4
7	84717	LOCKWASHER 5/8" SPRING STEEL	4
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SB-2500B C-2 CONVEYOR ASSEMBLY
(145313-01)



SB-2500B C-2 CONVEYOR
(145313-01)

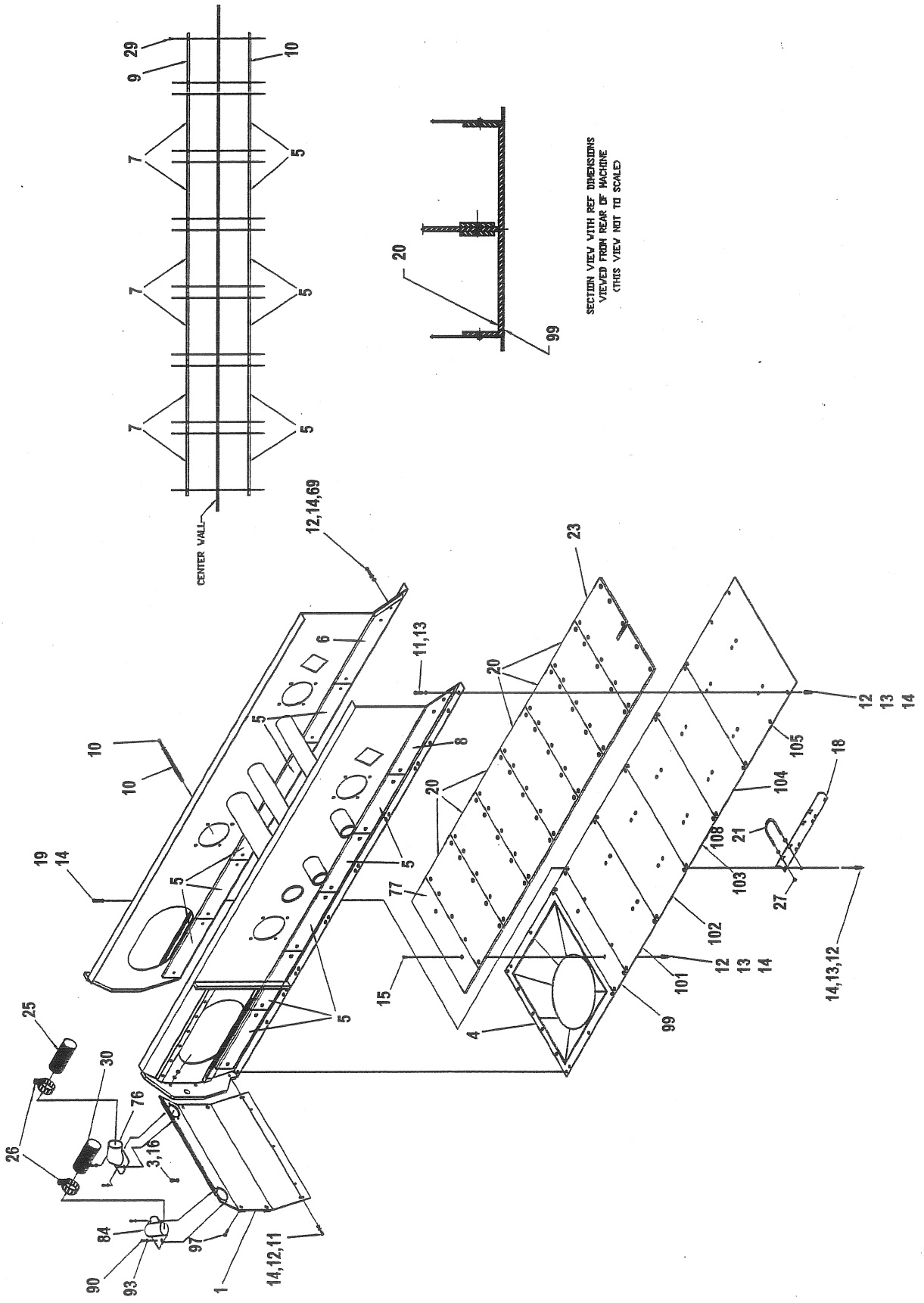
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	140442-01	C2 ACCESS DOOR WELDMENT	1
2	99889	C-2 HYDRAULIC MOTOR	
3	96476	HEX BOLT - 3/8 - 16 X 1 1/4	7
4	146681-01	C2 TRANSITION WELDMENT	1
5	137644-03	C2 CONVEYOR SIDE WEAR PLATE	16
6	137640-03	C2 CONVEYOR SIDE WEAR PLATE	1
7	137643-03	C2 CONVEYOR SIDE WEAR PLATE	6
8	137639-03	C2 CONVEYOR SIDE WEAR PLATE	1
9	137642-03	C2 CONVEYOR SIDE WEAR PLATE	1
10	137641-03	C2 CONVEYOR SIDE WEAR PLATE	1
11	93144	HEX BOLT - 1/2 - 13 X 1 1/2	36
12	83317	LOCK WASHER - 1/2 SPRING WASHER	100
13	83288	HEX NUT - 1/2 - 13 GD. 8	80
14	83781-04	FLAT WASHER - 1/2 STEEL	56
15	29C18	CSK BOLT - 1/2 - 13 X 1 3/4	46
16	83056	LOCK WASHER - 3/8 SPRING STEEL	7
17	120871-03	HOSE PROTECTOR BRACKET	1
18	120872-03	HOSE PROTECTOR PLATE	1
19	85941-04	HEX BOLT - 1/2 - 13 X 2	4
20	BN-906-7143	LINER NI-HARD 3/4 THK.	6
21	138077-03	HOSE GUARD WELDMENT	1
22	139665-04	SPROCKET COVER PLATE	2
23	BN-906-7143A	C2 BOTTOM FRONT NI-HARD	1
24	OO877	BOLT, HEX 3/8 - 16 X 1 3/4"	2
25	125232-04	HOSE - 4" FLEX 2 PLY FIBERGLASS	180
26	129000	HOSE CLAMP - 4 1/2 IDEAL	2
27	83055	NUT, HEX 3/8 - 16	6
28	143510-04	FLOW GATE CYL. BRACE	2
29	95847	BOLT, C'SK. 1/2 - 13 X 2"	14
30	125232-04	HOSE - 4" FLEX 2 PLY FIBERGLASS	1
31	93212	SCREW, SOCKET HD. CAP 3/4 - 10 X 2"	16
32	83752-04	LOCK WASHER - 3/4 SPRING STEEL	60
33	89252	HEX BOLT - 5/8 - 11 X 2 1/2	24
34	84717	LOCK WASHER - 5/8 SPRING STEEL	72
35	138589-01	C2 CONVEYOR HEAD SHAFT WELDMENT	1
36	139350-02	10 TOOTH SPROCKET (MACHINED)	2
37	97350-04	BEARING FLANGE	1
38	135859-01	RIGHT C2 TAKE-UP WELDMENT	1
39	135857-01	LEFT C2 TAKE-UP WELDMENT	1
40	83031	HEX NUT - 1 1/2 GD. 8	6

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.

PN# 120489 ASSY. 145313-01 REV.B 11/20/01

ROADTEC SB-2500B S/N. 582

SB-2500B C-2 CONVEYOR ASSEMBLY
(145313-01)



SB-2500B C-2 CONVEYOR
(145313-01)

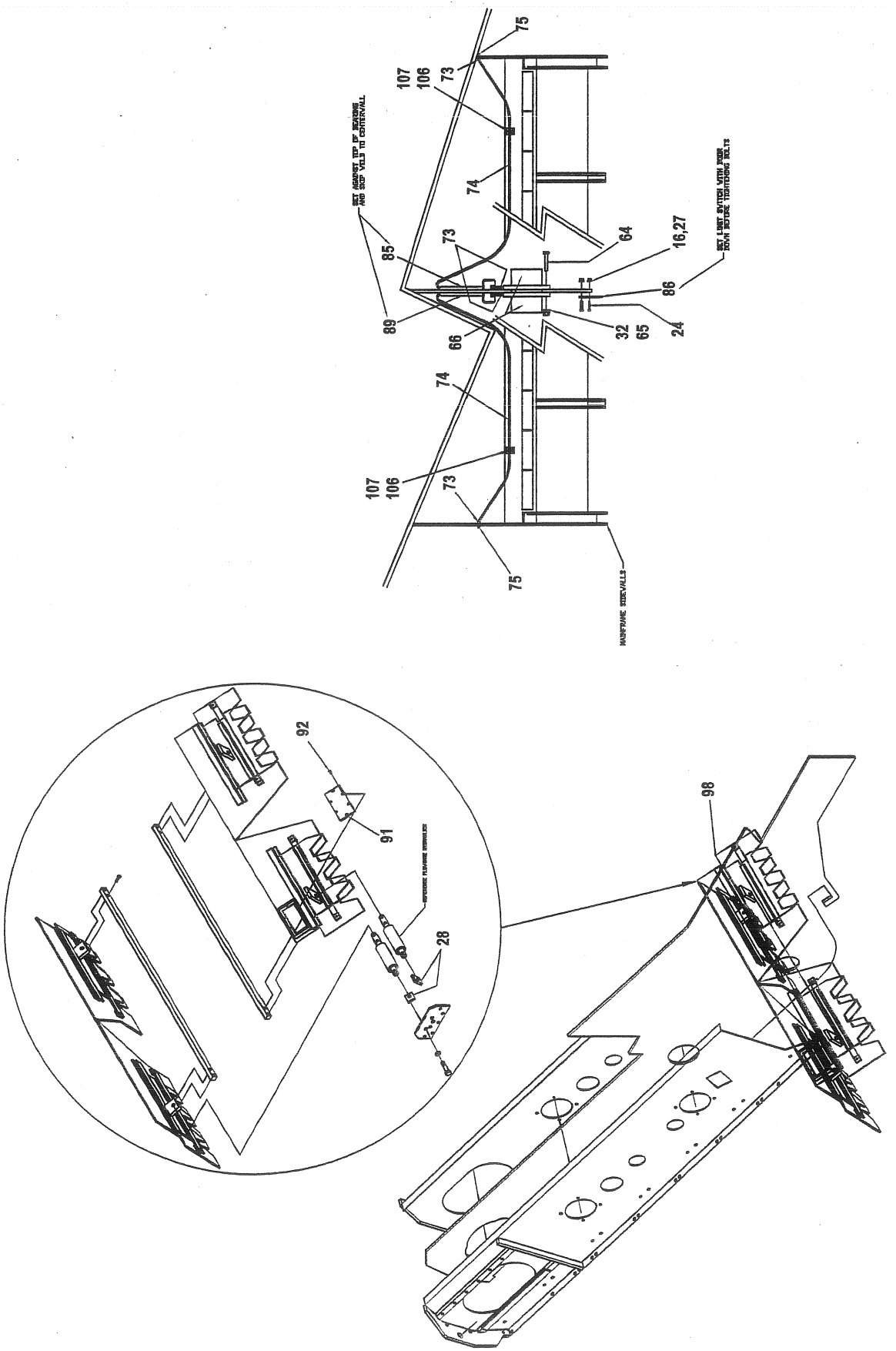
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	99060-04	TAKE UP SCREW	2
42	122419-03	UPPER KEEPER BAR	2
43	84778	HEX BOLT - 5/8 - 11 X 1 1/2	28
44	89142	HEX BOLT - 1/2 - 13 X 1 3/4	8
45	83317-04	LOCK WASHER - 1/2 SPRING STEEL	28
46	99364-03	BEARING PLATE	2
47	88993-04	BEARING - 4 BOLT FLANGE	4
48	138906-02	C2 CONVEYOR CHAIN WELDMENT	1
49	99363-01	C2 IDLER SHAFT WELDMENT	2
50	93122	HEX BOLT - 5/8 - 11 X 2 1/4	20
51	141780-01	C2 DRIVE SPINDLE OUTPUT ASSEMBLY	1
52	26B48	WASHER - 3/4	12
53	95930	HEX BOLT - 3/4 - 10 X 2 3/4	4
54	128462	CSK BOLT - 1/2 - 13 X 1	24
55	120988-01	BEARING RETAINER WELDMENT	2
56	29M98	BEARING - FLANGED 3" 4 BOLT	2
57	88164	LOCK NUT - 3/4 - 10 GD. 8	30
58	95834	SOCKET SCREW - 3/4 - 10 X 4	30
59	83742-04	FITTING - 1/8 NPT X 4 JIC ST CONN.	4
60	130507-01	C2 CONVEYOR FOOTSHAFT WELDMENT	2
61	122594-01	AUGER MOUNTING TUBE WELDMENT	2
62	140837-01	10 TOOTH SPROCKET WELDMENT	2
63	123379	HEX BOLT - 3/4 - 16 X 1 3/4	2
64	12K35	HEX BOLT - 3/4 - 10 X 4	4
65	84071-04	HEX NUT - 3/4 - 10 GD. 8	8
66	29M97	BEARING - 3 1/2 PILOTED	2
67	139741-02	1/2 - 13 UNC CENTER GRIP LOCK NUT	24
68	99192-02	GATE PIN WELDMENT	2
69	86164	BOLT - HEX - 1/2 - 13 X 1 1/4 GD. 8	26
70	84560-04	FITTING - 4 JIC X 1/8 NPT X 4 JIC 90	2
71	123051-01	C2 HOPPER CLEAN OUT DOOR WELDMENT	1
72	123196-02	C2 HOPPER DOOR LINER WELDMENT	2
73	99509	FITTING - 4 JIC X 1/8 NPT X 45 DEG.	4
74	134178-04	GREASE LINE - 85" LG. W/ 4 JIC SW. BOTH END	2
75	83416	GREASE FITTING - 1/8 NPT	6
76	140469-02	LT. FXS EXCH. ELBOW	1
77	145207-04	C-2 WEAR PLATE (REAR)	1
78	95997-01	FLIGHT - 12 1/2 PITCH AUGER R.H.	2
79	95998	FLIGHT - 12 1/2 PITCH AUGER L.H.	2
80	96003-01	FLIGHT - 8 3/4 PITCH AUGER R.H.	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.

PN# 120489 ASSY. 145313-01 REV.B 11/20/01

ROADTEC SB-2500B S/N. 582

SB-2500B C-2 CONVEYOR ASSEMBLY
(145313-01)

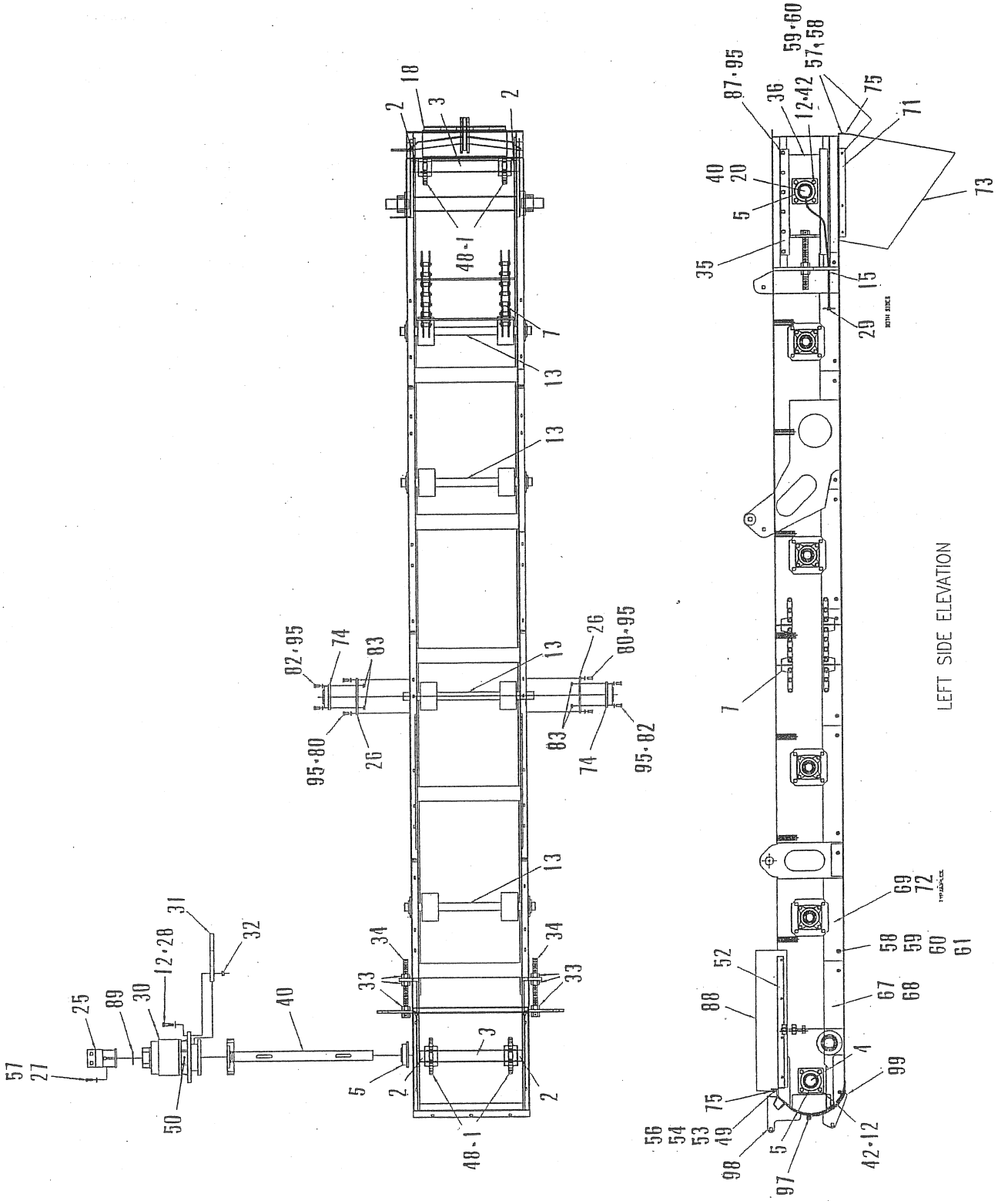


SB-2500B C-3 CONVEYOR
(145313-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
81	96004	FLIGHT - 8 3/4 PITCH AUGER L.H.	2
82	96005-01	FLIGHT - 5 3/8 PITCH AUGER R.H.	6
83	96006	FLIGHT - 5 3/8 PITCH AUGER L.H.	6
84	140470-02	RT. FXS EXCH. ELBOW	1
85	122336	HEX BOLT - 3/4 - 16 X 3	12
86	137935-04	LIMIT SWITCH BRACKET	1
87	28Y06C4	KIT - OUTSIDE GASKET FOR C-2 MOTOR	1
88	99502-02	C2 HOPPER GREASE LINE SHIELD WELDMENT	1
89	99395-02	GREASE LINE SHIELD WELDMENT	1
90	89987-04	BOLT, WING 3/8 - 16 X 1" GD. 8	
91	123413-03	COVER	1
92	92818	CSK. BOLT - 3/8 - 16 X 3/4	6
93	83757	FLAT WASHER 3/8" GD. 8 Z	1
94	125532	SET SCREW - 3/4 - 10 X 1 1/2"	4
95	138651-04	5/8 DIA. X 2 1/2 SHOULDER BOLT	24
96	10D63	1/2 HARDEN FLAT WASHER	24
97	93723	BOLT, HEX 3/4 - 10 X 2 1/2"	4
98	140182-01	FLOWGATE ASSY.	
99	138258-02	C-2 RR. BOTTOM END PLATE	1
100	144367-04	GREASE LINE - 36" W/ 4 JIC SW	4
101	138259-02	C2 REAR BOTTOM PLATE	1
102	138260-02	C2 REAR BOTTOM CENTER PLATE	1
103	138261-02	C2 FRONT BOTTOM CENTER PLATE	1
104	138262-02	C2 FRONT BOTTOM PLATE	1
105	138263-02	C2 FRONT BOTTOM END PLATE	1
106	80539-04	CLAMP - 3/8" CONDUIT	2
107	83114	BOLT, HEX 1/4 - 20 X 1/2" GD. 8	2
108	80132-04	HOSE - 3/8" FUEL / WATER X 13"	1
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.

SB-2500B C-3 CONVEYOR ASSEMBLY
(145971-01)

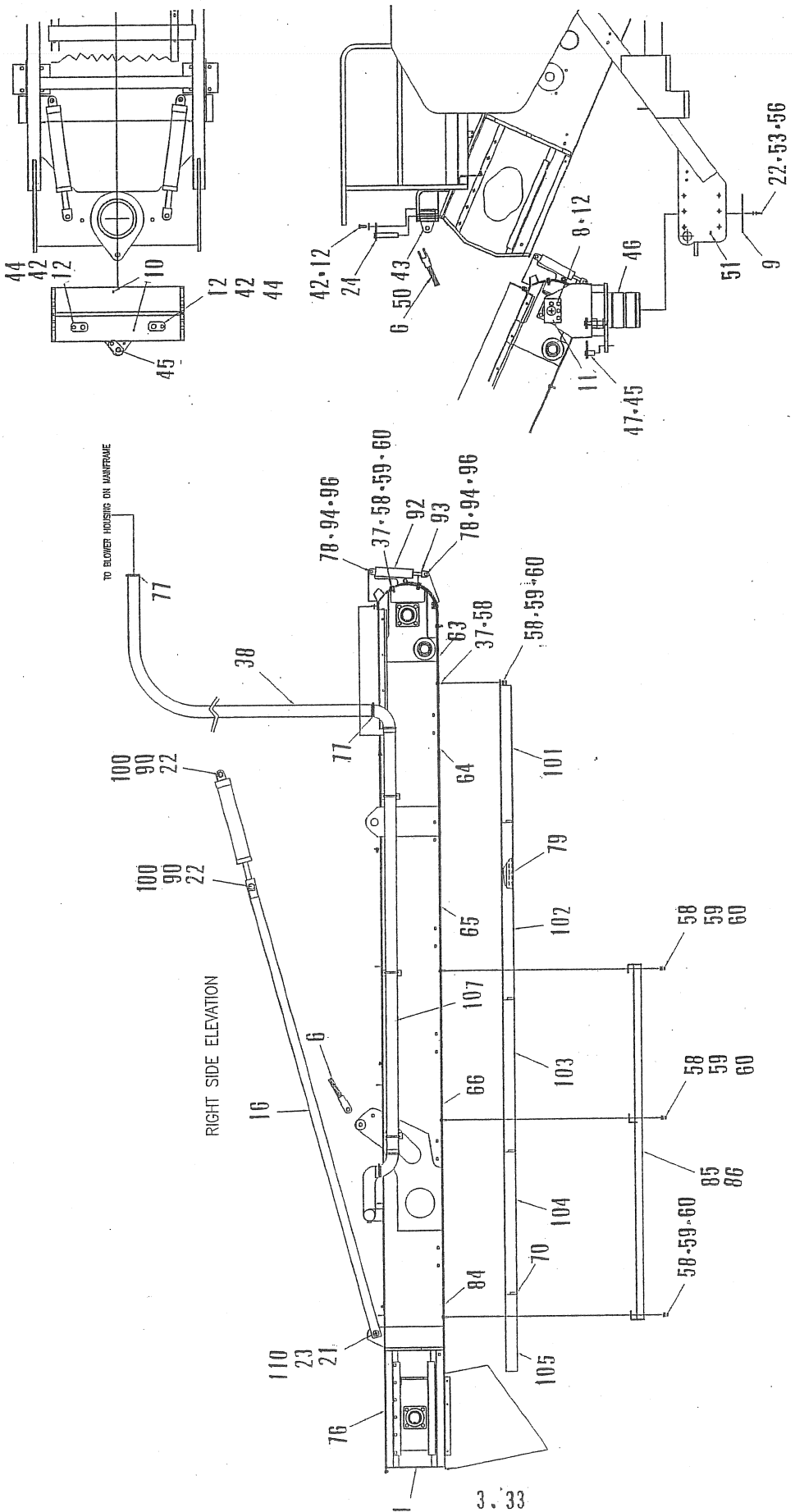


C-3 CONVEYOR ASSEMBLY
(145971-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	144482-02	10 TOOTH SPROCKET	4
2	10385	3 1/2" RD. TUBE X 3/16" WALL X 1 1/2" LG.	4
3	10385	3 1/2" RD. TUBE X 3/16" WALL X 20 9/16" LG.	2
4	99784-03	TAIL SHAFT	1
5	29G14	FLANGE BEARING	4
6	94375-04	SAFETY CABLE W/ PIN & KEEPER PINS	2
7	138907-02	C-3 CONVEYOR CHAIN ASS'Y	1
8	93723	3/4 - 10 X 2 1/2" LG. HEX HD. BOLT GD. 8	8
9	123143-03	COVER PLATE	1
10	89929-04	GREASE FITTING 1/4 - 28 90	2
11	121890-02	C3 LOCK IN PLATE	2
12	83752-04	3/4" LOCK WASHER	40
13	145501-02	C-3 IDLER ASSEMBLY	4
14	86164	BOLT, HEX 1/2 - 13 X 1 1/4"	16
15	144367-04	GREASE LINE - 1/4" X 36" LG.	2
16	138960-01	C-3 CONVEYOR LIFT BAR WELDMENT	1
17	89142	1/2 - 13 X 1 3/4" HEX HD. BOLT	24
18	83781-04	1/2" FLAT WASHER	26
19	144993-04	LYNCH PIN - 3/16"	2
20	99509	FITTING - 1/8 NPT X 4 JIC 45	2
21	27D66	3/16" X 2" COTTER PIN	2
22	84332	3/8"- 16 X 1" HEX HD. BOLT	51
23	129582-04	1" X 2 3/8" PIN	2
24	99181-03	C-3 CONVEYOR LIFT PIN	1
25	91681-04	C-3 DRIVE MOTOR	REF.
26	145503-03	C-3 IDLER BEARING MOUNTING PLATE	8
27	95936	1/2" HARD WASHER	4
28	95930	3/4 - 10 X 2 3/4 HEX HD. BOLT	5
29	90565	GREASE FITTING - 1/4" NPT ST	2
30	145338-01	GEAR BOX - C1 / C3 DRIVE	1
31	99778-03	TORQUE ARM	1
32	95938	3/4" - 10 JAM NUT	5
33	83031	1 1/2" - 16 HEX NUT	6
34	99060-04	1 1/2 - 16 X 21" TAKE-UP BOLT	2
35	122419-03	KEEPER BAR	2
36	122406-01	TAKE-UP SUPPORT	2
37	89142	HEX BOLT - 1/2 - 13 X 1 3/4" LG. GD. 8	40
38	125232-04	4" FLEX-HOSE X 240" LG.	1
39	133348	3/4 - 16 X 3 1/2" HEX HD. BOLT	8
40	99779-01	HEAD SHAFT	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	145970-01	C-3 CONVEYOR WELDMENT	1
42	93071	3/4 - 10 X 2" HEX HD. BOLT	17
43	140695-03	CONVEYOR LINK	1
44	99197-03	C-3 SWING CYLINDER PIN	2
45	122102-03	C-3 SHIPPING PIN	1
46	138644-01	C-3 CONVEYOR PIVOT YOKE	1
47	26K68	BOLT, HEX 3/4 - 10 X 1" GD. 8	1
48	OO965	KEY STOCK 3/4 X 3/4 X 4 LG.	4
49	83924	HEX BOLT - 3/8 - 16 X 1 1/2 LG.	61
50	83416	1/8" NPT GREASE FITTING	1
51	83184-04	GREASE FITTING - 1/4 - 28 ST.	1
52	122124-04	CLAMP BAR - SIDE	2
53	83056	3/8" LOCK WASHER	65
54	83055	NUT, HEX 3/8 - 16 GD. 8	65
55	129097	WING NUT 3/8 - 16	2
56	83757	3/8" FLAT WASHER	127
57	93144	1/2 - 13 X 1 1/2" HEX HD. BOLT	9
58	83781-04	1/2" FLAT WASHER	127
59	83317	1/2" LOCK WASHER	99
60	83288	1/2" - 13 HEX NUT	75
61	26C72	1/2 - 13 X 1 1/2 C'SUNK BOLT	28
62	130086-C1	AUSCO BRAKE GASKET	1
63	99773-03	END BOTTOM PLATE	1
64	122683-02	BOTTOM PLATE	1
65	122682-01	CENTER BOTTOM DOOR	2
66			
67	137679-03R	C3 SIDE LINER - RH	1
68	137679-03L	C3 SIDE LINER - LH	1
69	137678-03R	C3 SIDE LINER PLATE - RIGHT	12
70	133842	SCREW, SELF-TAPPING 1/4" X 1/2"	8
71	99788-04	BAR CLAMP	2
72	92235	LOCK NUT 3/8 - 16	2
73	125557-02	FLASHING - RUBBER	1
74	88993-04	BEARING	
75	99789-04	BAR CLAMP	2
76	145562-01	C-3 TOP COVER	1
77	129000	HOSE CLAMP - 4 1/2" (IDEAL # 646)	2
78	84119-04	FLAT WASHER 1"	4
79	133941-04	INSULT. - FIBERBOARD 3 X 48 X 96	4
80	95301	BOLT, HEX 5/8 - 11 X 1 1/4" GD. 8	32

SB-2500B C-3 CONVEYOR ASSEMBLY
(145971-01)

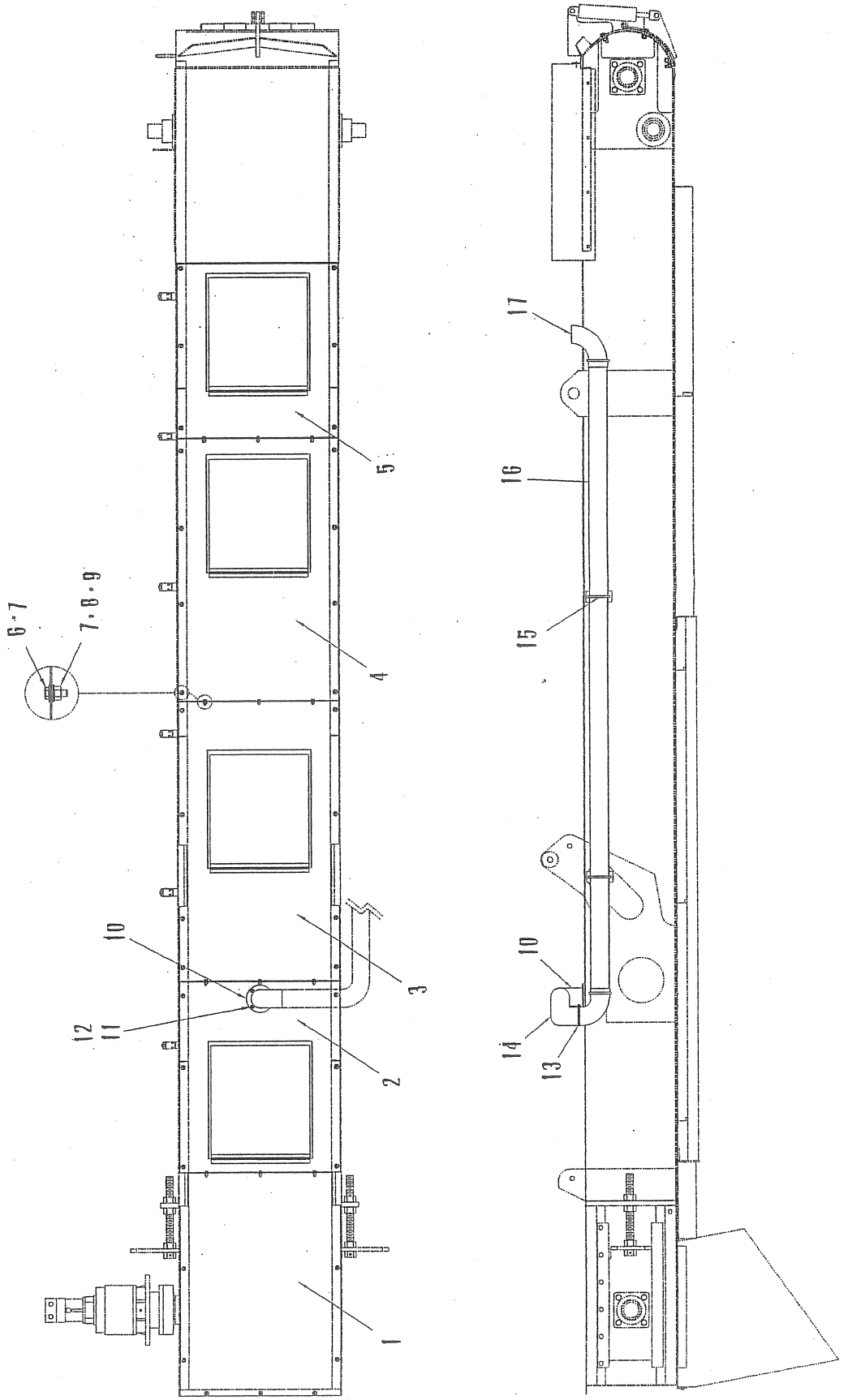


C-3 CONVEYOR ASSEMBLY
(145791-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
81	10428	PIN - SPLIT 3/8 - 3 1/4	6
82	96041	BOLT, HEX 5/8 - 11 X 2"	32
83	85148	NUT, HEX 5/8 - 11	32
84	123769-02	BOTTOM DOOR WLEDMENT	1
85	141290-01L	C3 GUARD BAR (LEFT)	1
86	141290-01R	C3 GUARD BAR (RIGHT)	1
87	84778	BOLT, HEX 5/8 - 11 X 1 1/2"	12
88	125193-01	C3 CONVEYOR FLASHING RUBBER	1
89	97489	KIT - O-RING 70 D	1
90	11K79	CLAMP - MOUNTING FOR 2 DIA. HOSE	12
91			
92	84473-02	CYLINDER - CLEAN OUT DOOR	
93	83439-04	ROD END FEMALE - 1 RH	
94	129587-04	RPIN - C3 CYLINDER	2
95	84717	LOCKWASHER 5/8" SPRING STEEL	76
96	70741	PIN - COTTER 3/16 X 2 1/2	2
97	OO53O	RD. BAR - 3/4 DIA. X 25 1/4 LG.	1
98	128909-03	END COVER PLATE WELDMENT	1
99	128833-01	C3 TRAP DOOR WELDMENT	1
100	142106-04	MODIFIED BOLT	2
101	131774-01	INSULATION COVER	1
102	131775-01	INSULATION COVER	1
103	131776-01	INSULATION COVER	1
104	131777-01	INSULATION COVER	1
105	131778-01	INSULATION COVER	1
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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C-3 TOP COVER W/ FUME-X ASSEMBLY
(145562-01)

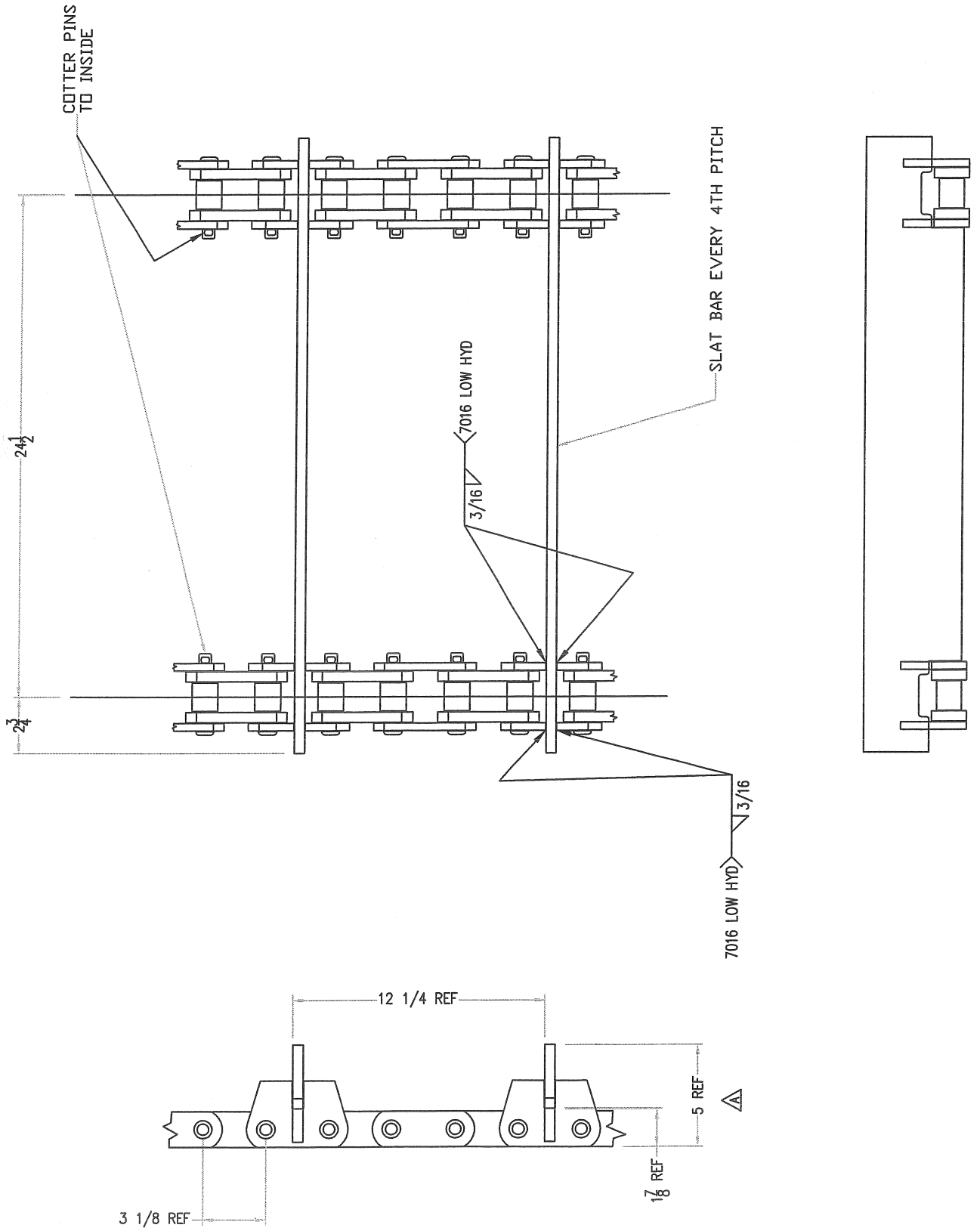


C-3 TOP COVER W/ FUME-X
(145562-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	145557-03	TOP COVER (DISCHARGE END)	1
2	145558-03	TOP COVER	1
3	145559-03	TOP COVER (MIDDLE)	1
4	145560-03	TOP COVER	1
5	145561-03	TOP COVER (RECEIVING END)	1
6	84332	BOLT, HEX 3/8 - 16 X 1" GD. 8	40
7	83757	FLAT WASHER 3/8" STEEL	80
8	83056	LOCKWASHER 3/8" SPRING STEEL	40
9	83055	NUT, HEX 3/8 - 11 GD. 8	40
10	129111-02	FLANGED ELBOW (FOR FUME-X)	1
11	83065	LOCKWASHER 1/4" SPRING STEEL	4
12	89772	NUT, HEX 1/4 - 20 GD. 8	4
13	129000	HOSE CLAMP 4 1/2" (IDEAL #646)	2
14	125232-04	FLEX-HOSE 4" - 2 PLY X 32" LG.	1
15	93129	CLAMP, MUFFLER 4"	4
16	138462-04	FUME-X TUBE 12' LG.	1
17	29H38	ELBOW - 4" ALUMINIZED 90	2
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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C-3 CONVEYOR CHAIN ASSEMBLY
(138907-02)



C-3 CONVEYOR CHAIN ASSEMBLY
(138907-02)

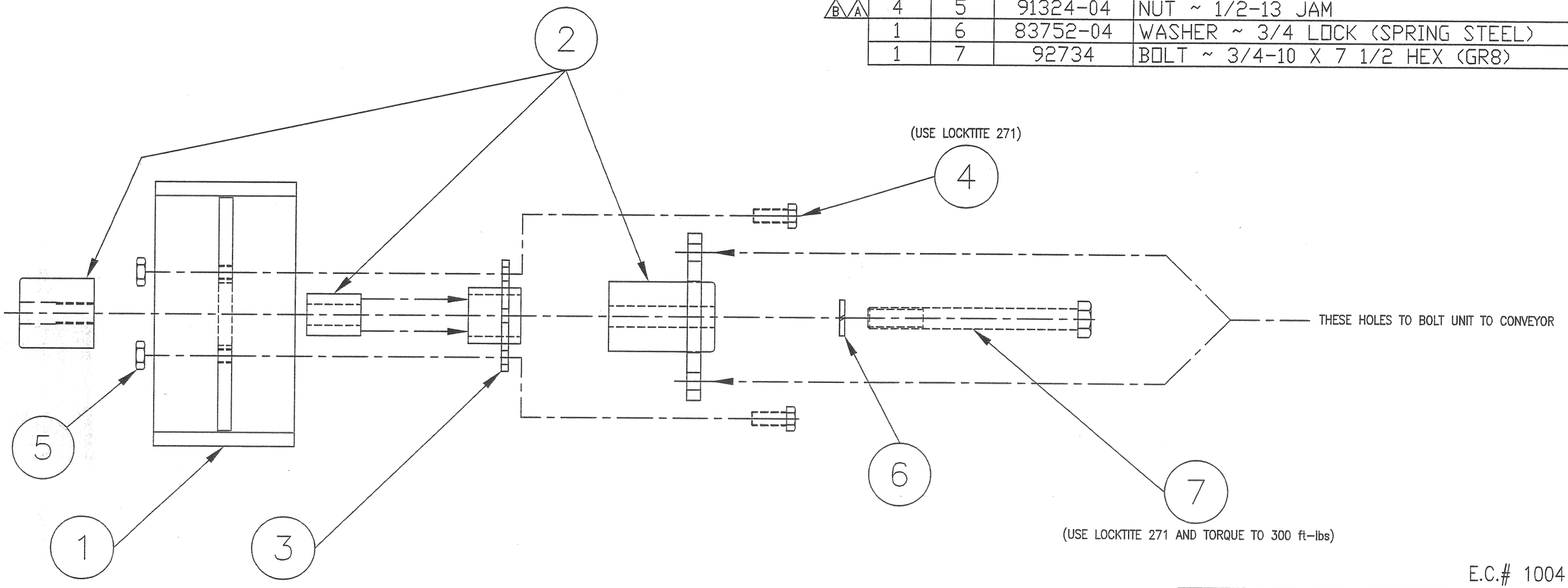
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	138910-03	SLAT SB-1500 / 2500 C-3	46
2	138887-03	SLAT CHAIN SET SB-2500 C-3	1
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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PN# 120489 ASSY. 138907-02 REV.A 1/9/02

ROADTEC SB-2500B S/N.

QTY	ITEM	IDENT	DESCRIPTION
1	1	143265-03	IDLER ROLLER WELDMENT
1	2	143266-03	3 PC. IDLER PIN
C 1	3	145152-03	WEAR-HARD BEARING (VENDOR)
B A 4	4	84691	SCREW ~ 1/2 X 1 1/4 SOC. HD. GR8
B A 4	5	91324-04	NUT ~ 1/2-13 JAM
1	6	83752-04	WASHER ~ 3/4 LOCK (SPRING STEEL)
1	7	92734	BOLT ~ 3/4-10 X 7 1/2 HEX (GR8)



E.C.# 1004

REQ'D	USED ON	FAB. CODE	EFF. S/N
08	SB-2500B	602	520
08	SP-275	602	101

1	3	143267-03	WEAR-HARD BEARING (VENDOR)		
A		02/17/00	ITEM 5 WAS 83317(1/2 LOCK WASHER) QTY X 4		
			ITEM 4 WAS 86164(1/2X1 1/4 BOLT) QTY X 4		TRH
B		07/11/00	ADDED ITEM 5; ITEM 4 WAS 96257 (SAME BOLT X 3/4 LG.)		TRH
C	1032	07/14/00	ITEM 3 WAS 143267-03 FOR S.N.'s 520 - 563 (THESE UNITS		
			WERE UPDATED WITH NEW, HARDER BEARINGS IN FIELD)		TRH
REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

ROADTEC

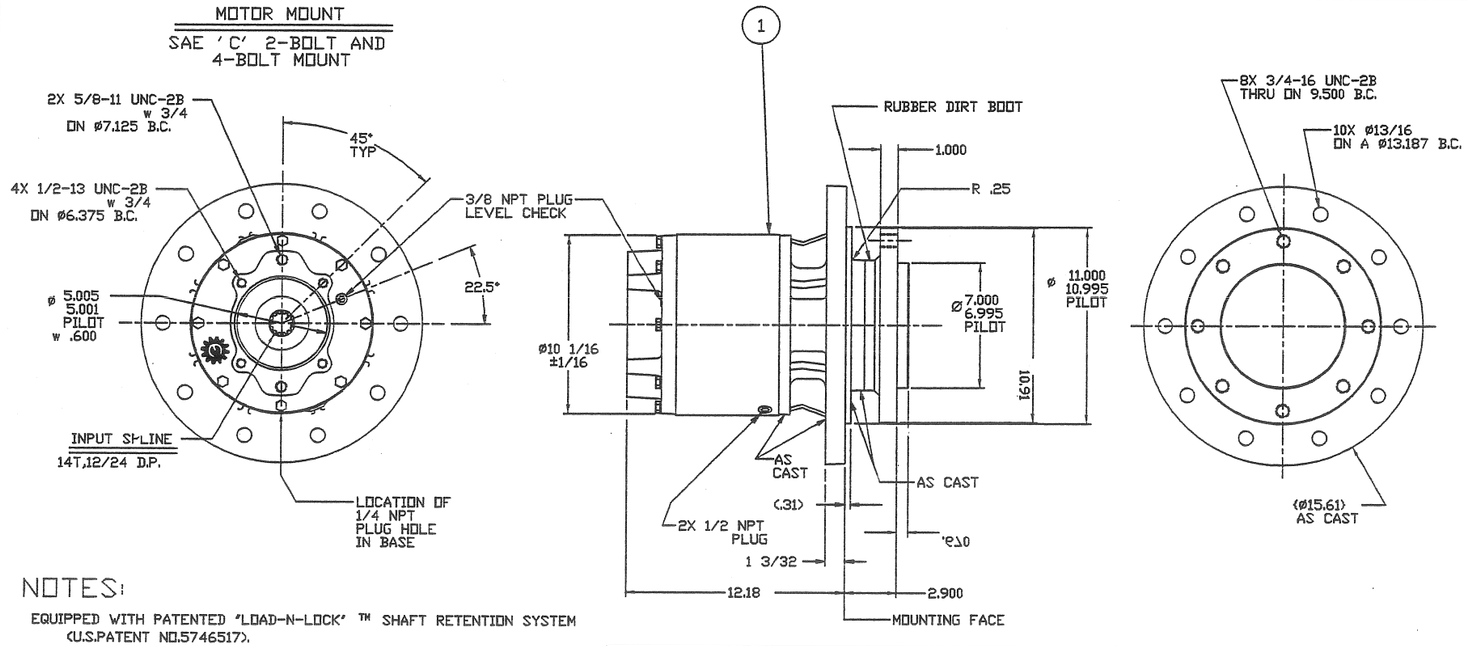
PART NAME: IDLER ROLLER ASSY.

SEE REQ'D PER ABOVE		SHEET NO: 1 of 1	FAB CODE: SEE
DRAWN BY: TRH	CHECKED BY:		EFFECTIVE S/N: ABOVE
SCALE: 1/4	DATE: 01/07/00	DWG NO: 143264-03	REV.: B

REV	DATE	ECN	DR.

MOTOR MOUNT

SAE 'C' 2-BOLT AND 4-BOLT MOUNT



NOTES:

EQUIPPED WITH PATENTED 'LOAD-N-LOCK' ™ SHAFT RETENTION SYSTEM (U.S.PATENT NO.5746517).

GEARBOX DATA:

GEARBOX TORQUE RATING: 130,000 IN-LB INTERMITTENT
GEARBOX OIL CAPACITY (TO MIDDLE OF PRI. PLANET GEARS):
4.25 PINTS EP80/90 GEAR OIL (VERTICAL)
2.50 PINTS EP80/90 GEAR OIL (HORIZONTAL)
TOTAL GEARBOX ASSY. WEIGHT: 240 LBS. APPROX.

ITEM	QTY	PART #	DESCRIPTION
4	-	-	-
3	-	-	-
2	-	-	-
1	1	130CA-S1-E 4-36	GEARBOX ASSY.
		13-004-1242	RATIO 36.00:1
		13-004-4072	INPUT SPLINE 14T, 12/24 D.P.
		81-004-3172	INPUT MOUNT SAE 'C' PILOT FLOAT
			SHAFT-OUTPUT (130/S1-SPINDLE)
			CASE-CUSTOM W/BOOT-130CA
			MODEL

DO NOT SCALE THIS DRAWING!

COPY DISTRIBUTION
ASSY ENGG QA SALES
1 2 3 4 5 6 7 8 9

ESKRIDGE

DRN P. SHIREY
APPR

TITLE
MODEL 130CA- (ROADTEC)

DATE 09-07-99
DRAWING NUMBER 13-006-5032
REV -
US 2D 5B

P. L. DGN: 06-15-99; CUST. APPROVAL RECEIVED 09-07-99

C1/C3 DRIVE GEARBOX
ESKRIDGE

(DIMENSIONALLY INTERCHANGEABLE W/137206-04. DIFFERENCE IS G/BOX INTERNAL COMPONENTS.)

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS:	CHK'D. BY	APPR. BY

ROADTEC

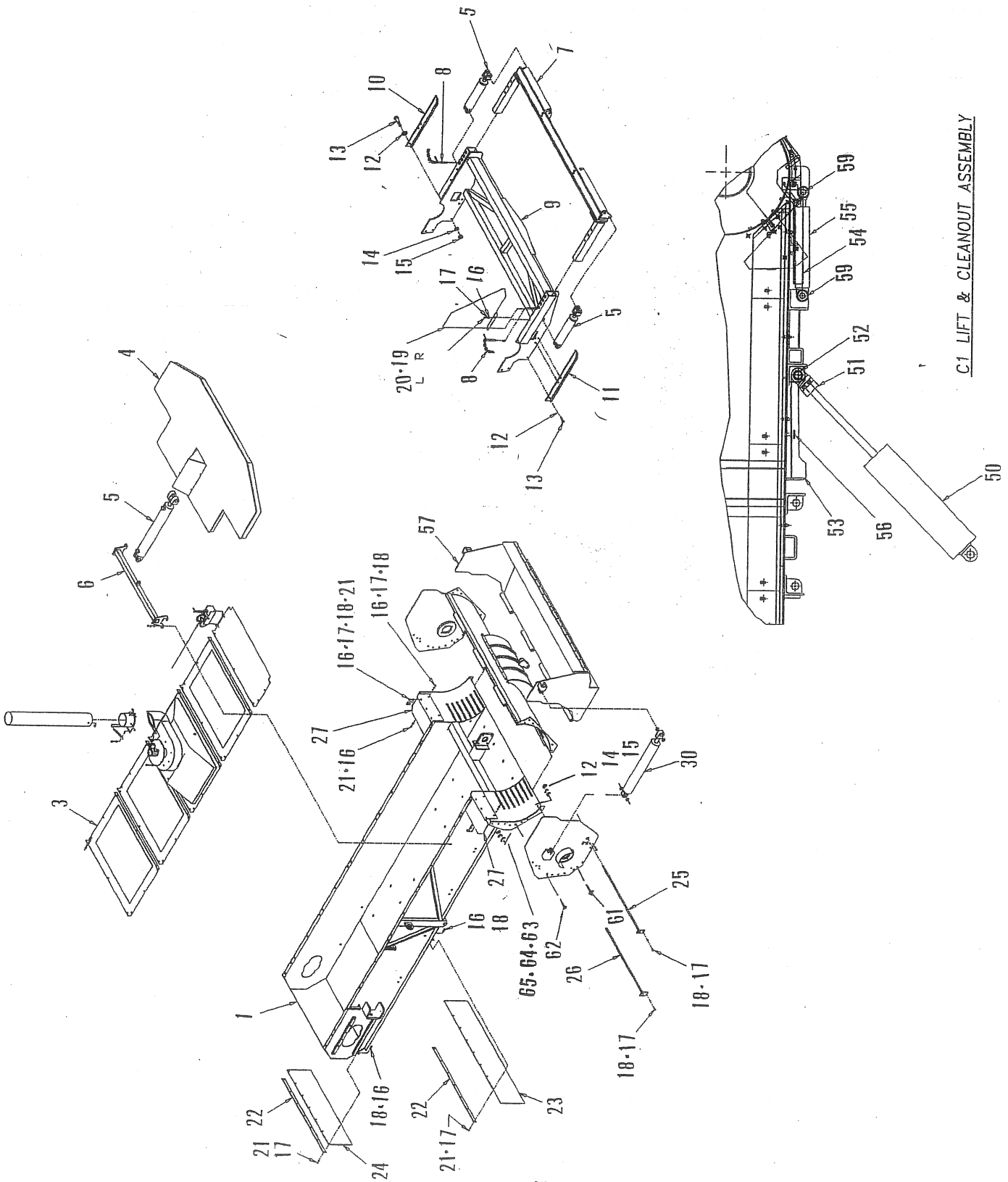
PART NAME
GEARBOX – C1/C3 DRIVE

01 REQ'D PER

DRAWN BY	CHECKED BY	SHEET NO	FAB CODE	EFFECTIVE S/N
SWEARINGEN		1 of 1	000	000

SCALE	DATE	DWG NO	REV.
1/4=1	9/8/99	142347-01	0

SB-2500B C-1 CONVEYOR ASSEMBLY
(145356-01)

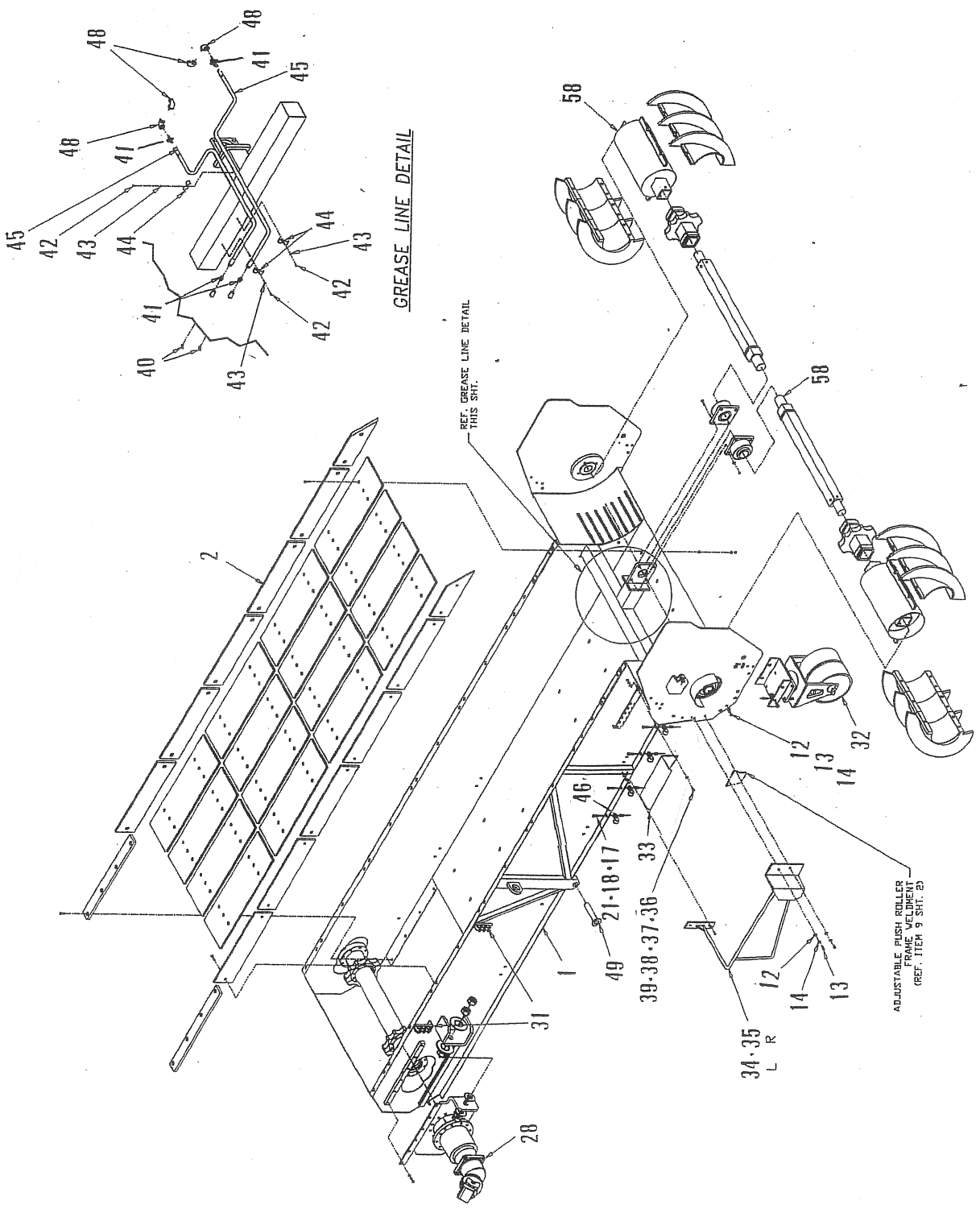


SB-2500B C-1 CONVEYOR
(145356-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	145537-01	C-1 CONVEYOR	1
2	142711-01	C-1 CONVEYOR WEAR PLATES	1
3	142696-01	TOP COVER & FUME EXTRACTION SUB-ASSY.	1
4	141581-01	C-1 BAFFLE	1
5	97482-01	CYL. 2.50 NBORE / 12.250 STROKE W/ PINS	3
6	133353-01	HYD. BAFFLE CROSSBAR	1
7	142431-01	ADJ. PUSH ROLLER TROLLEY FRAME	1
8	137460-03	HYD. PUSH ROLLER LOCKING PIN	2
9	134371-01	ADJ. PUSH ROLLER FRAME	1
10	131451-03L	L.H. SKID RUNNER	1
11	131451-03R	R.H. SKID RUNNER	1
12	85147	WASHER, FLAT 5/8" STEEL	10
13	16R05	BOLT, HEX 5/8 - 11 X 3" GD. 8	10
14	84717	LOCKWASHER 5/8"	10
15	85148	NUT, HEX 5/8 - 11 GD. 8 Z	6
16	83781-04	WASHER, FLAT 1/2" STEEL	32
17	83317	LOCKWASHER 1/2" SPRING STEEL GD. 8	32
18	83288	NUT, HEX 1/2 - 13 GD. 8	32
19	137597-02	R.H. PUSH ROLLER / HITCH SAFETY PLATE	1
20	137598-02	L.H. PUSH ROLLER / HITCH SAFETY PLATE	1
21	93144	BOLT, HEX 1/2 - 13 X 1 1/2" GD. 8	24
22	99159-03	CLAMP BAR	2
23	99158-03	RUBBER FLASHING	1
24	99580-03	RUBBER FLASHING	1
25	99183-03	DUMP HOPPER PIVOT PIN	2
26	122019-03	DUMP HOPPER LINER PIVOT PIN	2
27	138040-03	CONTROL COVER GUARD PLATE	2
28	137400-04	MOTOR - BENT AXIS 63 CC / REV	2
29	11K77	CLAMP - MOUNTING FOR 1" O.D. HOSE	4
30	83322-01	CYL. 3" BORE / 15 3/4" STROKE	
31	11K76	CLAMP, HOSE 1 1/4" O.D.	8
32	142718-02	CASTER	2
33	134208-01	C-1 VALVE COVER	1
34	140147-01L	SAFETY BAR (L.H.)	1
35	140147-01R	SAFETY BAR (R.H.)	1
36	83055	NUT, HEX 3/8 - 16 GD. 8	2
37	83056	LOCKWASHER 3/8" SPRING STEEL	2
38	83757	WASHER, FLAT 3/8" STEEL	4
39	84332	BOLT, HEX 3/8 - 16 X 1" GD. 8	2
40	89462-04	GREASE FITTING 1/8" NPT 90	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	83742-04	CONNECTOR - 1/4 TO 8 JIC ST..	2
42	89988-04	BOLT, HEX 1/4 - 20 X 3/4" GD. 8Z	3
43	83065	LOCKWASHER 1/4" SPRING STEEL	3
44	80539-04	CLAMP, CONDUIT 3/8" STEEL	3
45	122279	GREASE LINE - 50 1/2" LG. W/ 4 JIC SW. END	2
46	95966	CLIP - 3/4" HOSE FOR 3/8" BOLT	8
47			
48	86093-04	FITTING - 1/8" NPT 90 STREET	4
49	99165-04	PIN - PIVOT	2
50	29E83	CYL. C-1 LIFT W/ PINS	2
51	139371-04	CYLINDER STOP	4
52	137539-03	SAFETY BAR CYL. PIN	2
53	137502-01	SAFETY BAR CYL. PIN	2
54	128215-02	CYLINDER ROD COVER	1
55	83322-01	CYL. - 3" BORE 15 3/4" STROKE (CLEAN-OUT)	
56	89034-04	PIN - 1" HITCH	2
57	142862-01	DUMP HOPPER	1
58	143263-01	CHAIN AND AUGER (SUB-ASSY.)	1
59	128267-04	CYLINDER PIN	2
60	122043-04	SPACER (NOT SHOWN)	8
61	96041	BOLT, HEX 5/8 - 11 X 2"	4
62	93071	BOLT, HEX 3/4 - 10 X 2"	8
63	83133	FLAT WASHER 3/4" STEEL	8
64	83752-04	LOCKWASHER 3/4" SPRING STEEL	8
65	84071-04	NUT, HEX 3/4 - 10 GD. 8	8
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SB-2500B C-1 CONVEYOR ASSEMBLY
(145356-01)



SB-2500B C-1 CONVEYOR
(145356-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	145537-01	C-1 CONVEYOR	1
2	142711-01	C-1 CONVEYOR WEAR PLATES	1
3	142696-01	TOP COVER & FUME EXTRACTION SUB-ASSY.	1
4	141581-01	C-1 BAFFLE	1
5	97482-01	CYL. 2.50 NBORE / 12.250 STROKE W/ PINS	3
6	133353-01	HYD. BAFFLE CROSSBAR	1
7	142431-01	ADJ. PUSH ROLLER TROLLEY FRAME	1
8	137460-03	HYD. PUSH ROLLER LOCKING PIN	2
9	134371-01	ADJ. PUSH ROLLER FRAME	1
10	131451-03L	L.H. SKID RUNNER	1
11	131451-03R	R.H. SKID RUNNER	1
12	85147	WASHER, FLAT 5/8" STEEL	10
13	16R05	BOLT, HEX 5/8 - 11 X 3" GD. 8	10
14	84717	LOCKWASHER 5/8"	10
15	85148	NUT, HEX 5/8 - 11 GD. 8 Z	6
16	83781-04	WASHER, FLAT 1/2" STEEL	32
17	83317	LOCKWASHER 1/2" SPRING STEEL GD. 8	32
18	83288	NUT, HEX 1/2 - 13 GD. 8	32
19	137597-02	R.H. PUSH ROLLER / HITCH SAFETY PLATE	1
20	137598-02	L.H. PUSH ROLLER / HITCH SAFETY PLATE	1
21	93144	BOLT, HEX 1/2 - 13 X 1 1/2" GD. 8	24
22	99159-03	CLAMP BAR	2
23	99158-03	RUBBER FLASHING	1
24	99580-03	RUBBER FLASHING	1
25	99183-03	DUMP HOPPER PIVOT PIN	2
26	122019-03	DUMP HOPPER LINER PIVOT PIN	2
27	138040-03	CONTROL COVER GUARD PLATE	2
28	137400-04	MOTOR - BENT AXIS 63 CC / REV	2
29	11K77	CLAMP - MOUNTING FOR 1" O.D. HOSE	4
30	83322-01	CYL. 3" BORE / 15 3/4" STROKE	
31	11K76	CLAMP, HOSE 1 1/4" O.D.	8
32	142718-02	CASTER	2
33	134208-01	C-1 VALVE COVER	1
34	140147-01L	SAFETY BAR (L.H.)	1
35	140147-01R	SAFETY BAR (R.H.)	1
36	83055	NUT, HEX 3/8 - 16 GD. 8	2
37	83056	LOCKWASHER 3/8" SPRING STEEL	2
38	83757	WASHER, FLAT 3/8" STEEL	4
39	84332	BOLT, HEX 3/8 - 16 X 1" GD. 8	2
40	89462-04	GREASE FITTING 1/8" NPT 90	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	83742-04	CONNECTOR - 1/4 TO 8 JIC ST.	2
42	89988-04	BOLT, HEX 1/4 - 20 X 3/4" GD. 8Z	3
43	83065	LOCKWASHER 1/4" SPRING STEEL	3
44	80539-04	CLAMP, CONDUIT 3/8" STEEL	3
45	122279	GREASE LINE - 50 1/2" LG. W/ 4 JIC SW. END	2
46	95966	CLIP - 3/4" HOSE FOR 3/8" BOLT	8
47			
48	86093-04	FITTING - 1/8" NPT 90 STREET	4
49	99165-04	PIN - PIVOT	2
50	29E83	CYL. C-1 LIFT W/ PINS	2
51	139371-04	CYLINDER STOP	4
52	137539-03	SAFETY BAR CYL. PIN	2
53	137502-01	SAFETY BAR CYL. PIN	2
54	128215-02	CYLINDER ROD COVER	1
55	83322-01	CYL. - 3" BORE 15 3/4" STROKE (CLEAN-OUT)	
56	89034-04	PIN - 1" HITCH	2
57	142862-01	DUMP HOPPER	1
58	143263-01	CHAIN AND AUGER (SUB-ASSY.)	1
59	128267-04	CYLINDER PIN	2
60	122043-04	SPACER (NOT SHOWN)	8
61	96041	BOLT, HEX 5/8 - 11 X 2"	4
62	93071	BOLT, HEX 3/4 - 10 X 2"	8
63	83133	FLAT WASHER 3/4" STEEL	8
64	83752-04	LOCKWASHER 3/4" SPRING STEEL	8
65	84071-04	NUT, HEX 3/4 - 10 GD. 8	8
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ALWAYS REFER TO THE MACHINE SERIAL NUMBER WHEN ORDERING PARTS OR WRITING FOR INFORMATION. SPACE IS PROVIDED BELOW TO RECORD PERTINENT INFORMATION CONCERNING YOUR MACHINE.

SERIAL NUMBER:	
DATE PURCHASED:	
ENGINE MAKE:	
ENGINE MODEL:	

CHANGES

PARTS INFO.	SERVICE INFO.	GROUP	PAGE	NOTES

NOTES:

FOR ADDITIONAL INFORMATION OR ASSISTANCE :

ROADTEC,INC.
800 MANUFACTURERS RD.
P.O. BOX 180515
CHATTANOOGA, TN. 37404-7515
PHONE: 423-265-0600
1-800-272-7100
FAX: 423-267-7104

ROADTEC, INC - PARTS
2090 RIVERSIDE DRIVE
CHATTANOOGA, TN. 37406
PHONE: 423-622-9202
1-877-266-8882
FAX: 423-622-9072

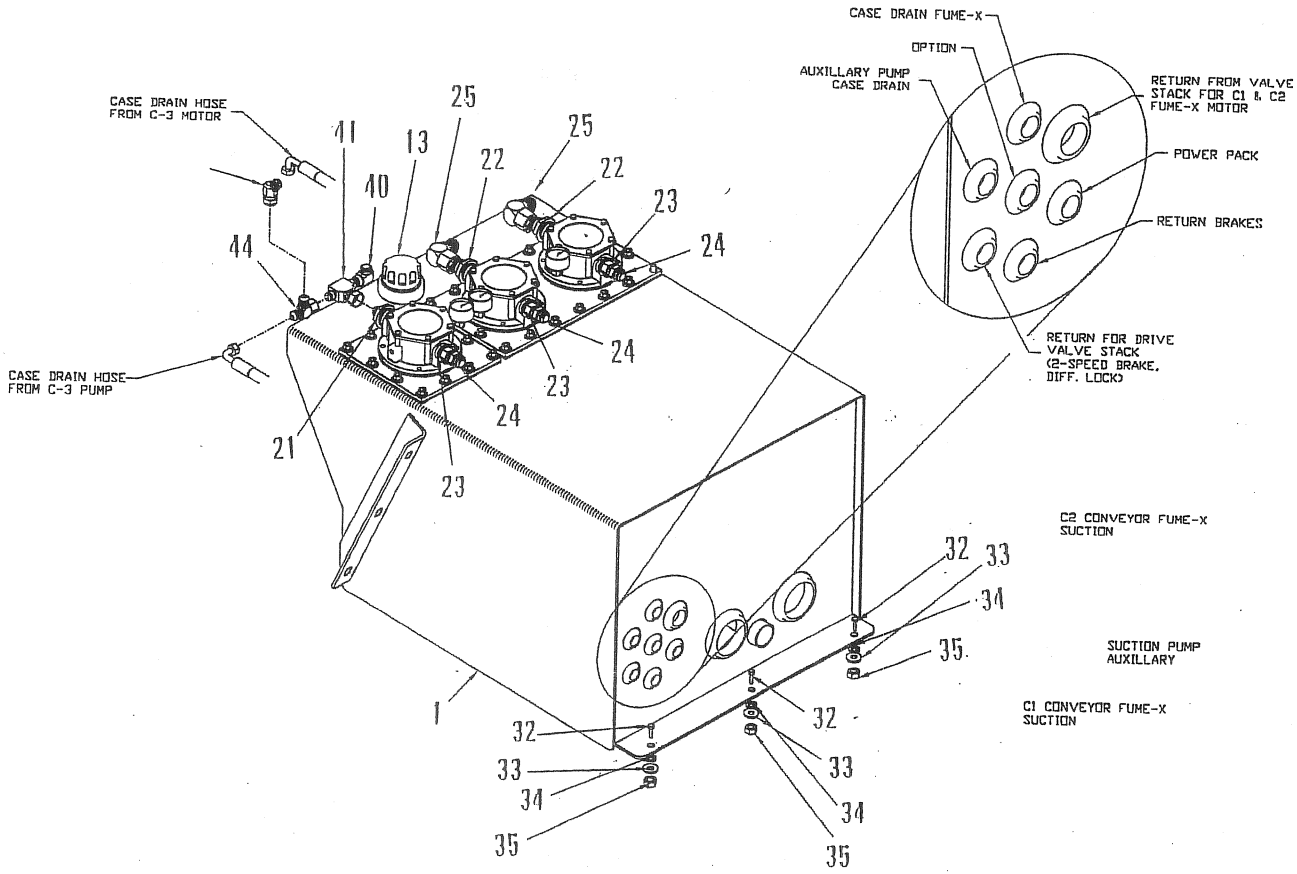
SECTION 4 : HYDRAULICS

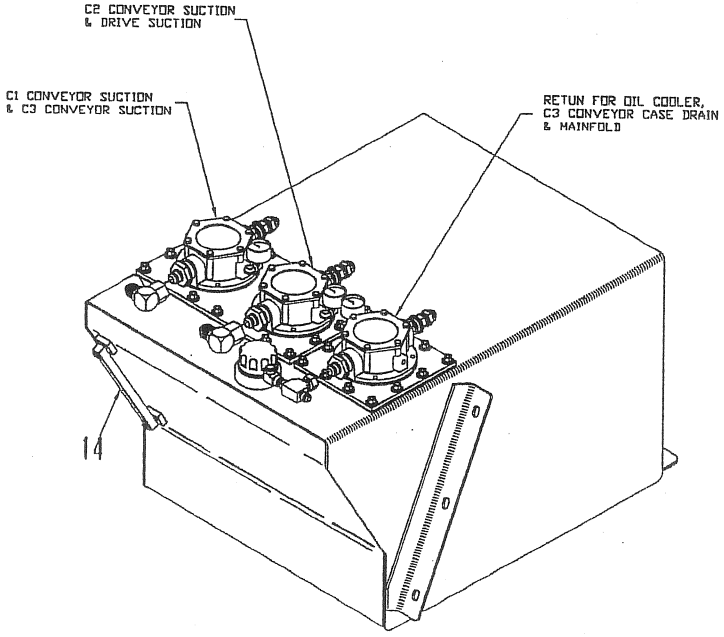
ASSEMBLY	PART NO.	S/N	PAGE NO.
HYDRAULIC TANK	140317-01	496 & UP	4.1
AUXILIARY PUMP	143161-01	514 & UP	4.6
BRAKE (ROCKWELL AXLES)	145374-01	369 & UP	4.8
FUME CONTROL	143490-01	526 & UP	4.10
C-1 CONVEYOR CLEAN OUT	129219-01	261 & UP	4.12
C-1 CONVEYOR DRIVE	120743-01	293 & UP	4.14
C-1 LIFT, DUMP & VIBRATOR	134569-01	352 & UP	4.16
C-1 HYD. PUSH ROLLER	137606-01		4.18
C-2 CONVEYOR DRIVE	120333-01	204 & UP	4.20
C-2 HOPPER CLEAN OUT	121730-01	294 & UP	4.22
C-3 CONVEYOR CLEAN OUT	128973-01	293 & UP	4.24
C-3 CONVEYOR DRIVE	145972-01	585 & UP	4.26
C-3 SWING & LIFT	139299-01	424 & UP	4.28
FLOWGATE	120338-01	321 & UP	4.30
PLATFORM RAISE	145361-01	571 & UP	4.32
STEERING	131044-01	294 & UP	4.34
DRIVE (WHEEL)	143494-01	526 & UP	4.36
HYDRAULIC CHANNEL ASSY.	146111-03	585 & UP	4.38
PUMP DRIVE	144422-01		4.40
HYDRAULIC CYLINDERS			4.42

SB-2500B HYDRAULIC TANK
(140317-01)

SHOP NOTES:
1. INTERNAL PARTS MUST BE FREE & CLEAR OF BURRS AND LOOSE CONTAMINANTS.

2. USE PERMATEX PIPE SEALANT (ROADTEC #130880) ON ALL THREADED HYDRAULIC CONNECTIONS.

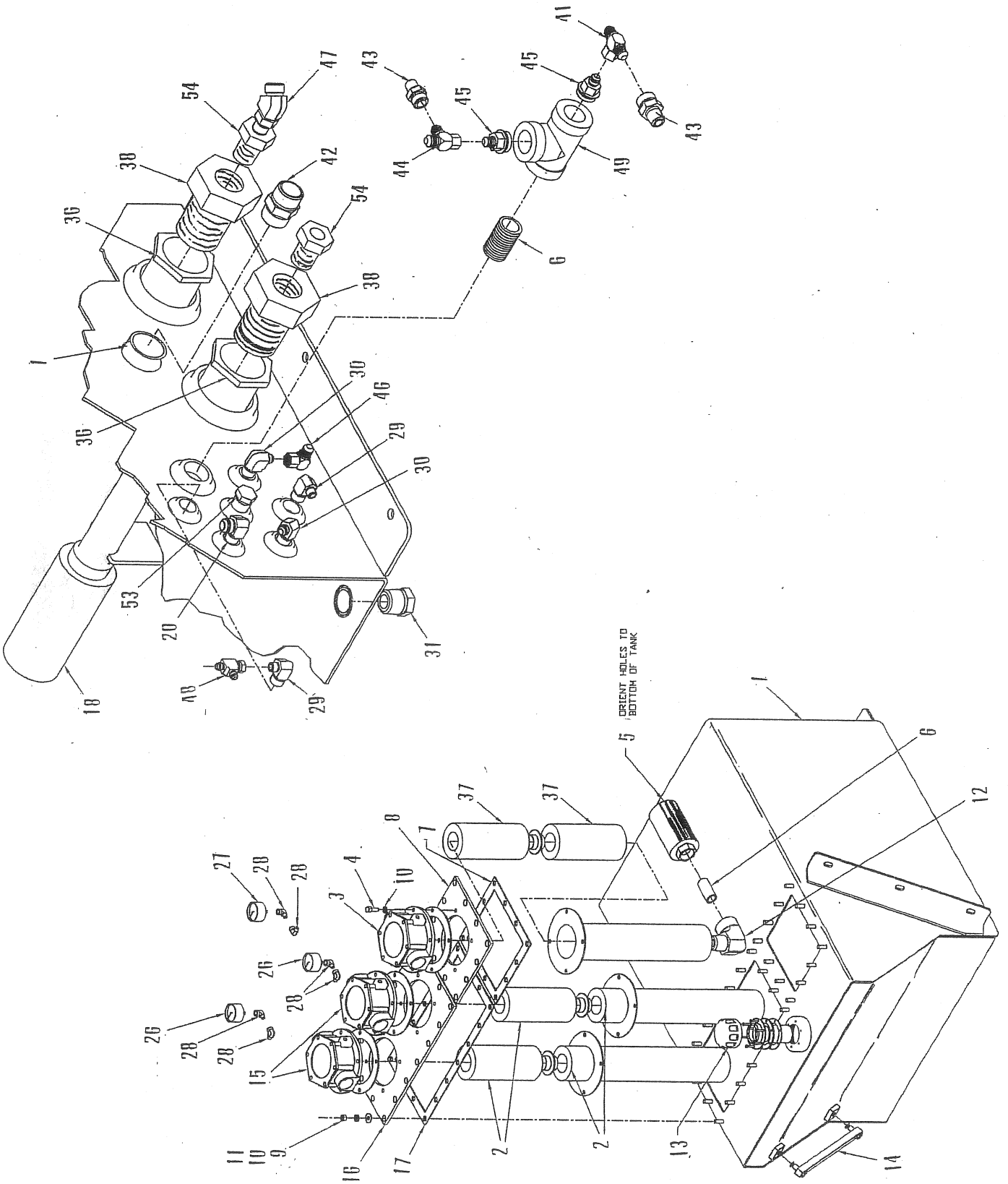




HYDRAULIC TANK ASSEMBLY
(140317-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	140073-01	HYDRAULIC TANK	1
2	29G40	FILTER, ELEMENT 10 MICRON	4
3	29G37	FILTER HOUSING 2 ELEMENT W/ BY-PASS	1
4	96476	BOLT, HEX 3/8 - 16 X 1 1/4"	12
5	16W28	RETURN LINE DIFFUSER 1 1/4" NPT	1
6	80591	NIPPLE, CLOSE 1 1/4"	2
7	99805-03	GASKET, RUBBER	1
8	99804-03	SINGLE FILTER TANK LID	1
9	83055	NUT, HEX 3/8 - 16 GD. 8	30
10	83056	LOCKWASHER 3/8" SPRING STEEL	42
11	83757	WASHER, FLAT 3/8" STEEL	30
12	92144	PLUMB 1 1/4" NPT 90 DEG. ST.	1
13	87237-04	FILLER CAP	1
14	97412-04	GAUGE, CHANNEL LIQUID LEVEL	1
15	29G38	FILTER, HOUSING DBLE. ELEMENT	2
16	99802-02	DOUBLE FILTER TANK LID	1
17	99803-02	GASKET, RUBBER	1
18	29H27	FILTER, OIL SUMP TYPE 30 GPM	1
19	90952-04	FITTING, 12 JIC 45 SWIVEL ELBOW	1
20	85490-04	FITTING, 12 JIC X 1 1/2" 3/4" NPT MALE 90	1
21	120671	FITTING 12 JIC X 20 SAE ST.	1
22	84632-04	FITTING, CONNECTOR 16 JIC X 20 SAE M.	2
23	28G05	FITTING, ST. ADAPTER 24 SAE M. X 20 SAE F.	3
24	84244-04	FITTING, CONNECTOR 20 JIC X 20 SAE M.	3
25	84654-04	FITTING, SWIVEL ELBOW 16 JIC 90 STEEL	2
26	33019	GAUGE, VACUUM (SUCTION FILTER)	2
27	29E61	GAUGE, PRESSURE USE W/ 15 PSI FILTER	1
28	23J52	FITTING, ELBOW 1/8" NPT M. X 1/8" NPT F.	6
29	120672	FITTING 6 JIC X 3/4" NPT 90	2
30	91663-04	FITTING, ELBOW 8 JIC X 3/4" NPT 90	2
31	142610-04	SOCKET PLUG 1" NPT	2
32	83754	BOLT, HEX 1/2 - 13 X 1"	3
33	83781-04	WASHER, FLAT 1/2" STEEL	3
34	83317	LOCKWASHER 1/2" SPRING STEEL GD.8	3
35	83288	NUT, HEX 1/2 - 13 GD. 8	3
36	89013-04	FILTER, TANK STRAINERS	2
37	137269-04	FILTER ELEMENT 3 MICRON NOM.	2
38	89600	BUSHING 2 X 1 1/4" NPT	2
39			
40	83764-04	FITTING, ELBOW 12 JIC M. 90 FM SWIVEL	1
41	89898-04	FITTING, BRANCH TEE 12 JIC SWIVEL	1
42	92993	FITTING, 24 JIC X 1 1/2" NPT M. ST	1
43	83456-04	FITTING, ADAPTER 12 JIC F. X 8 JIC RED.	2
44	84402-04	FITTING, SWIVEL RUN TEE 12 JIC	2
45	89804-04	FITTING, CONN. 12 JIC X 1 1/4 NPT ST.	2
46	83732-04	FITTING, ELBOW 8 JIC M. X 8 F. 90 SW ST.	2
47	89691	FITTING, ELBOW SWIVEL 16 JIC 45	1
48	84636-04	FITTING, SWIVEL RUN TEE 6 JIC	1
49	89813-04	PLUMB, TEE 1 1/4 NPT FEMALE	1
50			
51			
52			
53	23C76	PLUMB, PIPE CAP 3/4 NPT	1
54	89605	FITTING, PIPE PLUG 3/4 NPT	2
55			
56	142806-04	HYDRAULIC TANK DRAIN TAG	1

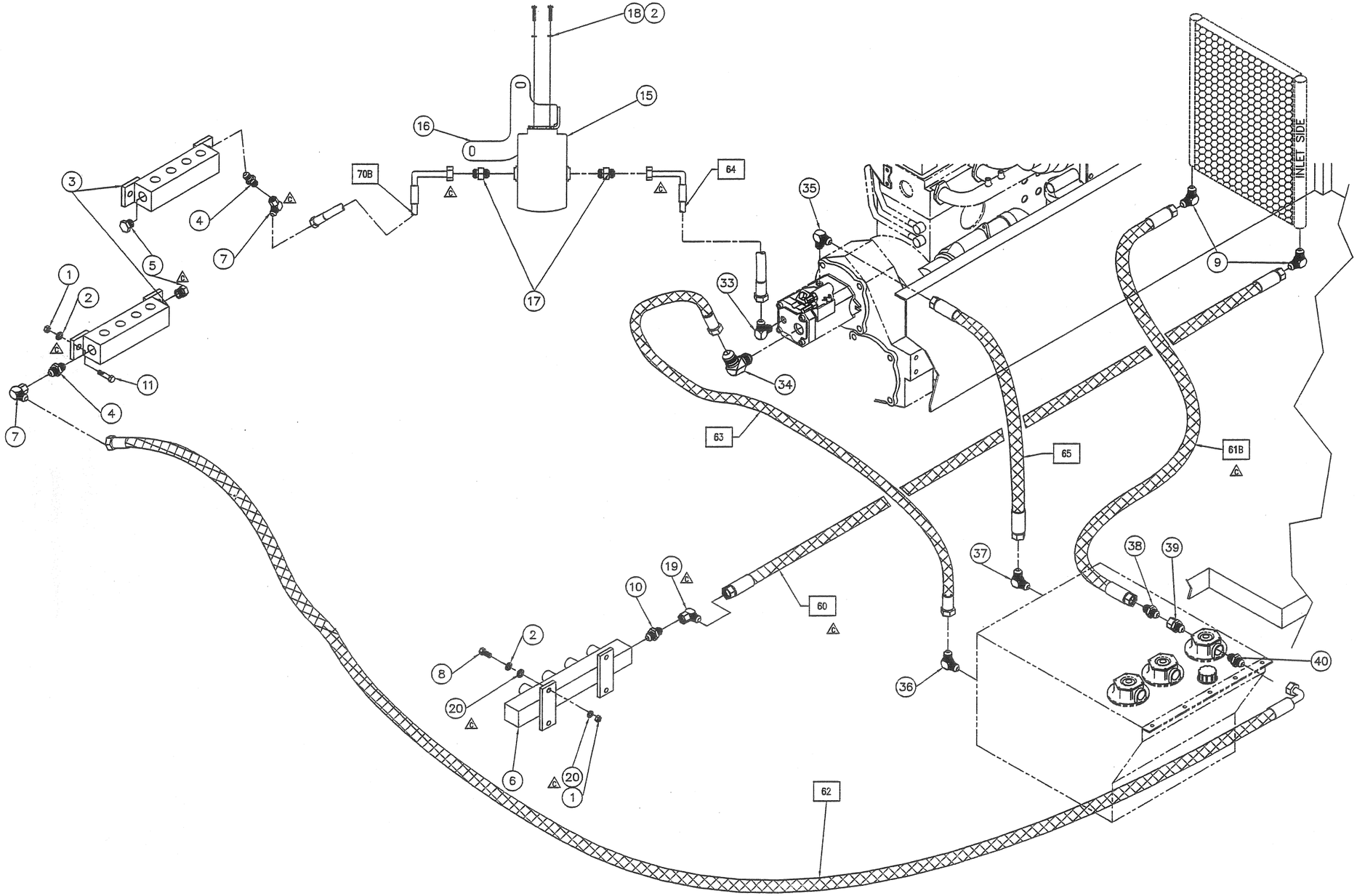
SB-2500B HYDRAULIC TANK
(140317-01)



HYDRAULIC TANK ASSEMBLY
(140317-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	140073-01	HYDRAULIC TANK	1
2	29G40	FILTER, ELEMENT 10 MICRON	4
3	29G37	FILTER HOUSING 2 ELEMENT W/ BY-PASS	1
4	96476	BOLT, HEX 3/8 - 16 X 1 1/4"	12
5	16W28	RETURN LINE DIFFUSER 1 1/4" NPT	1
6	80591	NIPPLE, CLOSE 1 1/4"	2
7	99805-03	GASKET, RUBBER	1
8	99804-03	SINGLE FILTER TANK LID	1
9	83055	NUT, HEX 3/8 - 16 GD. 8	30
10	83056	LOCKWASHER 3/8" SPRING STEEL	42
11	83757	WASHER, FLAT 3/8" STEEL	30
12	92144	PLUMB 1 1/4" NPT 90 DEG. ST.	1
13	87237-04	FILLER CAP	1
14	97412-04	GAUGE, CHANNEL LIQUID LEVEL	1
15	29G38	FILTER, HOUSING DBLE. ELEMENT	2
16	99802-02	DOUBLE FILTER TANK LID	1
17	99803-02	GASKET, RUBBER	1
18	29H27	FILTER, OIL SUMP TYPE 30 GPM	1
19	90952-04	FITTING, 12 JIC 45 SWIVEL ELBOW	1
20	85490-04	FITTING, 12 JIC X 1 1/2" 3/4" NPT MALE 90	1
21	120671	FITTING 12 JIC X 20 SAE ST.	1
22	84632-04	FITTING, CONNECTOR 16 JIC X 20 SAE M.	2
23	28G05	FITTING, ST. ADAPTER 24 SAE M. X 20 SAE F.	3
24	84244-04	FITTING, CONNECTOR 20 JIC X 20 SAE M.	3
25	84654-04	FITTING, SWIVEL ELBOW 16 JIC 90 STEEL	2
26	33019	GAUGE, VACUUM (SUCTION FILTER)	2
27	29E61	GAUGE, PRESSURE USE W/ 15 PSI FILTER	1
28	23J52	FITTING, ELBOW 1/8" NPT M. X 1/8" NPT F.	6
29	120672	FITTING 6 JIC X 3/4" NPT 90	2
30	91663-04	FITTING, ELBOW 8 JIC X 3/4" NPT 90	2
31	142610-04	SOCKET PLUG 1" NPT	2
32	83754	BOLT, HEX 1/2 - 13 X 1"	3
33	83781-04	WASHER, FLAT 1/2" STEEL	3
34	83317	LOCKWASHER 1/2" SPRING STEEL GD.8	3
35	83288	NUT, HEX 1/2 - 13 GD. 8	3
36	89013-04	FILTER, TANK STRAINERS	2
37	137269-04	FILTER ELEMENT 3 MICRON NOM.	2
38	89600	BUSHING 2 X 1 1/4" NPT	2
39			
40	83764-04	FITTING, ELBOW 12 JIC M. 90 FM SWIVEL	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	89898-04	FITTING, BRANCH TEE 12 JIC SWIVEL	1
42	92993	FITTING, 24 JIC X 1 1/2" NPT M. ST	1
43	83456-04	FITTING, ADAPTER 12 JIC F. X 8 JIC RED.	2
44	84402-04	FITTING, SWIVEL RUN TEE 12 JIC	2
45	89804-04	FITTING, CONN. 12 JIC X 1 1/4 NPT ST.	2
46	83732-04	FITTING, ELBOW 8 JIC M. X 8 F. 90 SW ST.	2
47	89691	FITTING, ELBOW SWIVEL 16 JIC 45	1
48	84636-04	FITTING, SWIVEL RUN TEE 6 JIC	1
49	89813-04	PLUMB, TEE 1 1/4 NPT FEMALE	1
50			
51			
52			
53	23C76	PLUMB, PIPE CAP 3/4 NPT	1
54	89605	FITTING, PIPE PLUG 3/4 NPT	2
55			
56	142806-04	HYDRAULIC TANK DRAIN TAG	1



	QTY	ITEM	IDENT	DESCRIPTION	
A	B	1	83055	HEX NUT ~ 3/8-16	
A	12	2	83056	LOCK WASHER ~ 3/8	
	2	3	96066-04	MANIFOLD BLOCK	
	2	4	83457-04	FITTING ~ 12 JIC X 12 SAE ST	
	2	5	83979-04	FITTING ~ 12 SAE PLUG	
	1	6	121015-02	MANIFOLD BLOCK	
C	2	7	83764-04	FITING ~ 12 JIC SW 90°	
	4	8	84332	HEX BOLT ~ 3/8-16 X 1"	GD.8
	2	9	97168	FITTING ~ 20 JIC X 20 SAE 90°	
	1	10	91677-04	FITTING ~ 20 JIC X 1 1/4" NPT ST	
	4	11	86127-04	HEX BOLT ~ 3/8-16 x 3/4"	GD.8
A	–	12			
A	–	13			
C	–	14			
	1	15	142799-03	FILTER-HIGH PRESSURE IN-LINE	
A	REF	16	143172-03	FILTER-HIGH PRESSURE IN-LINE BRACKET	
A	2	17	120871	FITTING ~ 12 JIC X 20 SAE ST	
A	4	18	142926	BOLT ~ 3/8-24 UNF X 1 LG. GR8	
C	1	19	85216-04	FITTING ~ 20 JIC 90° SWIVEL ELBOW	
C	12	20	83757	WASHER ~ FLAT 3/8	
		21			
		22			
		23			
		24			
		25			
		26			
		27			
		28			
		29			
		30			
		31			
		32			
	1**	33	85875-04	FITTING ~ 12 JIC x 16 SAE 90°	
A	1**	34	83768-04	FITTING ~ 24 JIC X 24 SAE ST	
	1**	35	97551	FITTING ~ 12 JIC x 10 SAE 90°	
	1***	36	26139	FITTING ~ 24 JIC X 1 1/2" NPT 90°	
B	3***	37	85490-04	FITTING ~ 3/4 NPT x 12 JIC 90°	
	1***	38	84244-04	FITTING ~ 20 JIC X 20 SAE ST	
	1***	39	28005	FITTING ~ 24 SAE X 20 SAE ST	
	1***	40	120871	FITTING ~ 12 JIC X 20 SAE ST	

** REF. TO ENG. ASS'Y
*** REF. TO HYD. TANK ASS'Y

C * REF. HOSE KIT

REV.	E.C.N.	DATE	REVISIONS	CHK'D. BY	APPR. BY
		08/04/00	CORRECTED BALLOONS AND HOSE REFS.	SW	

REV.	E.C.N.	DATE	REVISIONS	CHK'D. BY	APPR. BY
A		03/17/00	ADDED ITEMS 16 THRU 18;ITEM 34 WAS (128228)		
			FITTING~24 JIC X 24 SAE 45°; ITEM 2 WAS QTY X 8		TRH
B		06/13/00	ADDED ITEM 19; ITEM 37 QTY X 3 WAS QTY X 1		TRH
C		08/04/00	ITEM 1 WAS QTY. 4, ITEM 7 WAS QTY. 1. ADDED ITEM 20.		
		08/04/00	DEL. ITEM 12 1-(85949-04 FIT ~ 5 JIC TEST PORT CAP)		
		08/04/00	DEL. ITEM 13 (1-83459-04 FIT ~ 8 JIC X 8 SAE ST.)		
		08/04/00	DEL. ITEM 14 (1-86081-04 5 JIC TEST PORT)		

REPLACES DRAWING:131469-01 E.C.999

	I	E	T	N	P	F	C	M	M	C	A			

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

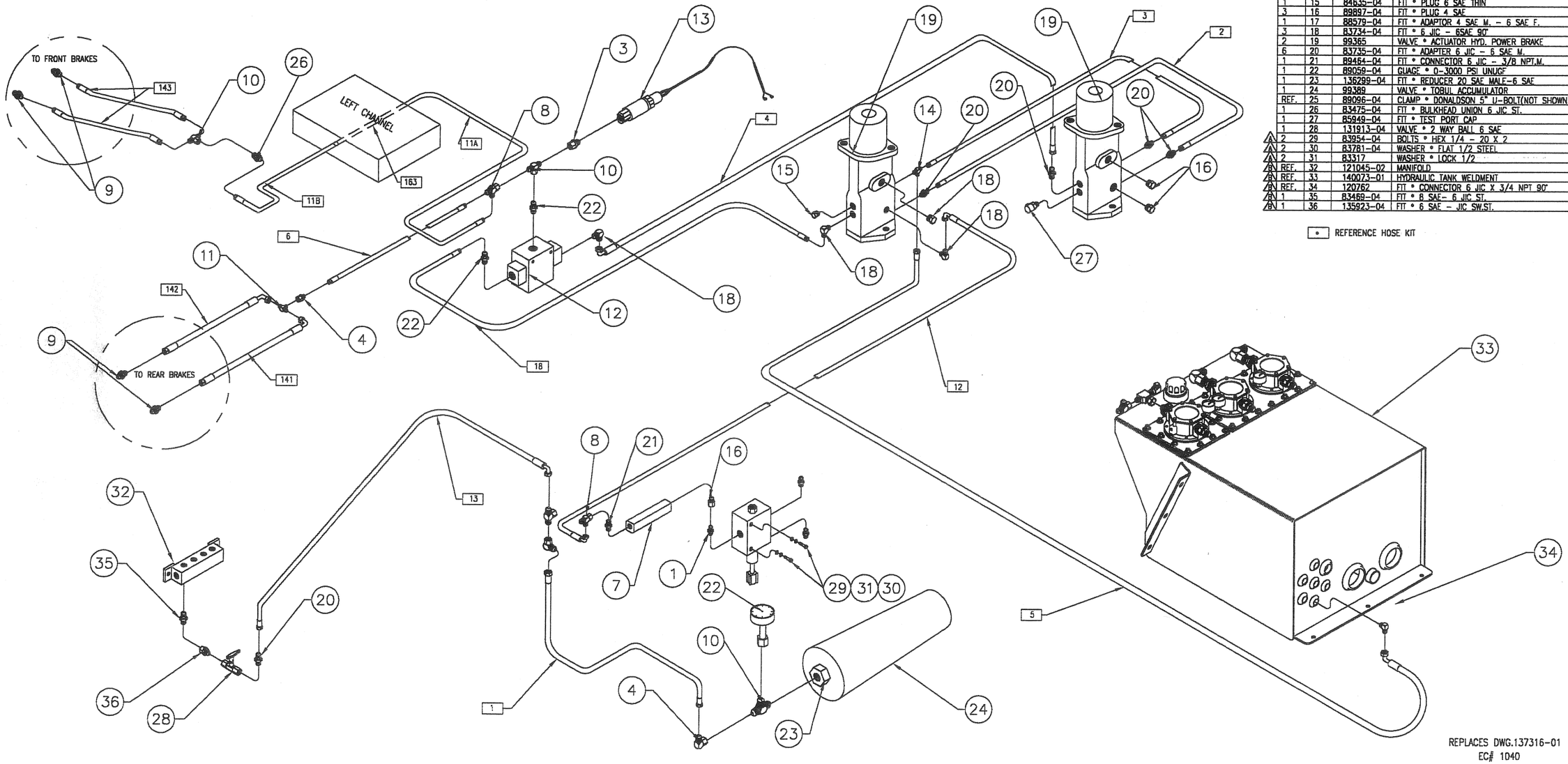
ROADTEC

PART NAME: AUXILIARY PUMP & OIL COOLER HYD'S

01 RED'D PER SB2500 | SHEET NO: 1 of 1 | FAB CODE: 615 | EFFECTIVE S/N: 514

DRAWN BY: TRH | CHECKED BY:

SCALE: 1/8=1 | DATE: 12/21/99 | DWG NO: 143161-01 | REV: C



QTY	ITEM	IDENT	DESCRIPTION
3	1	83469-04	FIT • CONNECTOR 6 JIC - 8 SAE MALE
1	2	131680-04	FIT - 6 JIC TEST PORT
1	3	132960-04	1/4 NPTF X 6 JIC F SW.STR.
3	4	83953-04	6 JIC F - 6 JIC M 90°
1	5	126763-04	VALVE • PRESSURE REDUCING (SAE)
1	6	85751-04	FIT • ADAPTER 3/8" NPT - 6 JIC SW
1	7	99452	VALVE • CHECK 3/8"
2	8	84636-04	FIT • SWIVEL RUN TEE 6 JIC
4	9	130259	FIT • BRAKE 1553 (NOT SHOWN)
3	10	89598	FIT • SWIVEL BRANCH TEE 6 JIC
1	11	93231	FIT • 6 JIC RUN BULKHEAD TEE
1	12	136641-04	VALVE • SHUTTLE VALVE 6 SAE PORTS
1	13	144981-04	SWITCHES • PRESSURE SP/ST 50 PSI
1	14	91665-04	FIT • RUN TEE-6 JIC-M - 6 SAE-M
1	15	84635-04	FIT • PLUG 6 SAE THIN
3	16	89897-04	FIT • PLUG 4 SAE
1	17	88579-04	FIT • ADAPTOR 4 SAE M. - 6 SAE F.
3	18	83734-04	FIT • 6 JIC - 6SAE 90°
2	19	99365	VALVE • ACTUATOR HYD. POWER BRAKE
6	20	83735-04	FIT • ADAPTER 6 JIC - 6 SAE M.
1	21	89464-04	FIT • CONNECTOR 6 JIC - 3/8 NPT.M.
1	22	89059-04	GUAGE • 0-3000 PSI UNUGF
1	23	136299-04	FIT • REDUCER 20 SAE MALE-6 SAE
1	24	99389	VALVE • TOBUL ACCUMULATOR
REF.	25	89096-04	CLAMP • DONALDSON 5" U-BOLT(NOT SHOWN)
1	26	83475-04	FIT • BULKHEAD UNION 6 JIC ST.
1	27	85949-04	FIT • TEST PORT CAP
1	28	131913-04	VALVE • 2 WAY BALL 6 SAE
A 2	29	83954-04	BOLTS • HEX 1/4 - 20 X 2
A 2	30	83781-04	WASHER • FLAT 1/2 STEEL
A 2	31	83317	WASHER • LOCK 1/2
BN REF.	32	121045-02	MANIFOLD
BN REF.	33	140073-01	HYDRAULIC TANK WELDMENT
BN REF.	34	120762	FIT • CONNECTOR 6 JIC X 3/4 NPT 90°
BN 1	35	83469-04	FIT • 8 SAE- 6 JIC ST.
BN 1	36	135923-04	FIT • 6 SAE - JIC SW.ST.

▭ REFERENCE HOSE KIT

REPLACES DWG.137316-01
EC# 1040

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'CL BY	APPR. BY
A		10/02/00	ADDED ITEMS 29,30,AND 31.	SW	
B		10/05/00	ADDED ITEMS 32 THRU 36. ADDED DWG.	SW	

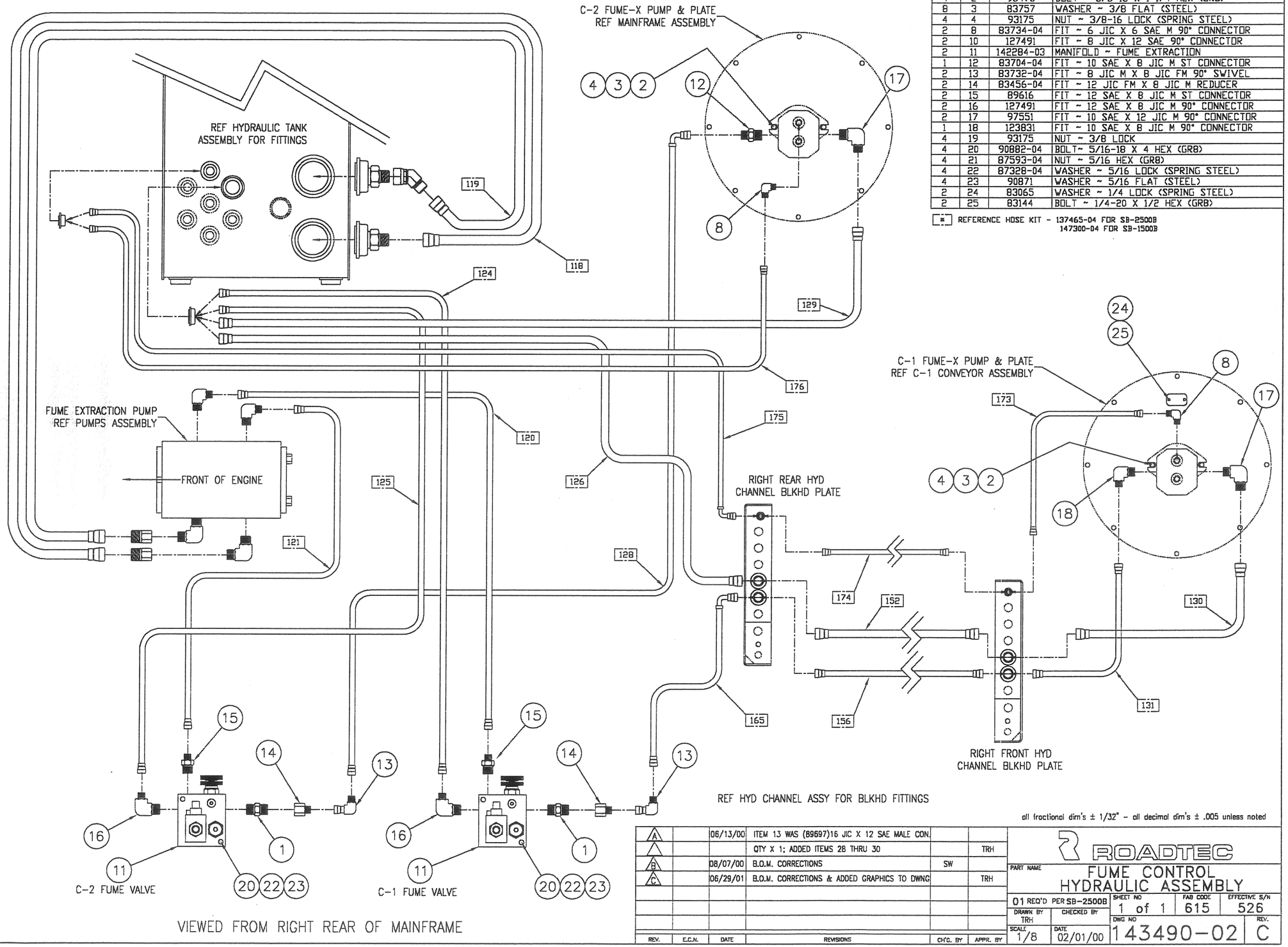
ROADTEC

PART NAME: BRAKE CIRCUIT ASSEMBLY (ROCKWELL AXLES)

1 RDTD PERSB-2500B | SHEET NO: 1 of 3 | FAB CODE: 615 | EFFECTIVE S/N:

DRAWN BY: SW | CHECKED BY:

SCALE: 1=1 | DATE: 08/10/00 | DWG NO: 145374-01 | REV: B



QTY	ITEM	IDENT	DESCRIPTION
2	1	142848-04	CHECK VALVE ~ #12 100 PSI CRACKING
4	2	96476	BOLT ~ 3/8-16 X 1 1/4 HEX (GR8)
8	3	83757	WASHER ~ 3/8 FLAT (STEEL)
4	4	93175	NUT ~ 3/8-16 LOCK (SPRING STEEL)
2	8	83734-04	FIT ~ 6 JIC X 6 SAE M 90° CONNECTOR
2	10	127491	FIT ~ 8 JIC X 12 SAE 90° CONNECTOR
2	11	142284-03	MANIFOLD ~ FUME EXTRACTION
1	12	83704-04	FIT ~ 10 SAE X 8 JIC M ST CONNECTOR
2	13	83732-04	FIT ~ 8 JIC M X 8 JIC FM 90° SWIVEL
2	14	83456-04	FIT ~ 12 JIC FM X 8 JIC M REDUCER
2	15	89616	FIT ~ 12 SAE X 8 JIC M ST CONNECTOR
2	16	127491	FIT ~ 12 SAE X 8 JIC M 90° CONNECTOR
2	17	97551	FIT ~ 10 SAE X 12 JIC M 90° CONNECTOR
1	18	123831	FIT ~ 10 SAE X 8 JIC M 90° CONNECTOR
4	19	93175	NUT ~ 3/8 LOCK
4	20	90882-04	BOLT~ 5/16-18 X 4 HEX (GR8)
4	21	87593-04	NUT ~ 5/16 HEX (GR8)
4	22	87328-04	WASHER ~ 5/16 LOCK (SPRING STEEL)
4	23	90871	WASHER ~ 5/16 FLAT (STEEL)
2	24	83065	WASHER ~ 1/4 LOCK (SPRING STEEL)
2	25	83144	BOLT ~ 1/4-20 X 1/2 HEX (GR8)

[*] REFERENCE HOSE KIT - 137465-04 FOR SB-2500B
147300-04 FOR SB-1500B

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A		06/13/00	ITEM 13 WAS (89697)16 JIC X 12 SAE MALE CON.		
1			QTY X 1; ADDED ITEMS 28 THRU 30		TRH
B		08/07/00	B.O.M. CORRECTIONS	SW	
C		06/29/01	B.O.M. CORRECTIONS & ADDED GRAPHICS TO DWNG		TRH

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

ROADTEC

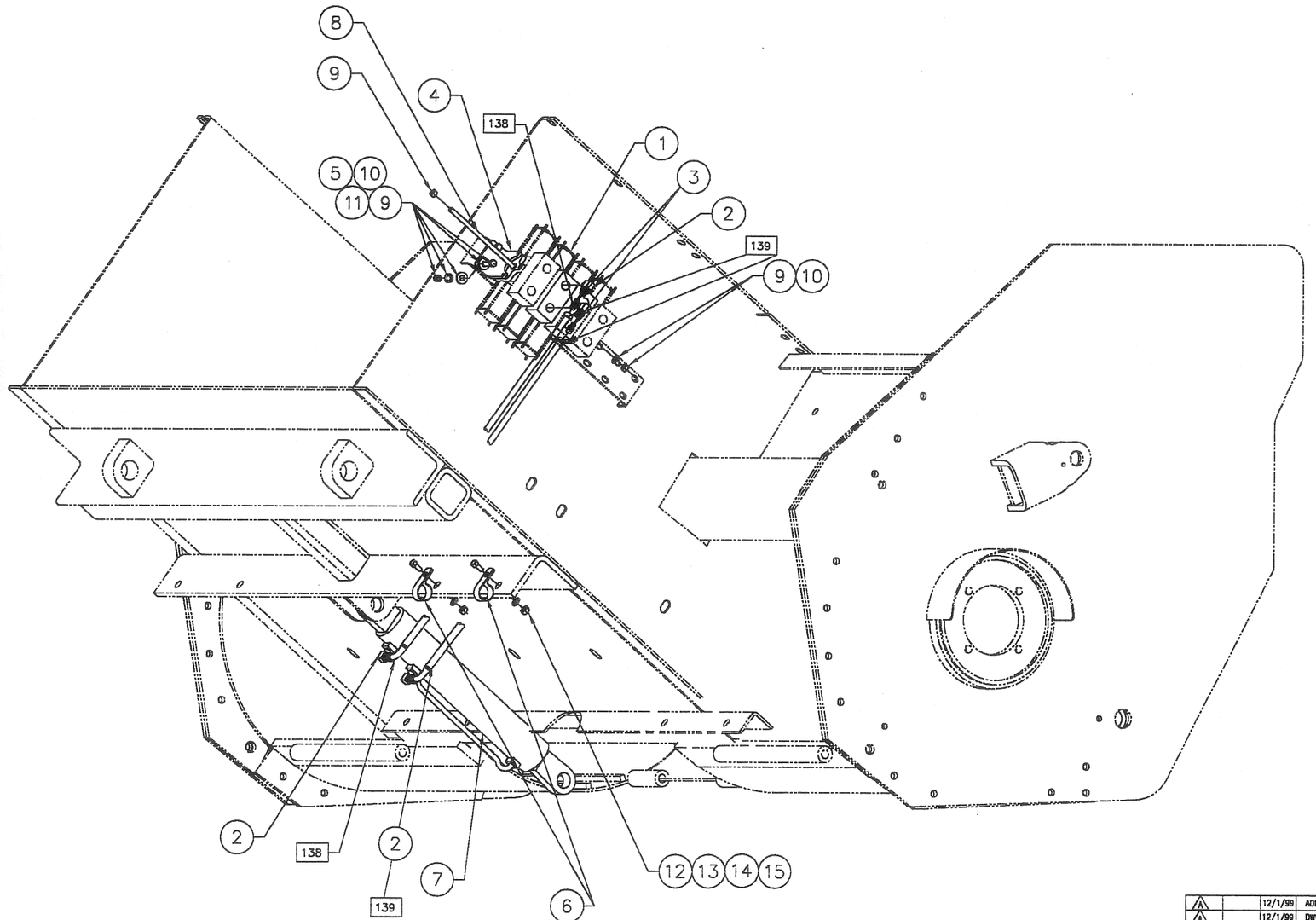
PART NAME: FUME CONTROL HYDRAULIC ASSEMBLY

01 REQ'D PER SB-2500B | SHEET NO: 1 of 1 | FAB CODE: 615 | EFFECTIVE S/N: 526

DRAWN BY: TRH | CHECKED BY: | SCALE: 1/8 | DATE: 02/01/00 | DWG NO: 143490-02 | REV.: C

QTY	ITEM	IDENT	DESCRIPTION
1	1	97553	VALVE • SOLENOID RACINE
4	2	B4426-04	FIT • 6 JIC - 8 SAE 90 DEG. MALE
2	3	135409-04	FIT • REST 6 JIC X 1/32"ORIFICE ST
2	4	B6231-04	VALVE • BRACKET
A 8	5	B3757	WASHER • FLAT 3/8"
2	6	16P29	CLAMP • BOLT SIZE 1/2"HOSE
1	7	B3322-01	CYL • 3"BORE 15 3/4 STROKE
A 3	8	B6192	ALLTHREAD • 3/8-16 x 11" LG.
A 10	9	B3055	NUT • 3/8"-16 HEX GRADE 8
A 4	10	B3056	WASHER • LOCK 3/8" SPRING STEEL
4	11	B9816	BOLT • HEX 3/8"-16 X 1 1/4"
A 2	12	B9142	BOLT • HEX 1/2 X 1 3/4
A 2	13	B3288	NUT • HEX 1/2 - 13
A 2	14	B3317	WASHER ~ LOCK 1/2
A 4	15	B3781	WASHER ~ FLAT 1/2

• SEE : C1 CONVEYOR CLEAN - OUT DOOR HYDRAULICS HOSE KIT ~ 2500HOSEKIT 10 REV B



B	QTY	FAB	MACHINE
	1	615	SB-2500B
	1	615	MTV-1000B

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'EL BY	APPR. BY
A		12/1/99	ADDED PICTURE TO AUTOCAD & FOR BOARD	HB	
A		12/1/99	DWG. SEE OBSOLETE FILE MADE CHG. TO AGREE	W/SHOP	
B		3/22/00	ADDED TEXT TO DWG.	SW	TRH
C		3/22/00	ITEM 8 WAS 8 1/2"	SW	TRH
D		08/03/00	DEL. ITEM 12 2-(HEX ~ BOLT 3/8-16 X 1)		
		08/03/00	ITEM 5 WAS QTY. 10, ITEM 9 WAS QTY. 12.		
		08/03/00	ADDED ITEMS 12 THRU 15.	SW	

ROADTEC

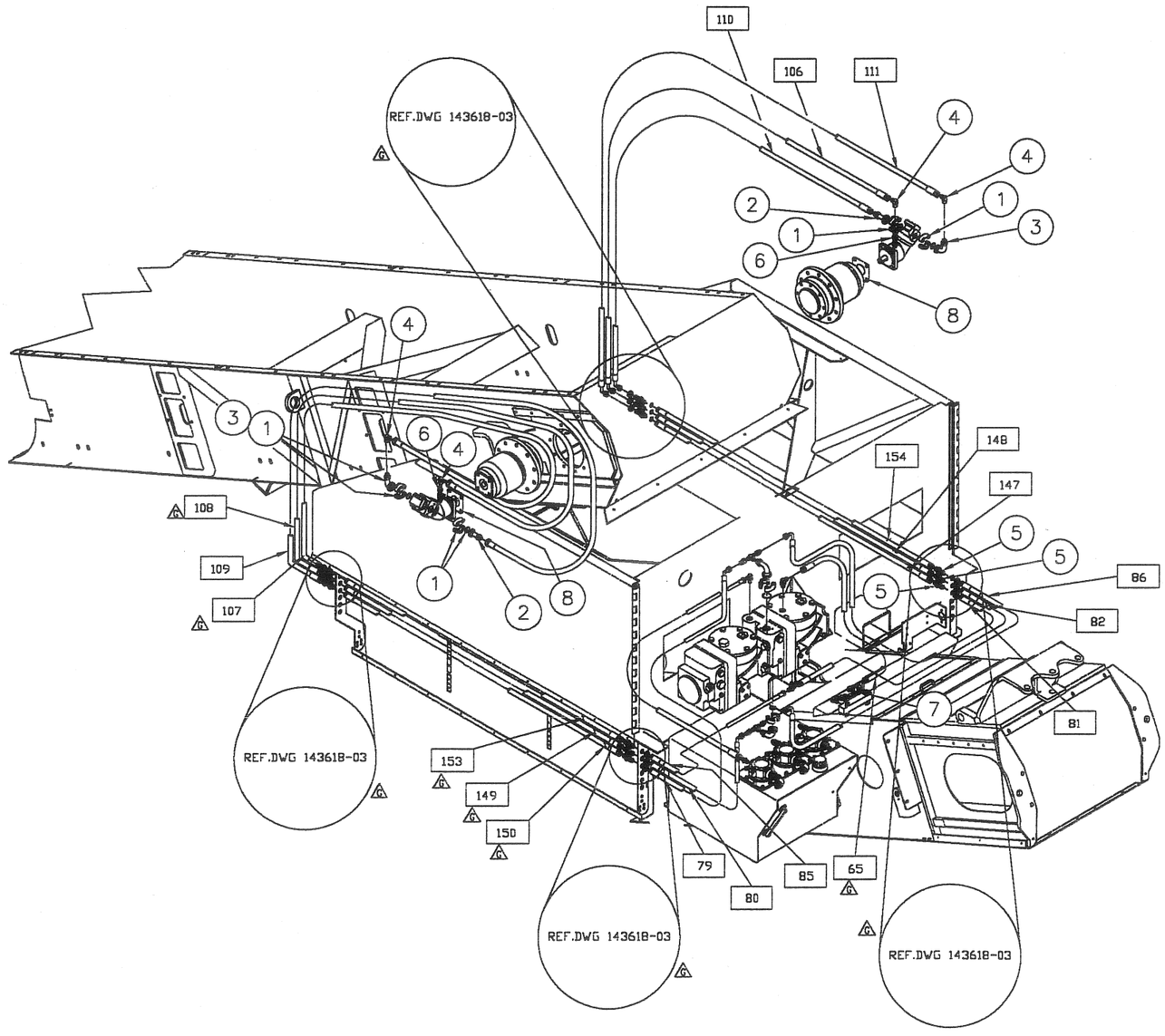
PART NAME: C1 CONVEYOR CLEAN-OUT DOOR HYDRAULICS

REQ'D PER: SEE ABOVE | SHEET NO: 1 of 1 | FAB CODE: 615 | EFFECTIVE S/N: 261

DRAWN BY: HB | CHECKED BY:

SCALE: NTS | DATE: 12/1/99 | DWG NO: 129219-01 | REV: D

QTY	ITEM	IDENT	DESCRIPTION
4	1	90729	KIT ~ 16 FLANGE
2	2	97568	16 FLANGE x 12 JIC ST. CODE 62
2	3	83868-04	16 FLANGE - 12 JIC 90° CODE 62
4	4	83764-04	ELBOW 90° ~ FEMALE SWIVEL 12 JIC - 12 JIC MALE
A REF.	5	83476-04	12 JIC ST. BULKHEAD
2	6	83458-04	FITTING ~ CONNECTOR 8 SAE MALE - 12 JIC MALE
1	7	85490-04	ELBOW 90° ~ 12 JIC - 3/4 NPT MALE
A 2	8	130086-C1	GASKET~(AUSCO BRAKE)FOR DRIVE MOTORS



E		11/30/99	ADDED DWG. TO AUTOCAD AS SHOWN SEE		
D			OBSOLETE FILE FOR OLD BOARD DWG.	HB	
C		06/13/00	ADDED ITEM 8		TRH
B		08/04/00	CHANGED ITEM 5 TO REF. WAS QTY. 12.		
A		08/04/00	CORRECTED HOSE REF.#'S	SW	
REV.	E.C.N.	DATE	REVISIONS	CHK'D BY	APPR. BY

all fractional dim's ± 1/32" ~ all decimal dim's ± .005 unless noted

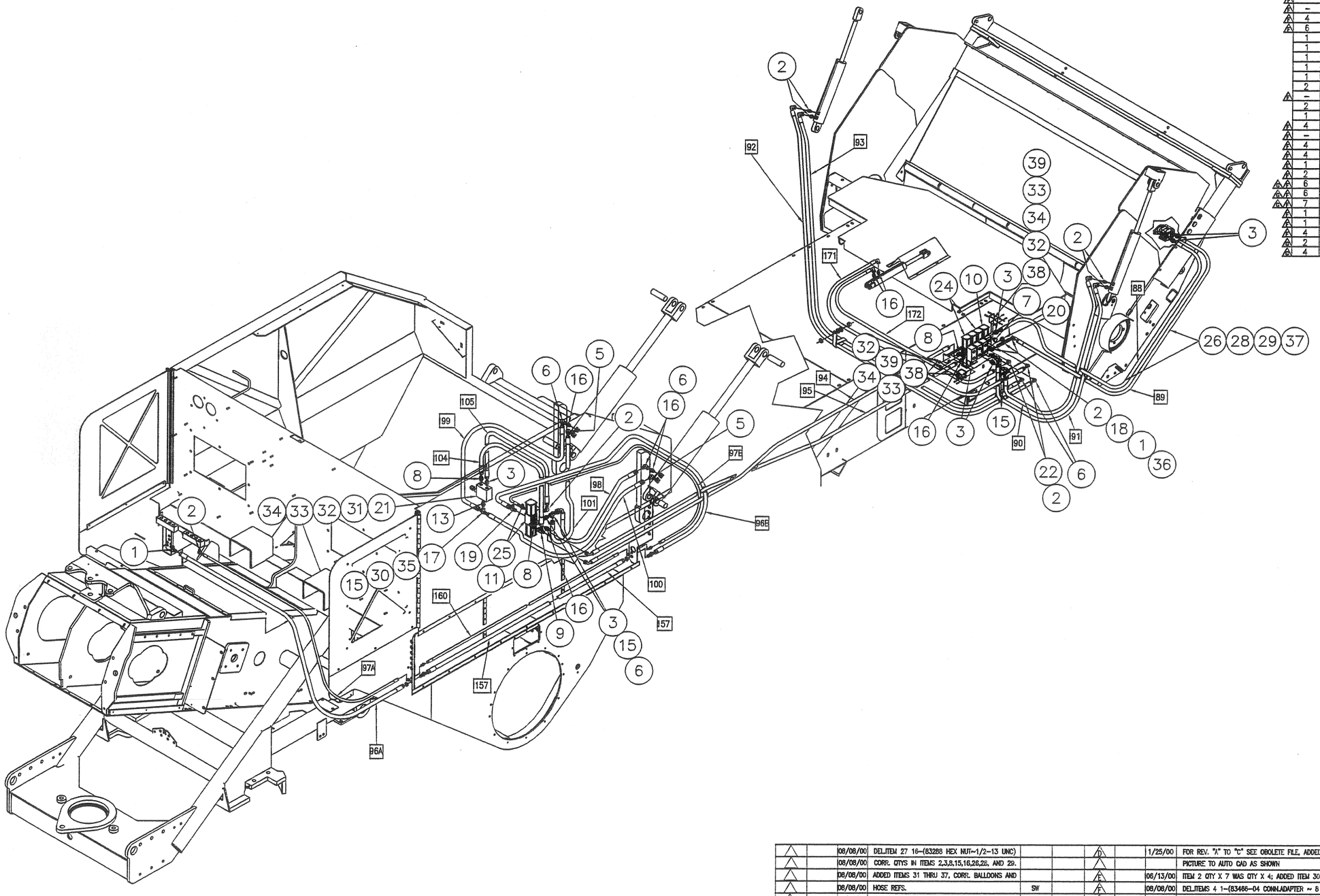
ROADTEC

PART NAME: C-1 DRIVE HYDRAULICS

1 REQ'D PER: SB2500B | SHEET NO: 1 of 1 | PAR CODE: 615 | EFFECTIVE S/N: 206

DRAWN BY: HB | CHECKED BY:

SCALE: 1/16=1 | DATE: 11/30/99 | DWG NO: 120743-01 | REV: G



	QTY	ITEM	IDENT	DESCRIPTION
	2	1	83460-04	CONNECTOR ELBOW 90° ~ 8 JIC - 8 SAE
AA	8	2	84426-04	CONNECTOR ELBOW 90° ~ 6 JIC - 8 SAE
A	8	3	83469-04	CONNECTOR ST. ADAPTER ~ 6 JIC - 8 SAE
A	-	4		
	2	5	83734-04	CONNECTOR ELBOW 90° ~ 6 JIC - 6 SAE
	4	6	83953-04	CONNECTOR SWIVEL ELBOW 90° ~ 6 JIC
	1	7	83767-04	PLUG ~ 8 SAE
A	3	8	83459-04	CONNECTOR ST. ADAPTER ~ 8 JIC - 8 SAE
	1	9	84638-04	CONNECTOR SWIVEL RUN TEE ~ 8 JIC
	1	10	96550-04	VALVE VIBRATOR
	1	11	99491-03	VALVE~ HOPPER, C-1 LIFT, & BAFFLE
A	-	12		
A	-	13		
A	-	14		
A	4	15	84636-04	CONNECTOR SWIVEL RUN TEE ~ 6 JIC
A	6	16	83735-04	CONNECTOR ST. ADAPTER ~ 6 JIC - 6 SAE
	1	17	89598	CONNECTOR SWIVEL BRANCH TEE ~ 6 JIC
	1	18	131623-04	VALVE ~ FLOW CONTROL
	1	19	83766-04	CONNECTOR 8 JIC X 8 SAE RUN TEE
	1	20	84635-04	PLUG ~ 6 SAE
	1	21	126763-04	REDUCING VALVE
	2	22	135775-04	1/16" ORIFICE
A	-	23		
	2	24	97553	VALVE - SOLENOID W/DUAL PILOT CHECKS
	1	25	91665-04	CONNECTOR 6 JIC X 6 SAE RUN TEE
A	4	26	16P29	HOSE CLAMP ~ 1/2" BOLT SIZE
A	-	27		
A	4	28	83317	LOCK WASHER ~ 1/2" SPRING STEEL
A	4	29	83781-04	FLAT WASHER ~ 1/2" STEEL
A	1	30	131680-04	FIT ~ 6 JIC TEST PORT
A	2	31	121200	BOLT ~ HEX 3/8 X 3
AA	6	32	83055	NUT ~ HEX 3/8
AA	6	33	83056	WASHER ~ LOCK 3/8
AA	7	34	83757	WASHER ~ FLAT 3/8
A	1	35	85949-04	TEST PORT CAP
A	1	36	122188	FIT ~ 8 SAE-8 JIC SW.ST.
A	4	37	86164	BOLT ~ HEX 1/2 X 1 1/4
A	2	38	86231-04	VALVE * BRACKET
A	4	39	89816	BOLT * HEX 3/8-16 X 1 1/4"

* FOR HOSES SEE : (SB-2500 HOSE KIT) 137465-04

FOR HOSES SEE : (SB-2500 HOSE KIT) 137465-04

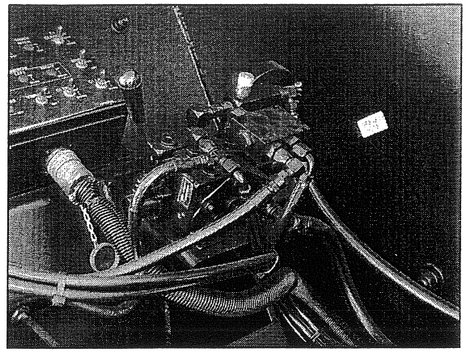
all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

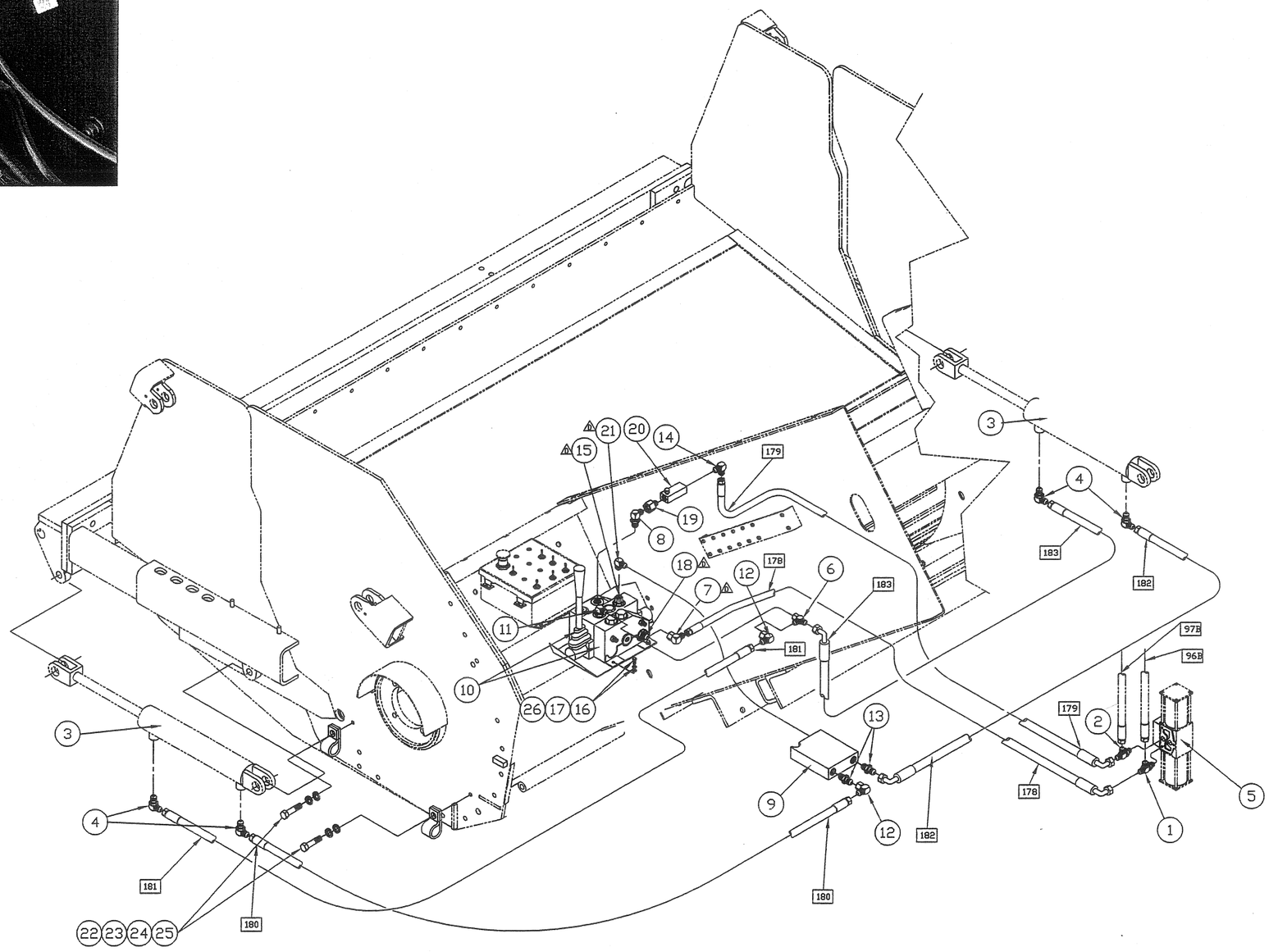
REV.	E.C.N.	DATE	REVISIONS	CHK'D. BY	APPR. BY
A		08/08/00	DEL.ITEM 27 16-(83288 HEX NUT~1/2-13 UNC)		
A		08/08/00	CORR. QTYS IN ITEMS 2,3,8,15,16,26,28, AND 29.		
A		08/08/00	ADDED ITEMS 31 THRU 37, CORR. BALLOONS AND		
A		08/08/00	HOSE REFS.	SW	
B		10/11/00	ADDED ITEM 38,AND 39, ITEM 32 WAS QTY.4.		
A			ITEM 33 WAS QTY.4,ITEM 34 WAS QTY.2.	SW	

REV.	E.C.N.	DATE	REVISIONS	CHK'D. BY	APPR. BY
D		1/25/00	FOR REV. "A" TO "C" SEE OBOLETE FILE, ADDED		
A			PICTURE TO AUTO CAD AS SHOWN	HB	
E		06/13/00	ITEM 2 QTY X 7 WAS QTY X 4; ADDED ITEM 30		TRH
F		08/08/00	DEL.ITEMS 4 1-(83466-04 CONN.ADAPTER ~ 8 JIC ~ 1/2NPT)		
A		08/08/00	DEL.ITEM 12 2-(83453-04 CONN. ST.BULKHEAD 8 JIC)		
A		08/08/00	DEL. ITEM 14 2-(83475-04 CONN.ST.BULKHEAD 6JIC)		
A		08/08/00	DEL. ITEM 23 2-(135409-04 1/32 ORIFICE)		

ROADTEC

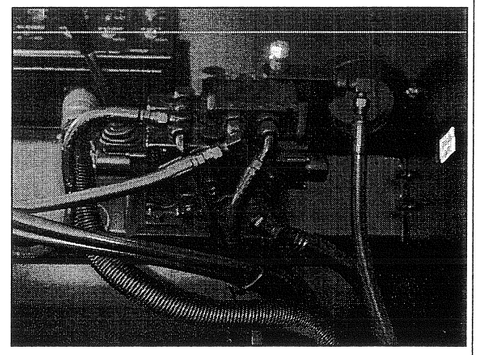
PART NAME	SB-2500 HYDRAULIC'S C-1 LIFT, DUMP, VIB., & BAFFLE
1 REQ'D PER	SB-2500
SHEET NO	1 of 1
FAB CODE	615
EFFECTIVE S/N	335
DRAWN BY	MSD
CHECKED BY	
DWG NO	134569-01
REV.	G
SCALE	1/16=1
DATE	9/09/97





QTY	ITEM	IDENT	DESCRIPTION
REF.	1	83766-04	FIT. ~ RUN TEE ~ 8 SAE x 8 JIC
REF.	2	91665-04	FIT. ~ RUN TEE ~ 6 SAE x 6 JIC
REF.	3	97482-01	HYDRAULICS CYLINDER
4	4	83734-04	FIT. ~ ELBOW 90° ~ 6 SAE x 6 JIC ~ MALE
REF.	5	99491-03	VALVE ~ SOLENOID
1	6	84636-04	SWIVEL RUN TEE ~ 6 JIC
1	7	83732-04	FITTING * ELBOW 8 JIC M ~ 8 F 90° SW
1	8	92987	FIT. ~ ELBOW 90° ~ 10 SAE x 6 JIC
1	9	136312-03	VALVE ~ FLOW DIVIDER 50/50 SPLIT
1	10	137458-04	VALVE ~ V10 MANUAL DIR. CONTROL
1	11	84426-04	FIT. ELBOW 90° ~ 8 SAE x 6 JIC
2	12	83953-04	FIT. ~ FEMALE SWIVEL ELBOW 90° ~ 6 JIC
2	13	83469-04	FIT. ~ CONNECTOR ~ 8 SAE MALE x 6 JIC
1	14	85462-04	FIT. ELBOW 90° ~ 6 JIC x 1/4" NPT
1	15	122168	FIT ~ CONN. 8 SAE ~ 8 JIC SW.ST.
4	16	89988-04	HEX. BOLT ~ 1/4"-20 UNC x 3/4 LG.
4	17	83065	LOCK WASHER ~ 1/4" I.D. NOM. SPRING STEEL
1	18	83704-04	FITTING * CONNECTOR 8 JIC ~ 10 SAE ST.
1	19	86622-04	FIT. ~ CONNECTOR ~ 6 JIC SWIVEL x 1/4 NPT
1	20	26N99	VALVE ~ FLOW CONTROL 3 GPM 3000 PSI
1	21	83460-04	FIT ~ 8 JIC M X 8 SAE M 90°
4	22	16P29	CLAMPS ~ BOLT SIZE 1/2 HOSE
4	23	86164	BOLT ~ HEX 1/2 X 1 1/4
4	24	83781-04	WASHER ~ FLAT 1/2
4	25	83317	WASHER ~ LOCK 1/2
4	26	88444	WASHER ~ FLAT 1/4

FOR HOSES SEE (SB-2500 HOSE KIT) : 137465-04



QTY	FAB	IDENT
1	602	SB-2500B
1	602	MTV-1000B

all fractional dim's ± 1/32" ~ all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
E		08/03/00	ITEM 15 WAS 83459-04 1-(FIT * CONN. 8 JIC ~ 8 SAE M)		
D		08/03/00	ADDED ITEMS 22 THRU 26. CORR. BALLOONS.	SW	

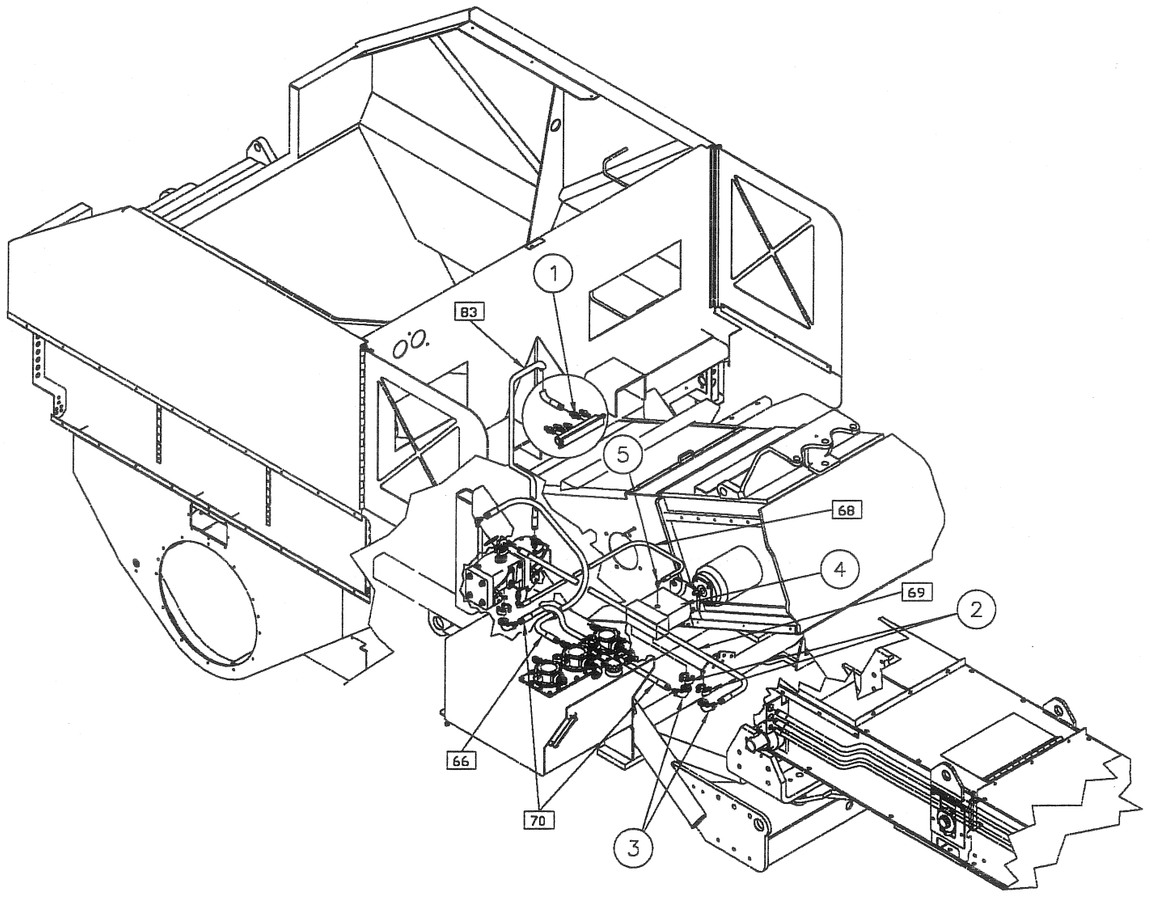
REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
B		11/17/99	ADDED DWG. TO AUTOCAD AS SHOWN SEE	HB	
B		"	OBSOLETE FILE FOR REV. "A"	"	
C		3/22/00	ADDED TEXT TO DWG.	SW	TRH
D		3/24/00	ITEM 7 WAS 8 JIC-8 SAE 90° (83460-04)		
			ITEM 18 WAS 8 SAE PLUG (83767-04)		
			ITEM 15 WAS 8 JIC ~ 8 SAE SW ST. (122168)	BY	
E		06/13/00	ADDED ITEM 21; ITEM 7 QTY X 1 WAS QTY X 2		TRH

ROADTEC

PART NAME	SB-2500B HYDRAULICS C1- HYD. PUSH ROLLER		
REQ'D PER		SHEET NO	1 of 1
DRAWN BY	CHECKED BY	FAB CODE	615
HB		EFFECTIVE S/N	000
SCALE	DATE	DWG NO	137606-01
NONE & 1/4	11/17/99	REV.	F

QTY	ITEM	IDENT	DESCRIPTION
1	1	85490-04	CONNECTOR - 12 JIC X 3/4 NPT90°
2	2	96765	20 FLANGE KIT - CODE 62
2	3	99945	20 FLANGE 45° x 20 JIC - CODE 62
1	4	99889	MOTOR - C2 - DRIVE (SAUER-SUNDSTRAND)
1	5	85875-04	ELBOW 90° - 16 SAE MALE x 12 JIC MALE

[¤] SEE SHUTTLE BUGGY HOSEKIT (C3 DRIVE) FOR HOSES



all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'D. BY	APPR. BY
C		12/20/99	ADDED DWG. TO AUTOCAD AS SHOWN SEE	HB	
B		"	OBSOLETE FILE FOR BOARD DWG. & REV. "A" & "B"	"	
A		08/02/00	ITEM 1 WAS (84002-04 CONNECTOR -12 JIC X		
A		08/02/00	3/4 NPT.	SW	

ROADTEC

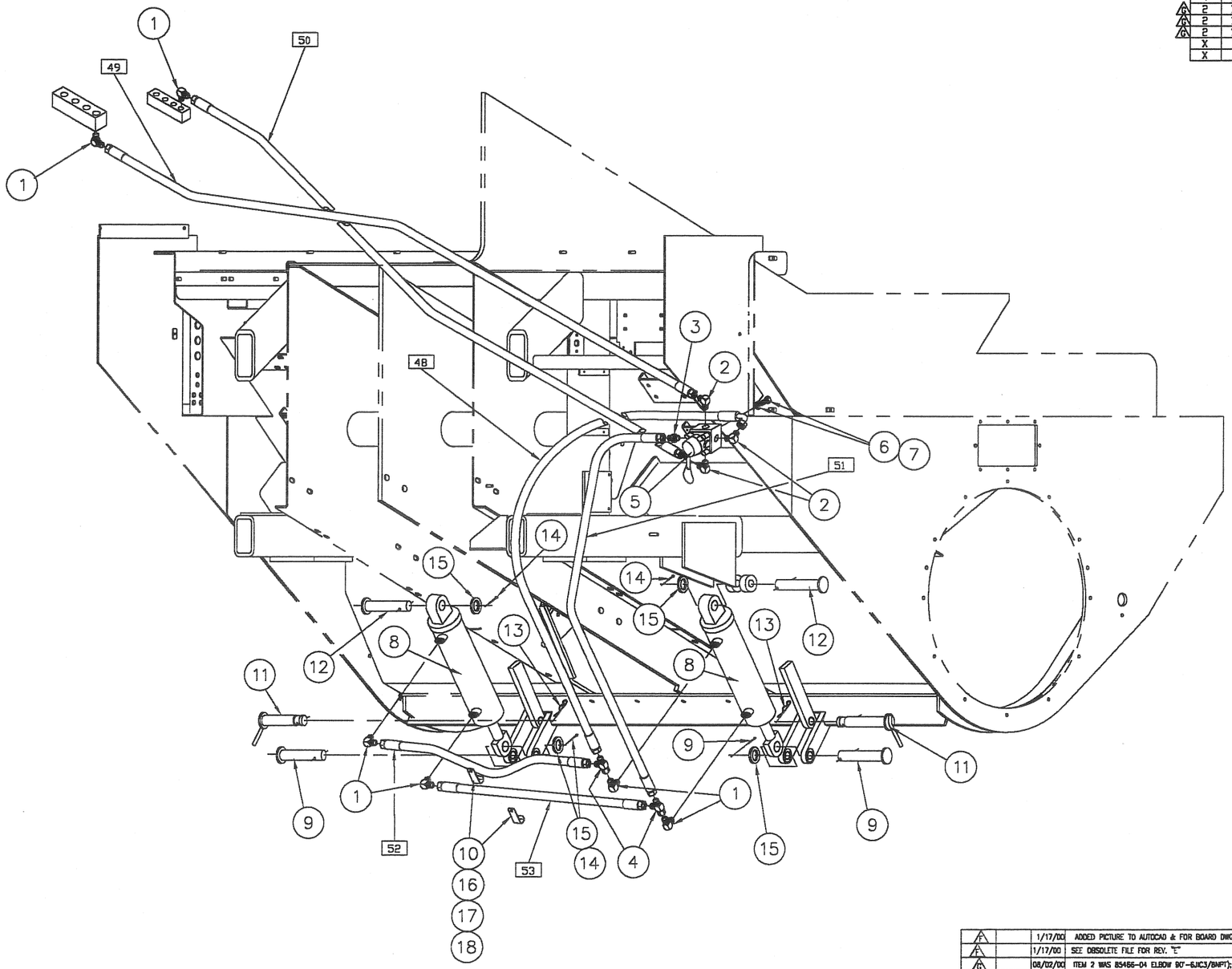
PART NAME: SB-2500B SHUTTLE BUGGY C-2 DRIVE HYDRAULICS

1 REQ'D PER SB2500B

DRAWN BY	CHECKED BY	SHEET NO	FMS CODE	EFFECTIVE S/N
BAILEY		1 of 1	615	204
SCALE: 1/16=1	DATE: 12/20/99	DWG NO: 120333-01	REV: D	

QTY	ITEM	IDENT	DESCRIPTION
6	1	84426-04	ELBOW 90° - 6 JIC - 8 SAE (MALE)
3	2	83734-04	ELBOW 90° - 6 JIC - 6 SAE
1	3	83735-04	CONNECTOR - 6 JIC - 6 SAE
2	4	84636-04	SWIVEL RUN TEE - 6 JIC
1	5	134239-04	VALVE - MANUAL CONTROL
4	6	89297	HEX BOLT - 5/16-18 UNC x 1 LG.
4	7	87328-04	LOCK WASHER - 5/16 I.D. NOM.
2	8	83326-01	CYLINDER - CONTROL GATE
2	9	129587-04	PIN C3 CYLINDER
2	10	16P29	CLAMP - BOLT SIZE 1/2 I.D. HOSE
2	11	121690-03	PIN - SAFETY BAR
2	12	129586-04	PIN - CYLINDER
2	13	144993-04-C1	3/16" LYNCH PIN
4	14	93915	PIN - COTTER 5/32" x 2" LG.
4	15	84119-04	FLAT WASHER - 2 1/2 O.D. x 1 1/16 I.D.
2	16	83288	HEXNUT - 1/2
2	17	83317	LOCK WASHER - 1/2
2	18	83781-04	FLAT WASHER - 1/2
X	X	X	X
X	X	X	X

SEE CLEANOUT DOOR HYD. HOSE KIT



REPLACES : 120334-01

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'E. BY	APPR. BY
F		1/17/00	ADDED PICTURE TO AUTOCAD & FOR BOARD DWG.	HB	
F		1/17/00	SEE OBSOLETE FILE FOR REV. "E"	HB	
G		08/02/00	ITEM 2 WAS 85486-04 ELBOW 90°-6JIC3/8NPT); ITEM 3 WAS		
			(89484-04) CON. - 6JIC -3/8 NPT MALE; ITEM 14 WAS QTY X 2;		
			ITEM 13 WAS (89034-04) QTY X 2;ADDED ITEMS 16 THRU 18.	SW	

ROADTEC

PART NAME: C2 CLEANOUT DOOR HYD.

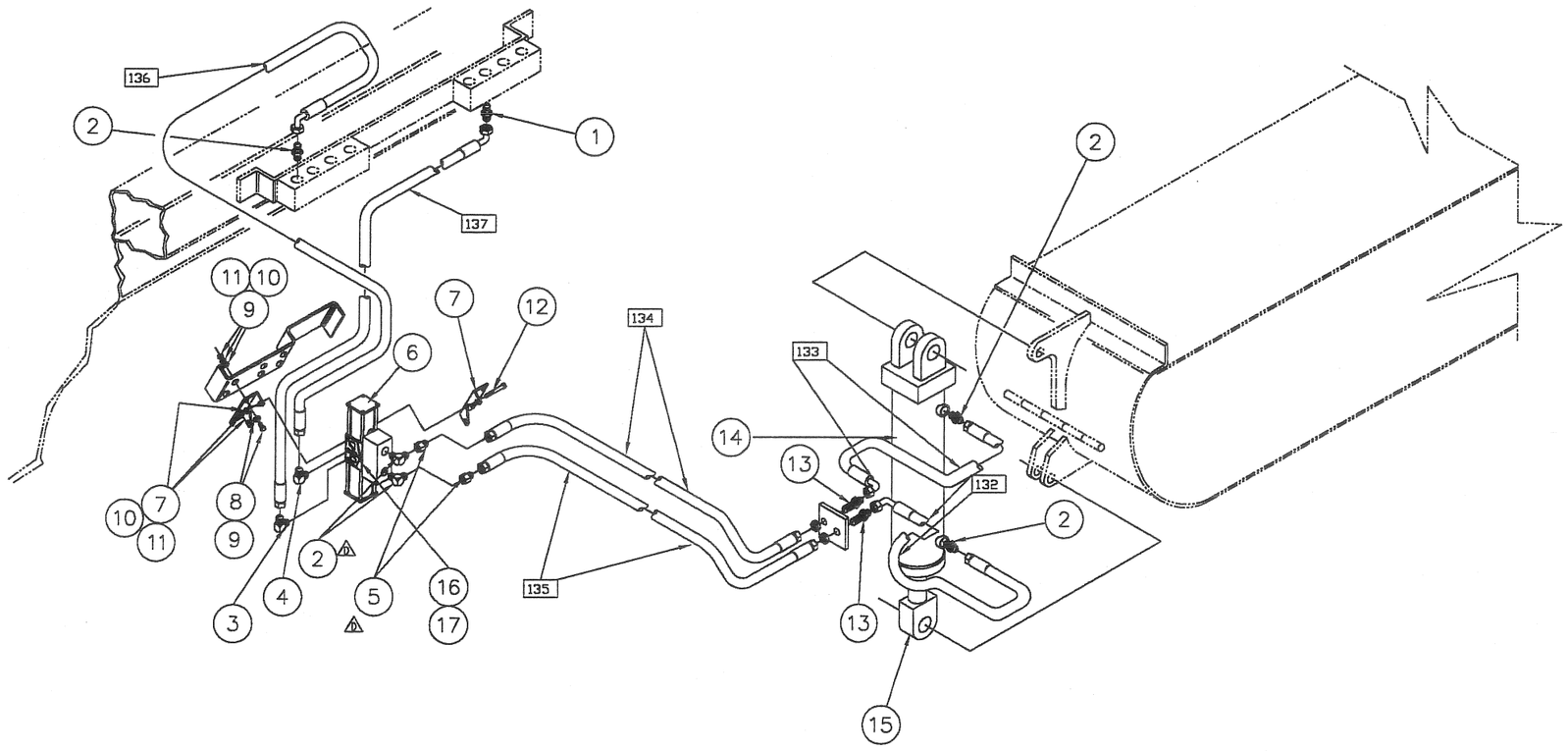
1 REQ'D PER SB2500 | SHEET NO: 1 of 1 | FAB CODE: 615 | EFFECTIVE S/N: 215

DRAWN BY: BUZZ/HB | CHECKED BY: | DWG NO: 121730-01 | REV: G

SCALE: 1/16=1 | DATE: 8/6/93

	QTY	ITEM	IDENT	DESCRIPTION
A	3	1	83469-04	CONNECTOR ST. ~ 6 JIC ~ 8 SAE (MALE)
A	3	2	84426-04	ELBOW 90° ~ 6 JIC ~ 8 SAE (MALE)
	1	3	83734-04	ELBOW 90° ~ 6 JIC ~ 6 SAE (MALE)
	1	4	83460-04	ELBOW 90° ~ 8 JIC ~ 8 SAE (MALE)
	2	5	135942-04	1/64 ORIFICE RESTRICTOR
	1	6	97553	SOLENOID VALVE ~ RACINE
	2	7	86231-04	BRACKET ~ VALVE
	4	8	96476	HEX. BOLT ~ 3/8-16 UNC x 1 1/4" LG.
	8	9	83757	FLAT WASHER ~ 3/8" I.D. NOM.
	4	10	83056	LOCK WASHER ~ 3/8" I.D. NOM.
	6	11	83055	HEX. NUT ~ 3/8-16 UNC (GRADE 8)
	2	12	121200	HEX. BOLT ~ 3/8-16 UNC x 3" LG.
	2	13	83475-04	BULKHEAD UNION ST.~ 6 JIC
	1	14	84473-02	CYLINDER ~ ARTICULATION
	1	15	83439-04	ROD END ~ FEMALE 1 1/4" (R. HAND TH'D.)
A	1	16	83767-04	FIT ~ PLUG 8 SAE
A	1	17	84635-04	FIT ~ PLUG 6 SAE
		18		
		19		
		20		

[*] SEE HOSEKIT FOR HOSES I.D.



all fractional dim's ± 1/32" ~ all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'K. BY	APPR. BY
C		12/2/99	ADDED PICTURE TO AUTOCAD & SEE OBSOLTE FILE	MB	
C		"	FOR REV. "A" & "B"	"	
B		08/03/00	ITEM 1 WAS 4, AND ITEM 2 WAS 2. ADDED ITEMS		
A		08/03/00	16, AND 17. CORR. BALLOONS.	SW	

ROADTEC

PART NAME: C-3 CLEANOUT DOOR HYDRAULICS

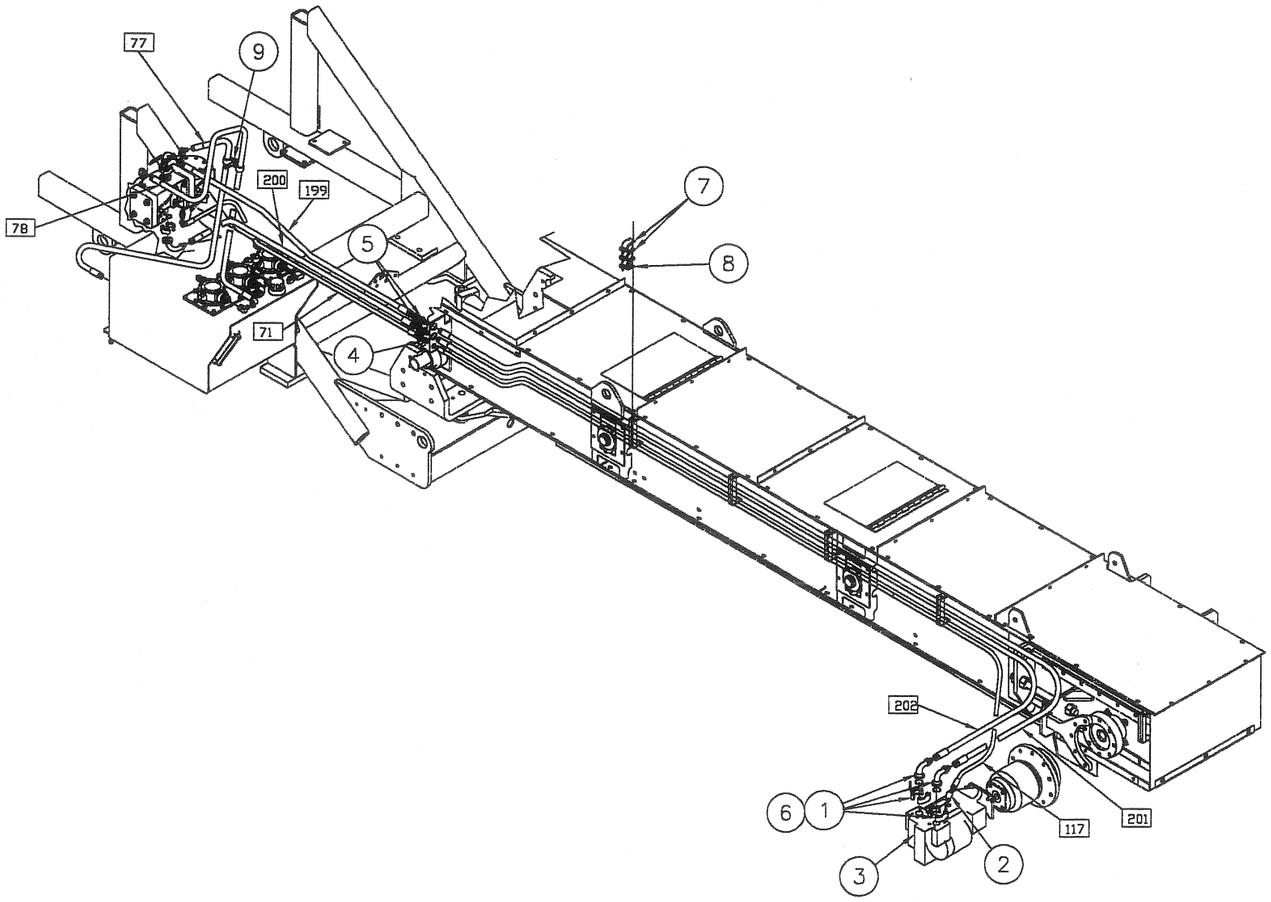
1 REQ'D PER SB2500B | SHEET NO: 1 of 1 | FAB CODE: 615 | EFFECTIVE S/N: 290

DRAWN BY: HB | CHECKED BY:

SCALE: 1/8=1 | DATE: 12/2/99 | DWG NO: 128973-01 | REV: D

QTY	ITEM	IDENT	DESCRIPTION
2	1	121517	16 FLANGE 45° CODE 62 x 16 JIC
1	2	120439	ELBOW 45° - 10 SAE x 12 JIC
1	3	91681-04	MOTOR - DRIVE (SAUER-SUNDSTRAND)
1	4	83476-04	BULKHEAD UNION - 12 JIC
2	5	89604	BULKHEAD UNION - 16 JIC
2	6	90729	16 FLG. KIT CODE 62
14	7	145538	CLAMP - MOUNTING FOR 1 1/2" O.D. HOSE
A 7	8	149015	CLAMP - MOUNTING FOR 1 1/8" O.D. HOSE
A 2	9	147412-04	CLAMP - 1 9/16" I.D. W/ 3/8 BOLT HOLE

[*] SEE SHUTTLE BUGGY HOSEKIT (C3 DRIVE) FOR HOSES



REPLACES DWNG# 127791-01 E.C.# 1057

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CHK'D. BY	APPR. BY
A		03/27/01	ADDED ITEM 9		TRH
B		08/28/01	ITEM 8 WAS 11K77 - MOUNTING CLAMP FOR 1" O.D.		TRH

ROADTEC

PART NAME: C-3 DRIVE HYDRAULICS

01 REQ'D PER59-25008

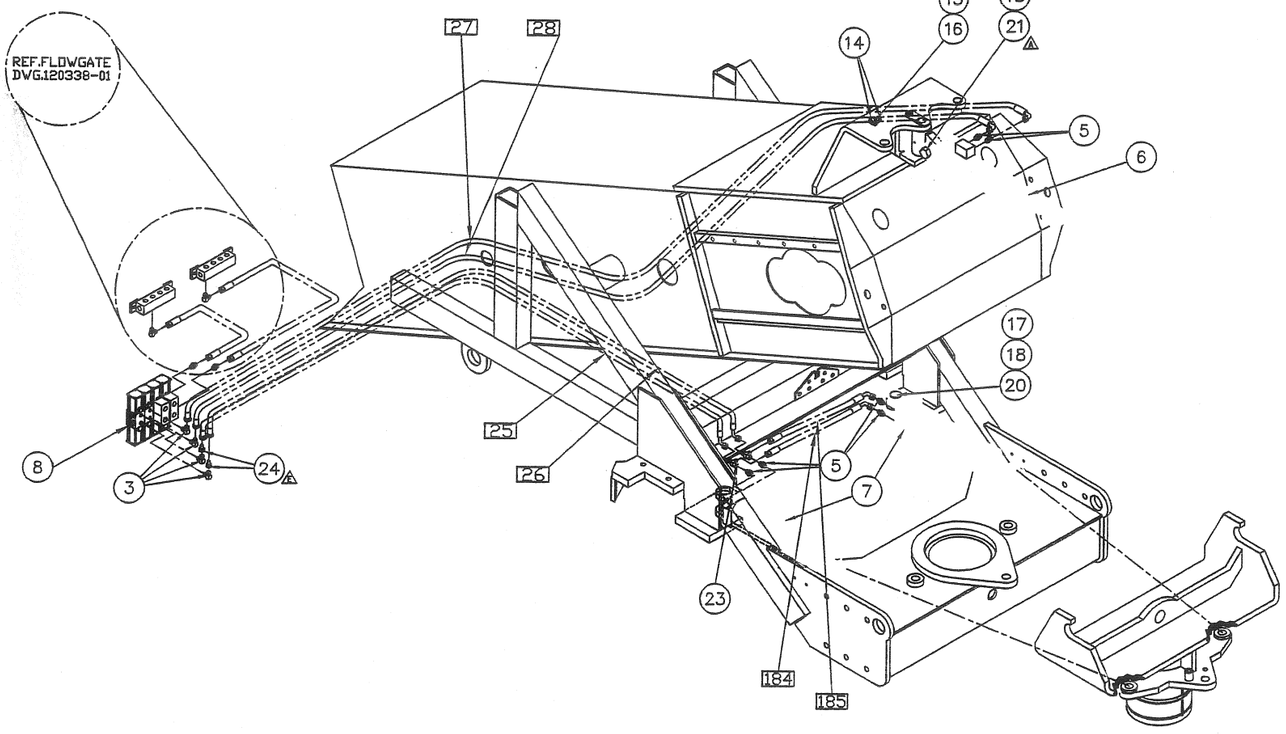
DRAWN BY: TRH | CHECKED BY:

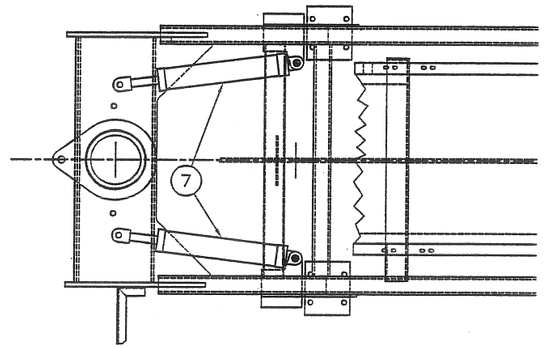
SHEET NO: 1 of 1 | FAB CODE: 615 | EFFECTIVE S/N: 585

SCALE: 1/16=1 | DATE: 10/19/00 | DWG NO: 145972-01 | REV: B

QTY	ITEM	IDENT	DESCRIPTION
1	1	83459-04	FIT = CONNECTOR 8 JIC X 8 SAE MALE
1	2	83460-04	FIT = ELBOW 8 JIC M X 8SAE 90 STEEL
4	3	84426-04	FIT = 6 JIC - 8 SAE 90 DEG. MALE
1	4	89773	BOLT = HEX 1/4"-20 X 1"
6	5	83735-04	FIT = ADAPTER 6 JIC - 6 SAE MALE
1	6	92784-01	HYDRAULIC CYLINDER (LIFT)
2	7	92841	CYL = C3 CONVEYOR SWING
2	8	99491-03	VALVE = SOLENOID W/PINS BOTH ENDS (12v)
-	9		
-	10		
-	11		
-	12		
-	13		
2	14	20K35	CLAMP = 5/8" DIA. X 1/2" WTH. X 1/4
1	15	84444	WASHER = FLAT 1/4" STEEL
1	16	83065	WASHER = LOCK 1/4" SPRING STEEL
2	17	129578-04	PIN = SWING CYL
2	18	70741	PIN = COTTER 3/16" X 2 1/2"
REF	19	129923	NUT = CASTLE 1 1/4-12 HEX SLOTTED
2	20	83032	WASHER = FLAT 1 1/2" N SERIES
REF	21	142106-04	MODIFIED BOLT
-	22		
2	23	84636-04	FIT = SWIVEL RUN TEE 6 JIC
2	24	136649-04	FIT - 3/32" ORIFICE
2	25	86231-04	VALVE = BRACKET

[E] REF.HOSE KIT





THIS DWG REPLACES 120336-01 E.C.#932

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CHK'D. BY	APPR. BY
A		08/04/00	ADDED REFS , AND CORRECTED BALLOONS.	SW	
E		08/25/00	DEL. ITEM 13 (1-135775-04 FIT = RESTRICTOR 6 JIC X		
A		08/25/00	1/16 ORIF). ADDED ITEM 24.	SW	
F		10/11/00	ADDED ITEM 25.	SW	

REV.	E.C.N.	DATE	REVISIONS	CHK'D. BY	APPR. BY
A		8/13/99	ITEM 21 WAS (1) 131799 HEX BOLT - 1 1/4-7 X 8"LG.	JP	
A		8/13/99	ITEM 19 WAS (1) 131790 CASTLE NUT - 1 1/4-7 UNC	JP	
A		8/13/99	QTY OF ITEM 18 WAS 3	JP	
B		9/25/99	ADDED HOSE LIST REFERENCE	JP	
C		10/8/99	ITEM 10 WAS (83283-04), HOSE = 3/8-37° ORS ST - ORS 90	JP	
C		10/8/99	ITEM 13 WAS (120660-04) ORIFICE (DRILLED) 1/16 DIA	JP	
D		08/04/00	ITEM 3 WAS QTY.5, ITEM 5 WAS QTY 7.		

ROADTEC

PART NAME: C3 SWING & LIFT HYD.

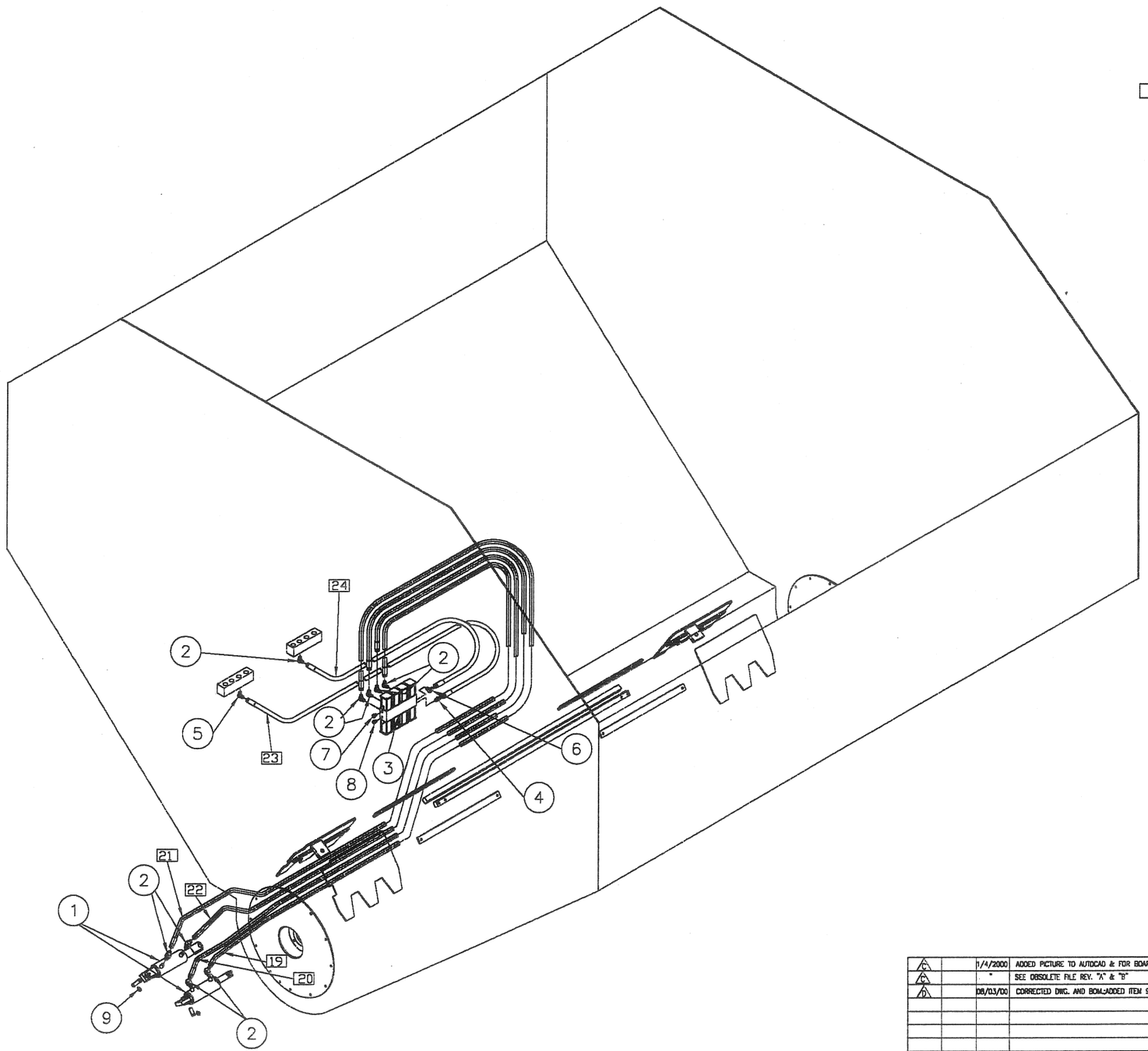
01 REQ'D PER SB-2500 | SHEET NO: 1 OF 1 | FAB CODE: 615 | EFFECTIVE S/N: 424

DRAWN BY: H.G. | CHECKED BY: | DWG NO: 139299-01 | REV: F

SCALE: 1/16=1 | DATE: 9/11/98

QTY	ITEM	IDENT	DESCRIPTION
2	1	121045-03	CYLINDER ~ FLOW GATE W/VITON SEALS
9	2	84426-04	ELBOW 90° ~ 8 SAE x 6 JIC
2	3	127232	VALVE ~ SOLENOID 12V W/THRMO RELIEF
1	4	83459-04	CONNECTOR ~ 8 SAE MALE x 8 JIC
1	5	83460-04	ELBOW 90° ~ 8 SAE x 8 JIC
1	6	83734-04	ADAPTER ~ 6 SAE x 6 JIC MALE90°
1	7	84635-04	PLUG ~ 6 SAE THIN HEAD
1	8	83767-04	PLUG ~ 8 SAE
4	9	144993-04-C	13/16" LYNCH PIN

[*] SEE SHUTTLE BUGGY HOSEKIT



all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'K. BY	APPR. BY
C		1/4/2000	ADDED PICTURE TO AUTOCAD & FOR BOARD DWG.	HB	
B		"	SEE OBSOLETE FILE REV. "A" & "B"	"	
A		08/03/00	CORRECTED DWG. AND BOM;ADDED ITEM 9	SW	

ROADTEC

PART NAME: SB-2500B SHUTTLE BUGGY FLOWGATE HYDRAULICS

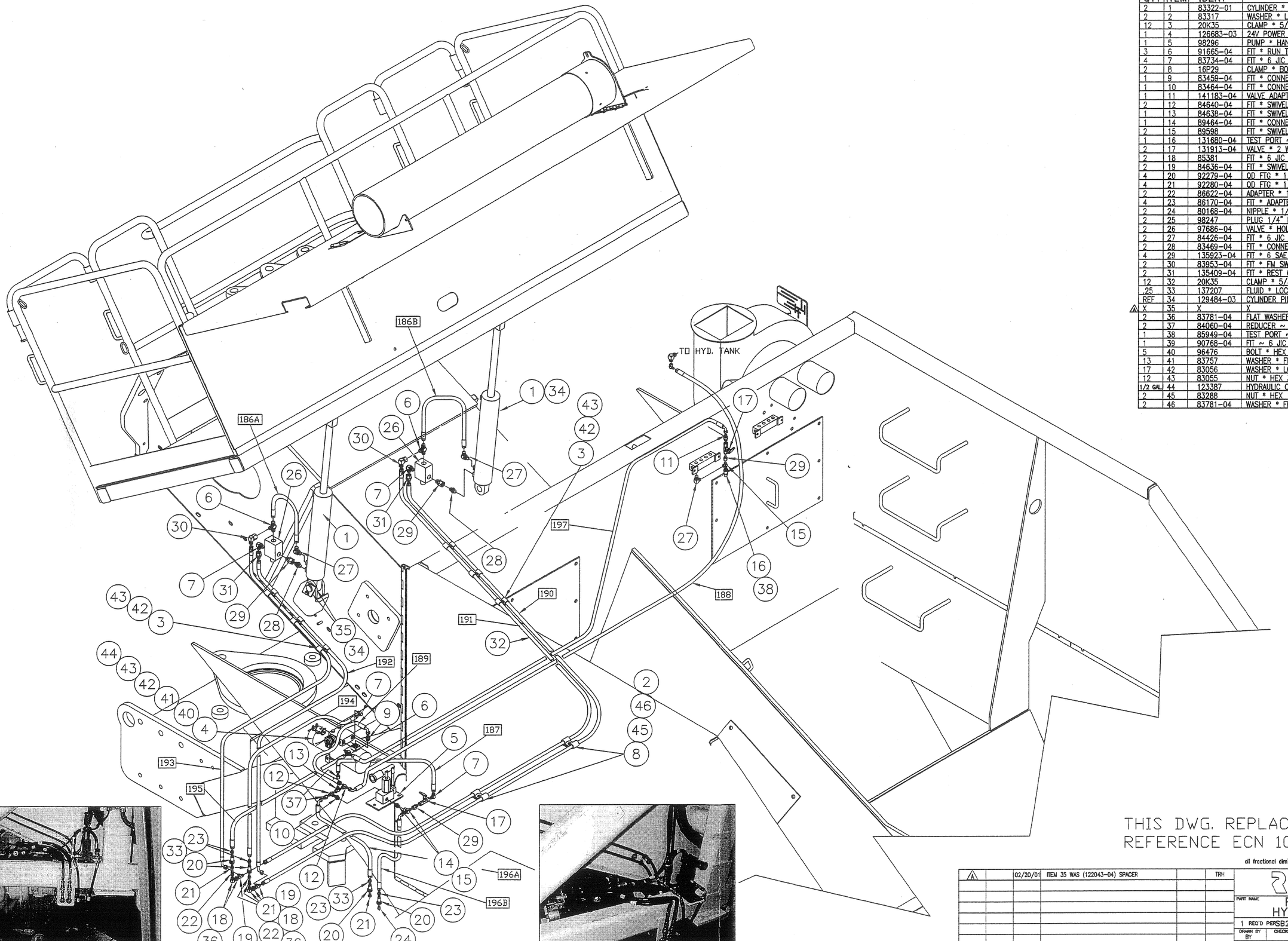
1 REQ'D PER SB2500B | SHEET NO: 1 of 1 | FAB CODE: 615 | EFFECTIVE S/N: 204

DRAWN BY: JR/BAILEY | CHECKED BY:

SCALE: 1/16=1 | DATE: 2/8/93

DWG NO: 120338-01 | REV: D

QTY	ITEM	IDENT	DESCRIPTION
2	1	83322-01	CYLINDER * 3" BORE 15 3/4" STROKE
2	2	83317	WASHER * LOCK 1/2" SPRING STEEL
12	3	20K35	CLAMP * 5/8" DIA.
1	4	126683-03	24V POWER PACK UNIT W/SAE BLOCK
1	5	98296	PUMP * HAND OPERATED SINGLE PISTON
3	6	91665-04	FIT * RUN TEE 6 JIC M - 6 SAE M
4	7	83734-04	FIT * 6 JIC - 6 SAE 90 DEG.
2	8	16P29	CLAMP * BOLT SIZE 1/2"HOSE
1	9	83459-04	FIT * CONNECTOR 8 JIC X 8 SAE MALE
1	10	83464-04	FIT * CONNECTOR 8 JIC -3/8 NPT MALE
1	11	141183-04	VALVE ADAPTER ~ 6 JIC CHECK
2	12	84640-04	FIT * SWIVEL BRANCH TEE 8 JIC
1	13	84638-04	FIT * SWIVEL RUN TEE 8 JIC
1	14	89464-04	FIT * CONNECTOR 6 JIC -3/8 NPT MALE
2	15	89598	FIT * SWIVEL BRANCH TEE 6 JIC
1	16	131680-04	TEST PORT ~ 6 JIC
2	17	131913-04	VALVE * 2 WAY BALL 6 SAE
2	18	85381	FIT * 6 JIC BULKHEAD 90 DEG.
2	19	84636-04	FIT * SWIVEL RUN TEE 6 JIC
4	20	92279-04	QD FTG * 1/4 NPT FEMALE
4	21	92280-04	QD FTG * 1/4 NPT MALE
2	22	86622-04	ADAPTER * 1/4 NPT M X 6 JIC F SW
4	23	86170-04	FIT * ADAPTER 6 JIC -1/4 NPT M.
2	24	80168-04	NIPPLE * 1/4" STEEL CLOSE
2	25	98247	PLUG 1/4" NPT CSK SOC. HD. BRASS
2	26	97686-04	VALVE * HOLDING FOR HOOD CYLINDER
2	27	84426-04	FIT * 6 JIC - 8 SAE 90 DEG. MALE
2	28	83469-04	FIT * CONNECTOR 6 JIC - 8 SAE MALE
4	29	135923-04	FIT * 6 SAE MALE - 6 JIC FEM SW.STR
2	30	83953-04	FIT * FM SWIVEL ELBOW 6 JIC 90 DEG.
2	31	135409-04	FIT * REST 6 JIC X 1/32"ORIFICE ST
12	32	20K35	CLAMP * 5/8" DIA X 1/2" WTH. X 1/4
25	33	137207	FLUID * LOCTITE GASKET ELIMINATOR
REF	34	129484-03	CYLINDER PINS
A X	35	X	X
2	36	83781-04	FLAT WASHER ~ 1/2" I.D. NOM.
2	37	84060-04	REDUCER ~ 8 JIC x 6 JIC
1	38	85949-04	TEST PORT ~ CAP
1	39	90768-04	FIT ~ 6 JIC 45° SWIVEL CONN
5	40	96476	BOLT * HEX 3/8-16 X 1 1/4 LG.
13	41	83757	WASHER * FLAT 3/8" STEEL
17	42	83056	WASHER * LOCK 3/8" SPRING STEEL
12	43	83055	NUT * HEX 3/8-16
1/2 GAL	44	123387	HYDRAULIC OIL AW46
2	45	83288	NUT * HEX 1/2-13
2	46	83781-04	WASHER * FLAT 1/2" STEEL



THIS DWG. REPLACES 142317-01
REFERENCE ECN 1041

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A		02/20/01	ITEM 35 WAS (122043-04) SPACER		TRH

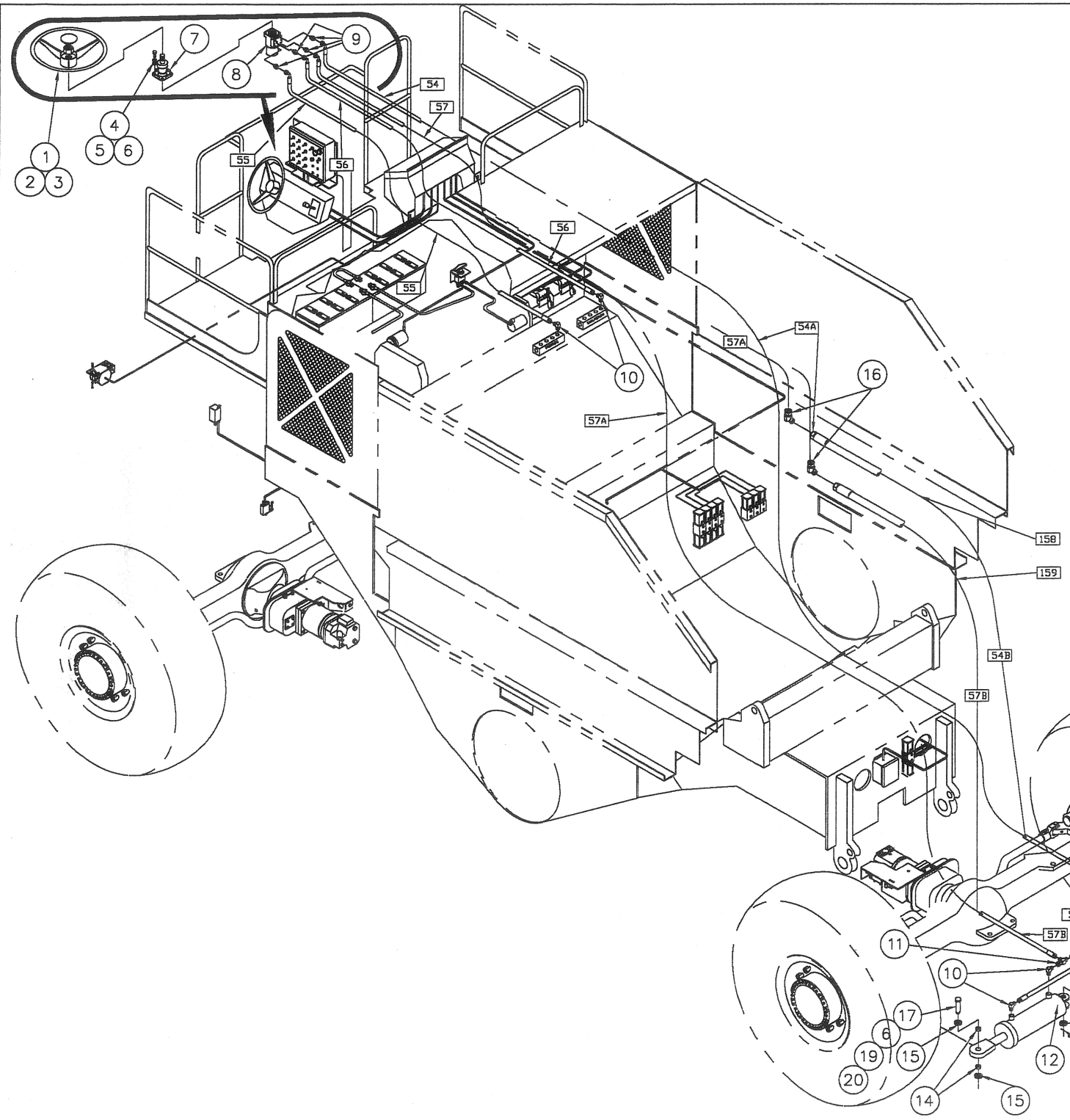
ROADTEC

PART NAME: PLATFORM RAISE HYDRAULIC ASSEMBLY

1 REQ'D PER: SB2500B | SHEET NO: 1 of 1 | FAS CODE: 615 | EFFECTIVE S/N: 571

DRAWN BY | CHECKED BY | DWG NO: 145361-01 | REV.: A

SCALE: 1/16 | DATE: 8/9/00



QTY	ITEM	IDENT	DESCRIPTION
1	1	03915	STEERING WHEEL CAP
1	2	89045	STEERING WHEEL NUT
1	3	03913	STEEERING WHEEL
4	4	83924	HEX BOLT ~ 3/8-16 x 1 1/2, GR. 8
4	5	83056	LOCKWASHER ~ 3/8
A 6	6	83757	FLAT WASHER ~ 3/8
1	7	80375-04	STEERING COLUMN
1	8	89048-04	STEERING VALVE
4	9	83469-04	FITTING ~ 6 JIC x 8 SAE ST
6	10	84426-04	FITTING, 6 JIC - 8 SAE 90 DEG. MALE
2	11	84636-04	FITTING ~ 6 JIC SWIVEL RUN TEE
2	12	130710-03	CYLINDER* STEERING SB2500 ROCKWELL AXLE
4	13	93817	COTTER PIN ~ 1/4 x 2 LG.
6	14	122043-04	SPACER
4	15	83032	WASHER* FLAT 1 1/2" N SERIES
A 2	16	90768-04	FIT ~ 6 JIC 45° SWIVEL
A 2	17	140175-04	STEERING CYLINDER PIN(INSIDE)
A 2	18	130686-04	STEERING CYLINDER PIN(OUTSIDE)
A 2	19	20N62	BOLT ~ HEX 3/8 X 5
A 2	20	92235	NUT ~ LOCK 3/8
A 2	21	89462-04	FIT ~ GREASE 1/8 NPT - 90°
	22		
	23		

[ ] REFERENCE HOSE KIT

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	DR'G. BY	APPR. BY
A		11/12/99	ADDED DWG. TO AUTOCAD AS SHOWN	HB	
B		05/13/00	ADDED ITEM 16		TRH
C		08/04/00	ITEM 6 WAS QTY.4, ADDED ITEMS 17 THRU 21.		
			CORR. BALLOONS AND HOSE REFERENCE NUMBERS.	SW	

ROADTEC

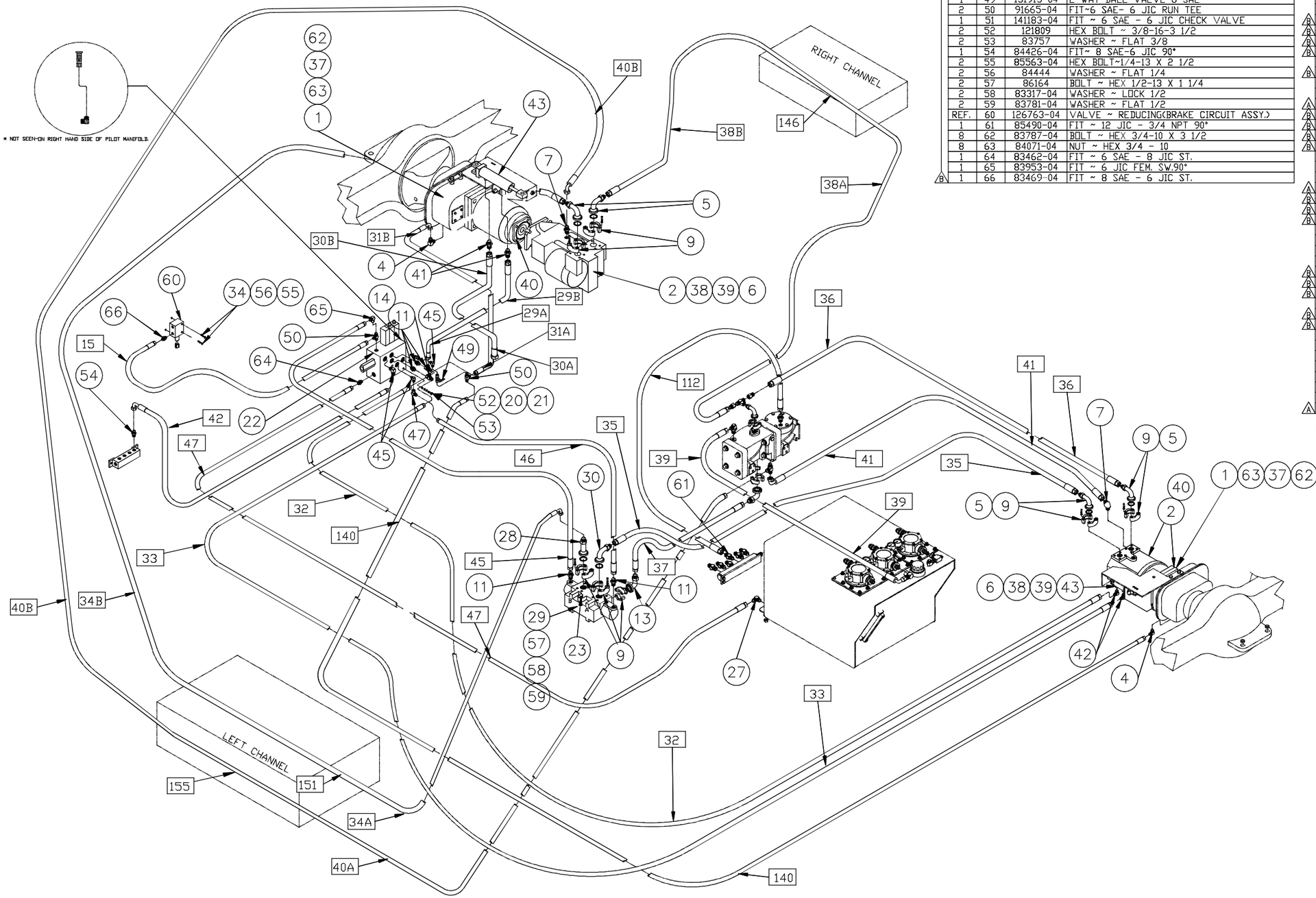
PART NAME: STEERING HYDRAULICS SB-2500B

1 REQ'D PER SB2500B | SHEET NO: 1 of 1 | FAB CODE: 615 | EFFECTIVE S/N: 310

DRAWN BY: SW | CHECKED BY:

SCALE: NONE(1=1) | DATE: 9/23/99

DWG NO: 131044-01 | REV: C



	QTY	ITEM	IDENT	DESCRIPTION
B	4	45	83734-04	FIT ~ 6 SAE - 6 JIC 90°
	1	46	85949-04	TEST PORT CAP
	1	47	83953-04	FIT ~ 6 JIC FEM SW.90°
	1	48	135923-04	FIT ~ 6 SAE M. 6 JIC F SW.ST.
	1	49	131913-04	2-WAY BALL VALVE 6 SAE
	2	50	91665-04	FIT~6 SAE- 6 JIC RUN TEE
	1	51	141183-04	FIT ~ 6 SAE - 6 JIC CHECK VALVE
	2	52	121809	HEX BOLT ~ 3/8-16-3 1/2
	2	53	83757	WASHER ~ FLAT 3/8
	1	54	84426-04	FIT~ 8 SAE-6 JIC 90°
	2	55	85563-04	HEX BOLT~1/4-13 X 2 1/2
	2	56	84444	WASHER ~ FLAT 1/4
	2	57	86164	BOLT ~ HEX 1/2-13 X 1 1/4
	2	58	83317-04	WASHER ~ LOCK 1/2
	2	59	83781-04	WASHER ~ FLAT 1/2
	REF.	60	126763-04	VALVE ~ REDUCING(BRAKE CIRCUIT ASSY.)
	1	61	85490-04	FIT ~ 12 JIC - 3/4 NPT 90°
	8	62	83787-04	BOLT ~ HEX 3/4-10 X 3 1/2
	8	63	84071-04	NUT ~ HEX 3/4 - 10
	1	64	83462-04	FIT ~ 6 SAE - 8 JIC ST.
	1	65	83953-04	FIT ~ 6 JIC FEM. SW.90°
B	1	66	83469-04	FIT ~ 8 SAE - 6 JIC ST.

	QTY	ITEM	IDENT	DESCRIPTION
	2	1	142483-01	BRAKE-MULTI-DISC-WET
	2	2	91681-04	MOTOR DRIVE
B	-	3		
B	2	4	83743-04	ELBOW 90° ~ 4 JIC - 4 SAE
	4	5	96751	#16 FLANGE 45° - 12 JIC ~ CODE 62
	8	6	83288	HEX. NUT ~ 1/2-13 UNC GRADE 8
B	2	7	120439	ELBOW 45° ~ 12 JIC - 10 SAE
B	-	8		
B	7	9	90729	#16 FLANGE KIT~CODE 62
B	-	10		
	4	11	83735-04	ADAPTER ~ 6 JIC - 6 SAE MALE
B	-	12		
	1	13	95981	#16 FLANGE 90°-20 JIC ~ CODE 62
	2	14	84636-04	SWIVEL RUN TEE ~ 6 JIC
A	X	15	X	X
B	-	16		
B	-	17		
B	-	18		
B	-	19		
	2	20	83056	LOCK WASHER ~ 3/8 I.D. NOM.
	2	21	83055	HEX. NUT ~ 3/8-16 UNC GRADE 8
	1	22	141893-03	VALVE ~ PILOT MANIFOLD
A	1	23	85396-04	FIT ~ 16 SAE PLUG (DIF LOCK)
B	-	24		
B	-	25		
B	-	26		
	1	27	89463-04	ELBOW 90° 8 JIC - 1/2 NPT MALE
	1	28	97568	#16 FLANGE ST. 12 JIC ~ CODE 62
	1	29	98877	VALVE ~ FLOW DIVIDER
	1	30	83868-04	#16 FLANGE 90° 12 JIC ~ CODE 62
B	-	31		
B	-	32		
B	-	33		
	2	34	83065	LOCK WASHER ~ 1/4 I.D. NOM.
B	-	35		
B	-	36		
	8	37	83752-04	LOCK WASHER ~ 3/4 I.D. NOM.
	8	38	83627	ALLTHREAD ~1/2-13 UNC x 4 1/4 LG.
	8	39	05707	CONICAL WASHER ~ HS12
	2	40	97489	O-RING KIT
	2	41	128646	ADAPTER ST. ~ 6 JIC x 1/8 NPT
	2	42	128645	ELBOW 90° ~ 6 JIC x 1/8 NPT
	2	43	130419	CYLINDER ~ 1.5 BORE x 1" STR .5 ROD
A	1	44	131680-04	FIT ~ 6 JIC TEST PORT

* SEE SHUTTLE BUGGY HOSEKIT FOR HOSES

THIS DWG. SAME AS 131229-01 EXCEPT FOR ITEM 1,22,&23
PER ECN : 1006, EFF. S/N 526

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A			ITEMS 20, AND 21 WERE QTY'S 6.	SW	

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A			DEL.ITEM 32 1-(83457-04 CON.ST.-12JIC-12SAE M.)		
A			DEL.ITEM 33 2-(10079 ALLTHREAD 1/4-20X 4 1/2LG.)		
A			DEL.ITEM 35 4-(92252 HEXBOLT-3/4-10UNCX 7 LG.)		
A			DEL.ITEM 36 4-(00891 HEXBOLT-3/4-10UNC X 1 3/4LG.)		
A			CORR.ITEMS 4,7,9,11,20, AND 21)		
A			ADDED ITEMS 45 THRU 66. ITEM 4 WAS QTY 1.		
A			ITEM 7 WAS QTY. 1,ITEM 9 WAS QTY.7,ITEM 11 WAS QTY.3.		

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A			DEL.ITEM 17 3-(83469-04 CON.-6JIC-8SAE M.)		
A			DEL.ITEM 18 4-(86231-04 VALVE-BRACKET)		
A			DEL.ITEM 19 6-(84332 HEXBOLT-3/8-16UNC.)		
A			DEL.ITEM 24 1-(84638-04 SWIVEL RUN TEE-8JIC)		
A			DEL.ITEM 25 1-(83459-04 CON.-8JIC-8SAE M.)		
A			DEL.ITEM 26 3-(89613 ADAPTER-6JIC M.-1/2NPTST.)		
A			DEL.ITEM 31 1-(91660 ELB.90°-16JIC-16SAE)		

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A		06/13/00	ITEM 15 WAS (84426-04) 6 JIC X 8 SAE 90° QTY X 3;		
A			ADDED ITEMS 23 & 44	TRH	
B		08/30/00	DEL ITEM 3-(85462-04ELB.90°-6 JIC-1/4NPT)		
A			DEL.8 1-(83705-04 CONN.-12 JIC-10SAE M.)		
A			DEL.ITEM 10 1-(84002-04 CON.-12JIC-3/4NPT M.)		
A			DEL.ITEM 12 2-(89772 HEX NUT-1/4-20UNC)		
A			DEL.ITEM 16 2-(83767-04 PLUG-8SAE)		

ROADTEC

PART NAME: DRIVE HYDRAULICS

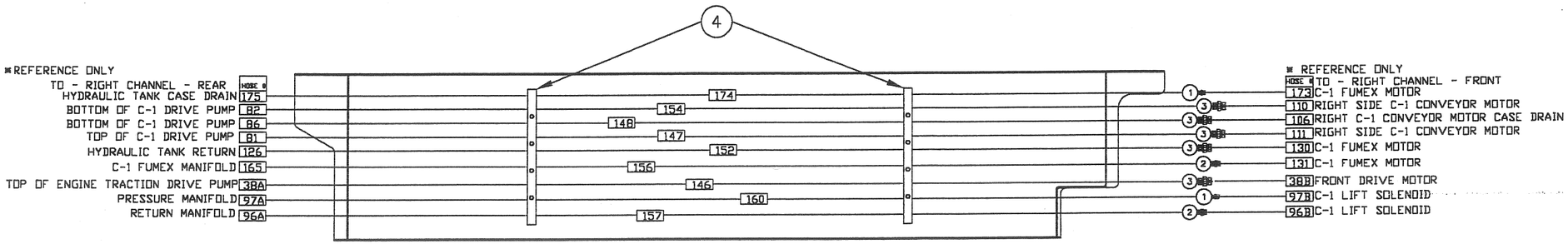
01 REQ'D PER SB-2500B

SHEET NO	FAB CODE	EFFECTIVE S/N
1 of 1	615	526

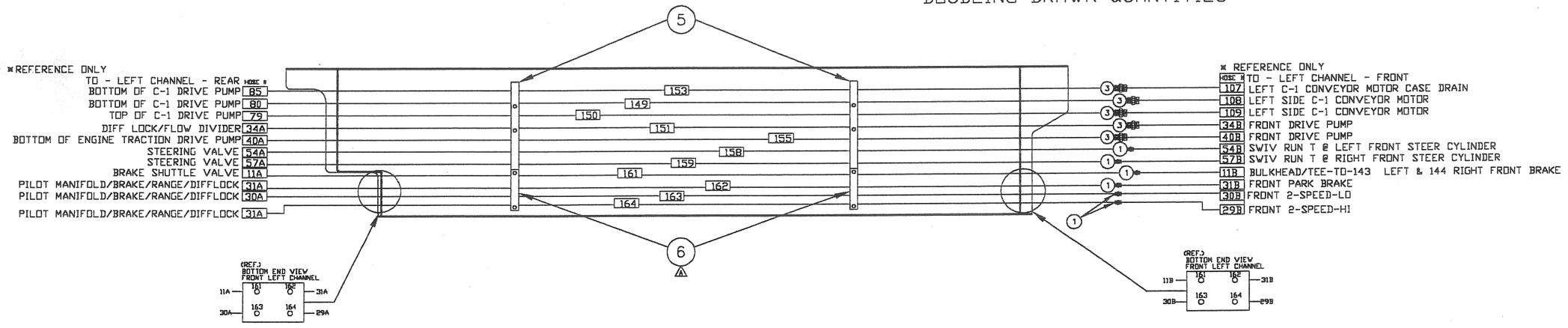
DRAWN BY	CHECKED BY	DWG NO	REV.
TRH		143494-01	B

SCALE: N/A — DATE: 02/01/00

QTY	ITEM	IDENT	DESCRIPTION
16	1	83475-04	FIT ~ UNION 6 JIC BULKHEAD
4	2	83453-04	FIT ~ UNION 8 JIC BULKHEAD
20	3	83476-04	FIT ~ UNION 12 JIC BULKHEAD
2	4	145705-03	HYD CHANNEL HOSE CLAMP ASSY "A"
2	5	145706-03	HYD CHANNEL HOSE CLAMP ASSY "B"
A 2	6	146486-03	HYD CHANNEL HOSE CLAMP ASSY "C"



FITTINGS ARE LOCATED ON BOTH ENDS OF CHANNELS THEREBY DOUBLING DRAWN QUANTITIES



all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A		06/04/01	ADDED ITEM 6		TRH

ROADTEC

PART NAME
HYDRAULIC CHANNEL ASSY.

01 REQ'D PER SB-2500B

SHEET NO	FAB CODE	EFFECTIVE S/N
1 of 1	615	585

DRAWN BY	CHECKED BY
TRH	

SCALE	DATE	DWG NO	REV.
1/64=1	11/11/00	146111-03	A

144422-01

BILL OF MATERIALS

DURST GEAR DRIVES, DURST DIV. REGAL BELOIT

ASSEMBLY DESCRIPTION: TRIPLE PUMP DRIVE

OPTIONS: RATIO 1.00 : 15

ENGINE ADAPTER, SAE# 3 OIL LEVEL (F)

SAE PUMP PADS (TOP, LL, LR) " B " " C " " C "

SAE SPLINE ADAPTERS (TOP, LL, LR) " BB " " D " " D "

ASSEMBLY NO. KF5-41-008

DATE: 3/5/100

SHEET 1 OF 3

FOR ASSEMBLY USE DRAWING KF5-41-008

ITEM	QTY	PART DESCRIPTION	PART NUMBER
1	1	HOUSING	1738-100
2	1	ENGINE ADAPTER, SAE# 3	1701-164
3	1	PUMP PADS (SAE B) POS. TOP, MOUNTED HORIZONTAL	1779-201
4	1	PUMP PADS (SAE C) POS. LL, MOUNTED HORIZONTAL	1779-202
5	1	PUMP PADS (SAE C) POS. LR, MOUNTED HORIZONTAL	1779-202
6	1	SPLINE ADAPTER (SAE BB) POS TOP (15T - 16/32)	1216-124
7	N/R	SPLINE ADAPTER (SAE D) POS LL (13T - 8/16)	INTEGRAL
8	N/R	SPLINE ADAPTER (SAE D) POS. LR (13T - 8/16)	INTEGRAL
9	3	RETAINING RING, EXTERNAL (5100-175)	4004-114
10	1	RETAINING RING, INTERNAL (N5000-87)	4004-507
11	N/R	RETAINING RING, INTERNAL	
12	N/R	RETAINING RING, INTERNAL	
13	1	GEAR, DRIVER 63 T	1808-146
14	2	GEAR, DRIVEN 55 T	1806-147
15	8	BEARING, CUP TIMKEN #382A	4223-501
16	8	BEARING, CONE TIMKEN #387A	4222-411
17	4	SEAL, C.R. #22361 High Temp. - (Viton)	4491-543
18	2	SHIM, .005 ALUMINUM (INPUT)	1913-138
19	2	SHIM, .007 ALUMINUM (INPUT)	1913-135
20	1	SHIM, .020 ALUMINUM (INPUT)	1913-136
21	6	SHIM, .005 ALUMINUM (PUMP PADS)	1912-183
22	6	SHIM, .007 ALUMINUM (PUMP PADS)	1912-184
23	3	SHIM, .020 ALUMINUM (PUMP PADS)	1912-185
24	4	O-RING, #169 (PADS) (INPUT)	4490-120
25	3	OIL CAP, GITS #00305	4400-135
26	N/R	STUD 3/4-10 UNC X 3 LG	1118-112
27	N/R	HEX NUT, 3/4-10 UNC	4054-302
28	32	SOCKET HEAD CAP SCREW, 3/4-10 UNC X 1 1/2	4040-801
29	6	HEX HEAD CAP SCREW, 1/2-13 UNC X 1 1/4	4042-503
30	5	LOCKWASHER, 1/2	4007-106
31	4	EXPANSION PLUG (GEARS)	4097-129
32	1	EXPANSION PLUG (HOUSING)	1672-103

FILENAME: KF541008 EDP#: TAKF541008

BILL OF MATERIALS

DURST GEAR DRIVES, DURST DIV. REGAL BELOIT

ASSEMBLY NO. KF5-41-008

SHEET 2 OF 3

ITEM	QTY	PART DESCRIPTION	PART NUMBER
33	1	DIPSTICK	2470-134
34	1	90 DEG. STREET ELBOW 3/4-14 NPT (BREATHER)	4412-724
35	1	REDUCING BUSHING, 3/4-3/8 NPT (BREATHER)	4411-107
36	1	BREATHER	4400-101
37	1	PIPE PLUG, 3/4 NPT SOCKET HEAD	4415-534
38	1	PIPE PLUG, 3/4 NPT SOCKET HEAD (MAGNETIC)	4411-525
39	3	PIPE PLUG, 1/2 NPT SOCKET HEAD	4411-512
40	1	NAME TAG	1963-152
41	1	CARDBOARD COVER, SAE B (SHIPPING)	4097-133
42	1	CARDBOARD COVER, SAE C (SHIPPING)	4097-134
43	1	CARDBOARD COVER, SAE C (SHIPPING)	4097-134
44	1	PIPE PLUG, 3/8 18 NPT HEX C'SUNK	4426-501
45	1	SHAFT ADAPTER	1216-142

Special NON-STANDARD (REF ONLY)

33	1	DIPSTICK	2470-134

FILENAME: KF541008 EDP#: TAKF541008

BILL OF MATERIALS

DURST GEAR DRIVES, DURST DIV. REGAL BELOIT

ASSEMBLY NO. KF5-41-008

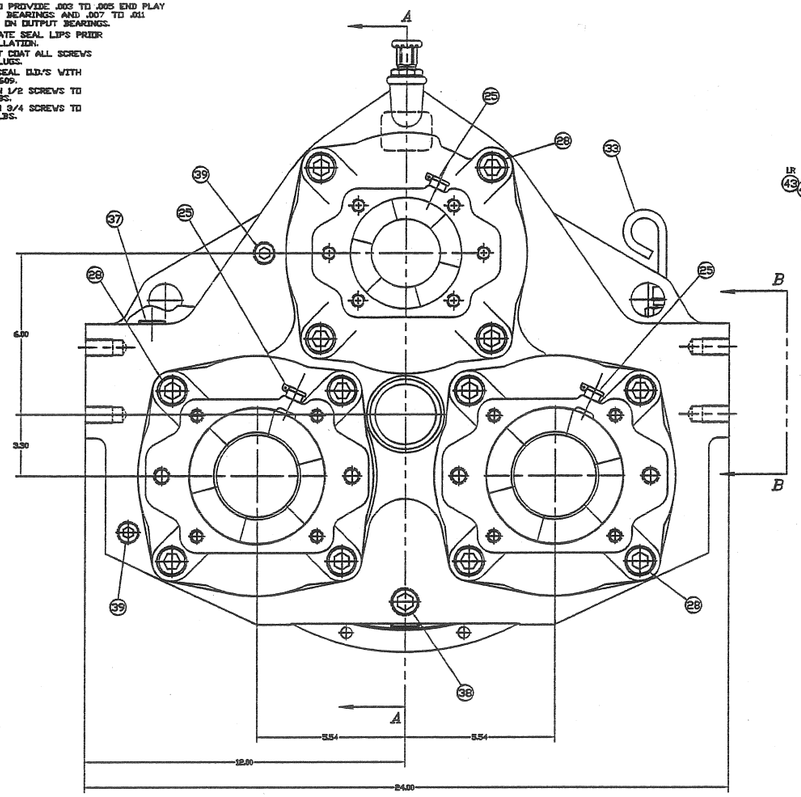
SHEET 3 OF 3

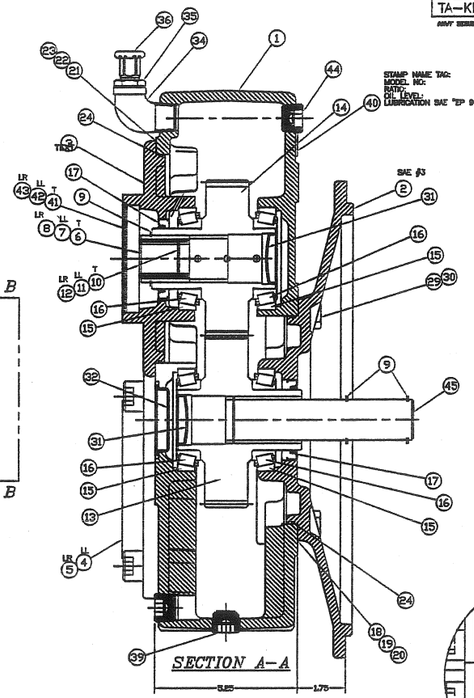
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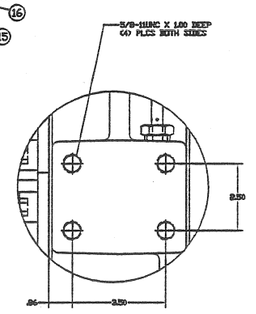
ISSUE	WO#	ITEM	DESCRIPTION	BY	DATE
1	23259	-	RELEASE PER WO	WEM	3/6/100

FILENAME: KF541008 EDP#: TAKF541008

NOTES:
1. SHIM TO PROVIDE .003 TO .005 END PLAY ON INPUT BEARINGS AND .007 TO .011 END PLAY ON OUTPUT BEARINGS.
2. LUBRICATE SEAL LIPS PRIOR TO INSTALLATION.
3. SEALANT COAT ALL SCREWS & PIPE PLUGS.
4. COAT SEAL O.D.'S WITH LOCTITE 609.
5. TIGHTEN I/S SCREWS TO 80 FT. LBS.
6. TIGHTEN 3/4 SCREWS TO 150 FT. LBS.







VIEW B-B

RATIO: 1.00:1.15

REV	V.O. NO.	ECNC	DESCRIPTION	BY	DATE
1	23259	N/A	RELEASE TO PRODUCTION	WM	3/6/00

ALL DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED. DECIMAL. ALLOW .25 FINISH STOCK ON MACHINED SURFACES. FILLETS AND RADII .25 MAX. MACHINING TOLERANCE X ± .030 FRAC. ± 1/64 .XX ± .010 ANGLE ± 30' .XXX ± .005 REC. FINISH

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DURST
DIVISION OF REGAL-BELOIT CORP.
P.O. BOX 220
BELOIT, WISCONSIN 53511

MODEL: KF5 | DRAWN BY: WEM | SCALE: N/A | THIRD ANGLE PROJECT

MATERIAL: SEE SEPARATE BILL OF MATERIALS

TITLE: TRIPLE PUMP DRIVE

PART NO.: KF5-41-008 | SIZE: D

PART NO. KF5-41-008
ALT. REC. NO. EDP NO.
TA-KF54-1008
ASSY NUMBER NO.

SHEET 1 OF 1

PUMP DRIVE GEARBOX
3 PAD HORIZONTIAL
1.15:1 SPEED UP

DURST
KF5-41-008

USAGE
MTV-1000C - 1 PER
SB-2500B - 1 PER

SAME AS 135572-01 LESS FLEX PLATE
FOR USE W/TORSION CONTROL DRIVE PLATE P/N 141615-01

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

ROADTEC

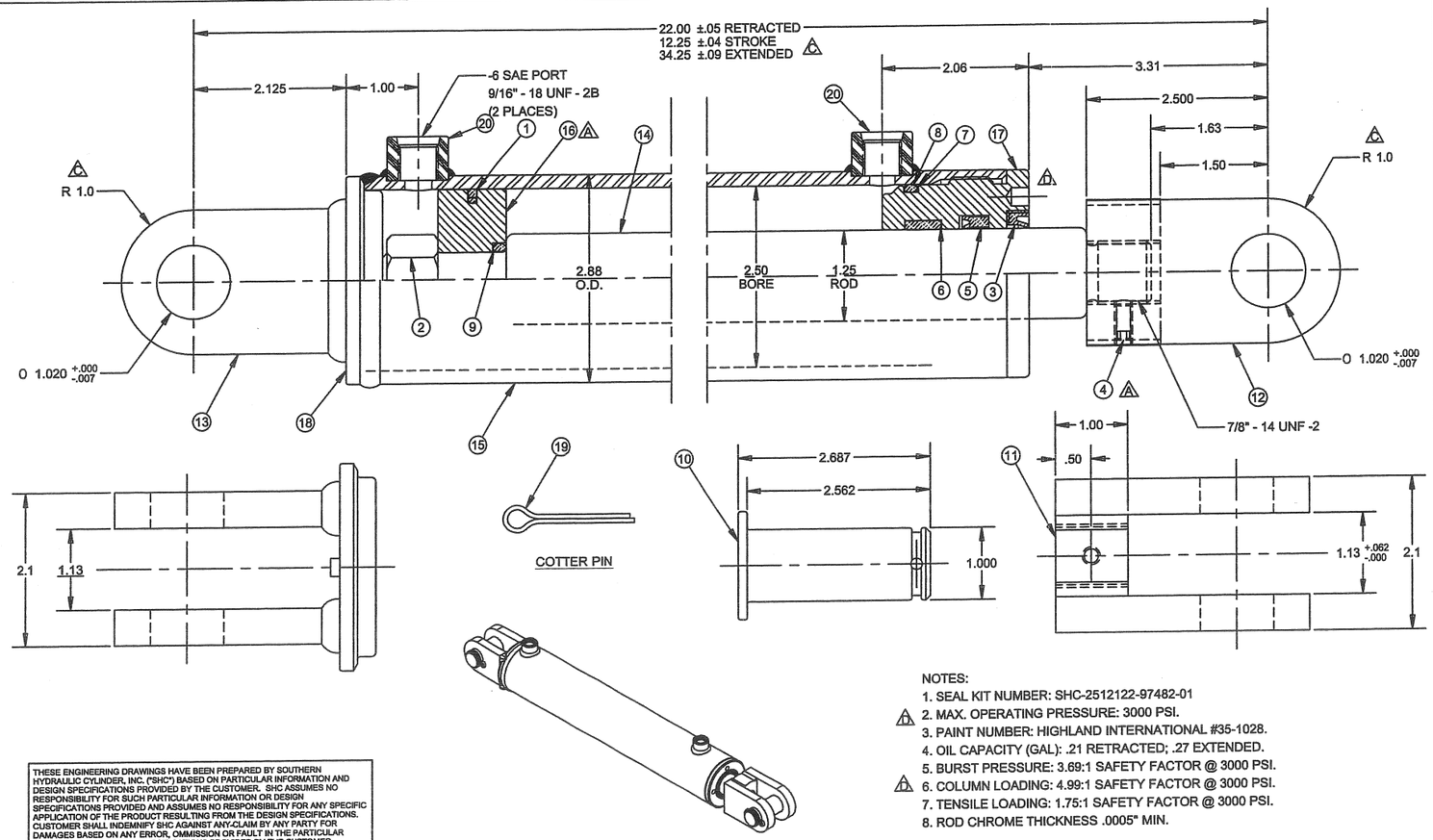
PART NAME: PUMP DRIVE - 3 PAD HORIZ W/1.15 SPEED UP

REQ'D PERSEE ABOVE | SHEET NO: 1 of 1 | PAD CODE: 000 | EFFECTIVE S/N: 000

DRAWN BY: SWEARGREN | CHECKED BY:

SCALE: NONE | DATE: 4/9/00 | DWG NO: 144422-01 | REV: 0

REV.	E.C.N.	DATE	REVISIONS	CH'D. BY	APPR. BY



NOTES:

1. SEAL KIT NUMBER: SHC-2512122-97482-01
2. MAX. OPERATING PRESSURE: 3000 PSI.
3. PAINT NUMBER: HIGHLAND INTERNATIONAL #35-1028.
4. OIL CAPACITY (GAL): .21 RETRACTED; .27 EXTENDED.
5. BURST PRESSURE: 3.69:1 SAFETY FACTOR @ 3000 PSI.
6. COLUMN LOADING: 4.99:1 SAFETY FACTOR @ 3000 PSI.
7. TENSILE LOADING: 1.75:1 SAFETY FACTOR @ 3000 PSI.
8. ROD CHROME THICKNESS .0005" MIN.

REFERENCE DRAWINGS:
1725160001TA - TUBE ASSEMBLY
26201005CA21 - CLEVIS ASSEMBLY
26201005CA22 - CLEVIS WELDMENT
27211020CA22 - CLEVIS ASSEMBLY
27211020CA23 - CLEVIS WELDMENT

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IT. #	PART NUMBER	QTY	NAME	MAT'L	IT. #	PART NUMBER	QTY	NAME	MAT'L
1	PS1500-40	1	PISTON SEAL		11	27211020P2	1	CLEVIS BASE	C1018
2	NU075FNSB5Z	1	3/4" LOCK NUT		12	27211020P1	2	LUG	A36
3	MCU-1250-D	1	WIPER		13	26201005	2	LUG	A36
4	KS025C050KSC	1	1/4" X 1/2" LG SET SCREW		14	1812177001	1	ROD	C1045
5	DRU18-1.25-37	1	U-CUP		15	1725160001	1	TUBE	DOM
6	612-150-050	1	WEAR BAND		16	1525PRL003	1	PISTON	DUCTILE
7	574-228	1	BACK-UP		17	1325THM015	1	HEAD	DUCTILE
8	568-228-90D	1	O-RING		18	1125003	1	BASE PLATE	C1018
9	568-210-90D	1	O-RING		19	1/8"- 1 1/2" CT	2	1/8" COTTER PIN	
10	29256100	2	CLEVIS PIN	C1045	20	0906SAE	2	-6 SAE PORT	C1018

NO	DATE	BY	CHANGE
3	2/20/01	JN/	CHANGE HEAD, ROD SEAL & WIPER; ADDED WEAR BAND ADDED NOTE #6; HIGHLAND INTERNATIONAL #35-1028 WAS UN1263 RED OXIDE PRIMER.
2	4/16/97	JC/ME	±.05 RET, WAS ±.04; ±.06 EXT WAS ±.06; R1.0 WAS 1.00; 27LDCAT1 WAS 27LDCAT.
1	2/27/97	JC/ME	±.04 RET & STROKE WAS ±.09; ±.06 EXT WAS ±.13
A	12/11/96	DJ/ME	ADDED SET SCREW; 1525PRL003 WAS 0525PRL

CUSTOMER ROADTEC, INC. 2512122-97482-01

FILE SE\2512\122\97482\01

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SOUTHERN HYDRAULIC CYLINDER, INC.
3020 Lee Highway Athens, Tennessee 37303

MACHINING TOLERENCES
UNLESS OTHERWISE SPECIFIED
ONE PLACE .X = ±.1
TWO PLACES .XX = ±.03
THREE PLACES .XXX = ±.010
FOUR PLACES .XXXX = ±.0010
ALL ANGLES = ±2°
BREAK ALL SHARP EDGES .010 X 45°

DRAWN BY	JWC 10/28/96
CHECKED	
APPROVED	
SCALE	FULL

DO NOT SCALE DRAWING FOR MACHINING DIMENSIONS

2.50 X 12.25
CYLINDER ASSEMBLY

DRAWING NO. 2512122-97482-01 A

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A		3/2/01	ROD WIPER IMPROVEMENTS	DLS	

ROADTEC

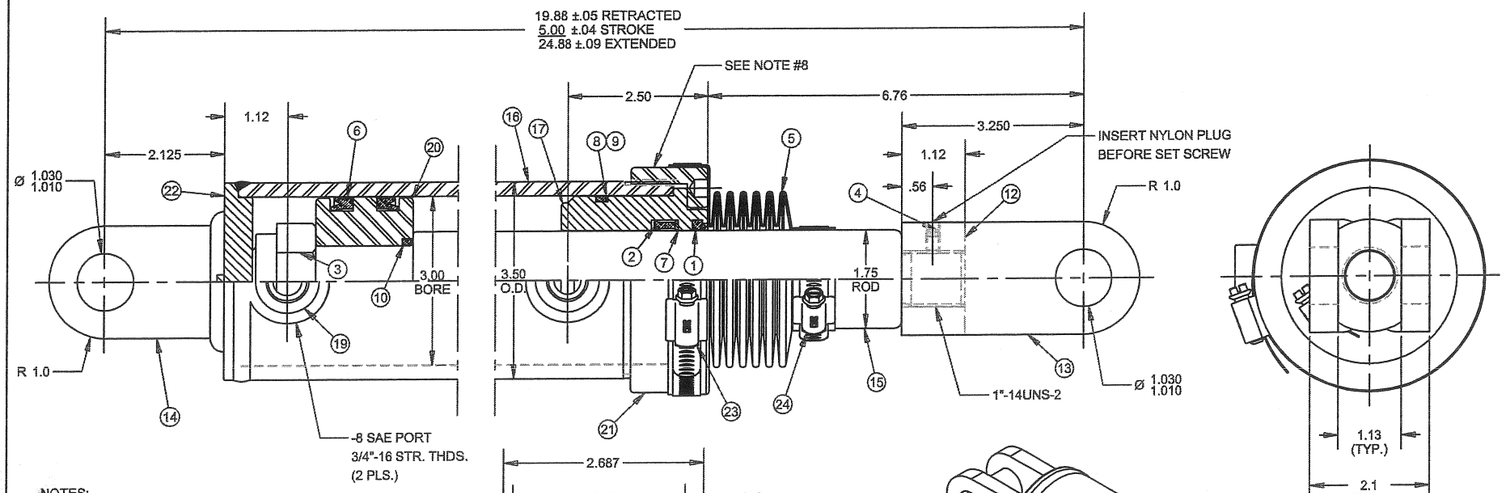
PART NAME: HYD CYLINDER – 2.5 BORE X 12.25 STROKE

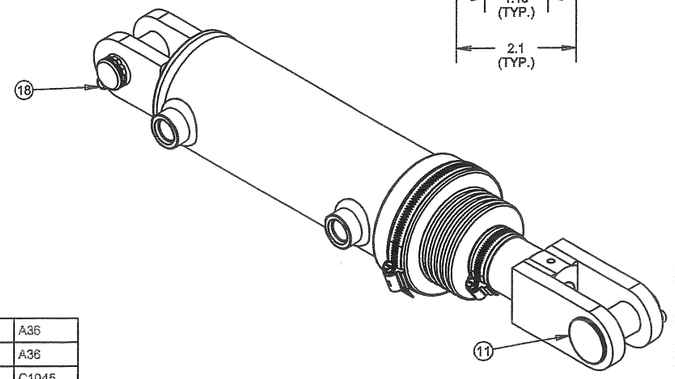
01 REQ'D PER | SHEET NO 1 of 1 | FAB CODE 000 | EFFECTIVE S/N 000

DRAWN BY | CHECKED BY | SCALE 1=1 | DATE | DWG NO 97482-01 | REV. A

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NOTES:
1. SEAL KIT NUMBER: SHC-3017050-144894-01.
2. MAX. OPERATING PRESSURE: 3000 PSI.
3. PAINT NUMBER: UN1263 RED OXIDE PRIMER.
4. OIL CAPACITY (GAL): .12 RETRACTED; .17 EXTENDED.
5. BURST PRESSURE: 4.04:1 SAFETY FACTOR @ 3000 PSI.
6. COLUMN LOADING: 7.92:1 SAFETY FACTOR @ 3000 PSI.
7. TENSILE LOADING: 3.43:1 SAFETY FACTOR @ 3000 PSI.
8. APPLY LOCTITE #242 TO THREADS BEFORE INSTALLING.

REFERENCE DRAWINGS:
1730101001TA - TUBE ASSEMBLY
26200005CCA31 - CLEVIS ASSEMBLY
26200005CCW3 - CLEVIS WELDMENT
27200005ACA11 - CLEVIS ASSEMBLY
27200005ACW1 - CLEVIS WELDMENT

IT.#	PART NUMBER	QTY	NAME	MAT'L	IT.#	PART NUMBER	QTY	NAME	MAT'L
1					13	27200005A	2	LUG	A36
2	P187-01.750-375BV	1	POLY PAK		14	26200005C	2	LUG	A36
3	NU125FNSB5Z	1	1 1/4" LOCK NUT		15	1817151001	1	ROD	C1045
4	KS025C037KSC	1	1/4" X 3/8" LG SET SCREW		16	1730101001	1	TUBE	DOM
5	FX04HA08	1	ROD COVER		17	1330HCM001	1	HEAD	DUCTILE
6	DPU25-2.50-37V	2	U-CUP		18	1/8"-2 CT	2	1/8" COTTER PIN	
7	595-46T	1	BACK-UP		19	0908SAE	2	-8 SAE PORT	C1018
8	574-232T	1	BACK UP		20	0530UCH	1	PISTON	DUCTILE
9	568-232-90DV	1	O-RING		21	0430	1	HEAD CAP	CDS
10	568-218-90DV	1	O-RING		22	0130	1	BASE PLATE	C1018
11	29256100	2	CLEVIS PIN	C1045	23		1	4" HOSE CLAMP	
12	27200005AP1	1	CLEVIS BASE	C1018	24		1	1 3/4" HOSE CLAMP	

CHANGE	NO	DATE	BY
CUSTOMER ROADTEC, INC. 3017050-144894-01			
FILE SE\30\17050\144894-01			

SOUTHERN HYDRAULIC CYLINDER, INC.
3020 Lee Highway Athens, Tennessee 37303

MACHINING TOLERANCES UNLESS OTHERWISE SPECIFIED
ONE PLACE .X = ±.1
TWO PLACES .XX = ±.03
THREE PLACES .XXX = ±.010
FOUR PLACES .XXXX = ±.0010
ALL ANGLES = ±2°
BREAK ALL SHARP EDGES .010 X 45°

DRAWN BY	NDM 5/1/00
CHECKED	
APPROVED	
SCALE	3/4"=1"

DO NOT SCALE DRAWING FOR MACHINING DIMENSIONS

3.00 X 5.00
CYLINDER ASSEMBLY

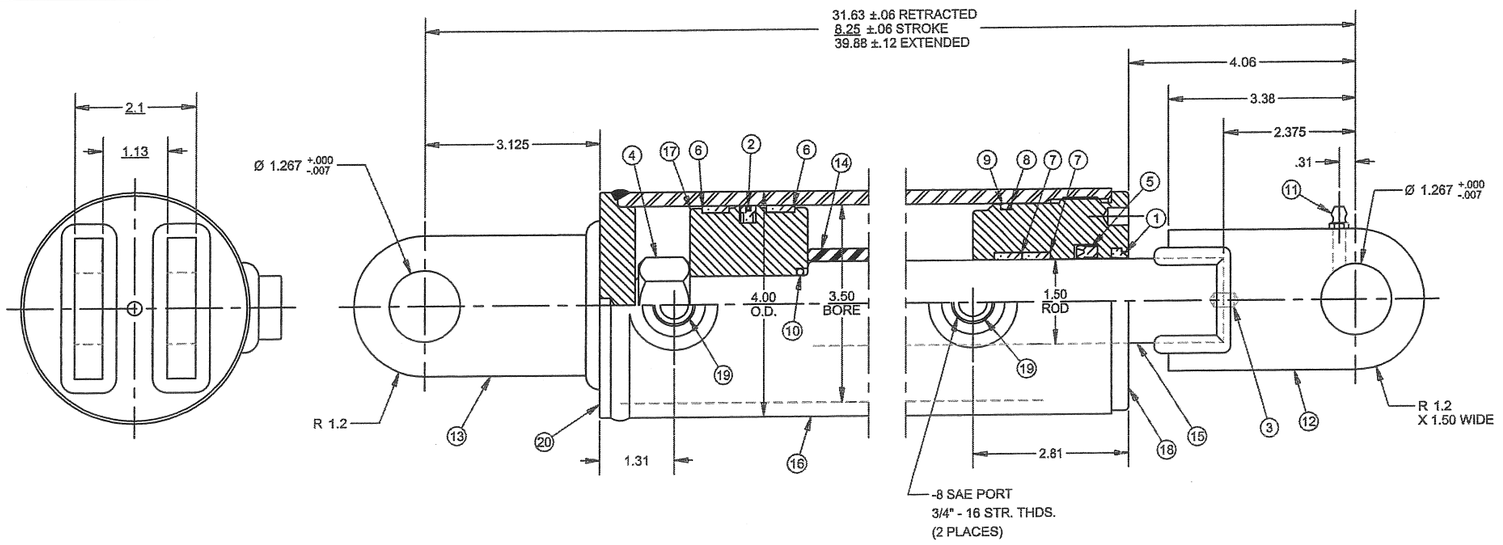
DRAWING NO. 3017050-144894-01

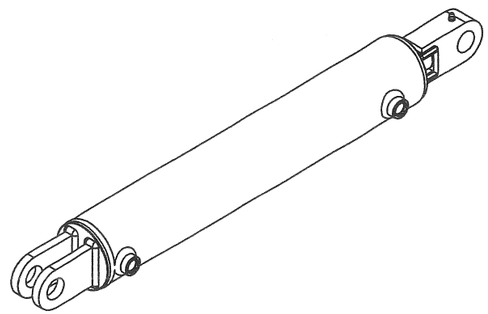
REPLACES 121045-03 E.C.# 1147
SEE 144894-01-C1 FOR SEAL KIT
REPLACES 121045-03

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

ROADTEC

PART NAME	HYD CYL – 3 BORE x 1.75 ROD x 5 STROKE
01 REQ'D PER	
SHEET NO	1 of 1
FAB CODE	000
EFFECTIVE S/N	000
DRAWN BY	SWEARINGEN
CHECKED BY	
SCALE	1
DATE	6/13/00
DWG NO	144894-01
REV.	0





NOTES:
1. SEAL KIT NUMBER: SHC-3515082-144895-01.
2. MAX. OPERATING PRESSURE: 3000 PSI.
3. PAINT NUMBER: UN1263 RED OXIDE PRIMER.
4. OIL CAPACITY: .58 RETRACTED; .65 EXTENDED.
5. BURST PRESSURE: 3.54:1 SAFETY FACTOR @ 3000 PSI.
6. COLUMN LOADING: 2.99:1 SAFETY FACTOR @ 3000 PSI.
7. TENSILE LOADING: 1.36:1 SAFETY FACTOR @ 3000 PSI.

REFERENCE DRAWINGS:
1735238001TA - TUBE ASSEMBLY
1815255001RA - ROD ASSEMBLY

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IT. #	PART NUMBER	QTY	NAME	MAT'L	IT. #	PART NUMBER	QTY	NAME	MAT'L
1	ST-150	1	WIPER		11	428D-00	1	GREASE FITTING	
2	PSQ-56	1	PISTON SEAL		12	27251215A	1	LUG	A36
3	PD025N037PDP	1	1/4" X 3/8" DOWEL PIN		13	26250005D	2	LUG	A36
4	NU100FNSB5Z	1	1" LOCK NUT		14	211548A	2	SPACER	DOM
5	DRU25-1.50-37	1	U-CUP		15	1815255001	1	ROD	C1045
6	612-350-050	2	WEAR BAND		16	1735238001	1	TUBE	DOM
7	612-175-050	2	WEAR BAND		17	1535PRH002	1	PISTON	DUCTILE
8	574-236	1	BACK UP		18	1335THM010	1	HEAD	DUCTILE
9	568-236-90D	1	O-RING		19	0908SAE	2	-8 SAE PORT	C1018
10	568-214-90D	1	O-RING		20	0135	1	BASE PLATE	C1018

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CHANGE	NO	DATE	BY
CUSTOMER ROADTEC, INC. 3515082-144895-01			
FILE SE\3515082-144895-01			

SOUTHERN HYDRAULIC CYLINDER, INC.
3020 Lee Highway Athens, Tennessee 37303

MACHINING TOLERENCES UNLESS OTHERWISE SPECIFIED
ONE PLACE .X = ±.1
TWO PLACES .XX = ±.03
THREE PLACES .XXX = ±.010
FOUR PLACES .XXXX = ±.0010
ALL ANGLES = ±2°
BREAK ALL SHARP EDGES .010 X 45°

DRAWN BY JRN 5/1/00
CHECKED
APPROVED
SCALE 3/4" = 1"

DO NOT SCALE DRAWING FOR MACHINING DIMENSIONS

3.50 X 8.25
CYLINDER ASSEMBLY

DRAWING NO. 3515082-144895-01

REPLACES 130710-03 E.C.# 1147
SEE 144895-01-C1 FOR SEAL KIT
REPLACES 130710-03

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

ROADTEC

PART NAME HYD CYL – 3.5 BORE x 1.50 ROD x 8.25 STROKE

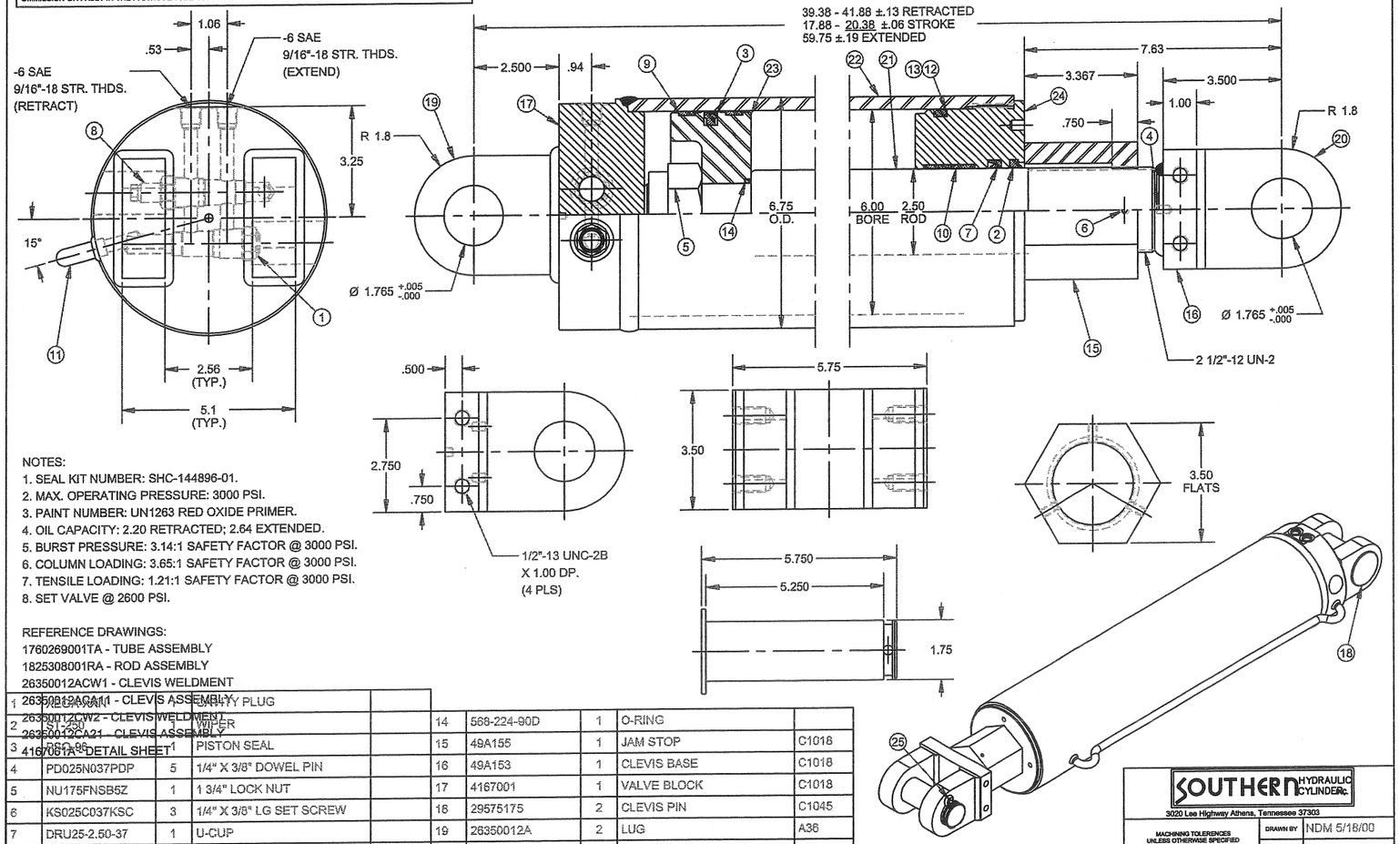
01 REQ'D PER | SHEET NO 1 of 1 | FAB CODE 000 | EFFECTIVE S/N 000

DRAWN BY SWEARINGEN | CHECKED BY | DWG NO 144895-01 | REV. 0

SCALE 1 | DATE 6/13/00

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NOTES:
1. SEAL KIT NUMBER: SHC-144896-01.
2. MAX. OPERATING PRESSURE: 3000 PSI.
3. PAINT NUMBER: UN1263 RED OXIDE PRIMER.
4. OIL CAPACITY: 2.20 RETRACTED; 2.64 EXTENDED.
5. BURST PRESSURE: 3.14:1 SAFETY FACTOR @ 3000 PSI.
6. COLUMN LOADING: 3.65:1 SAFETY FACTOR @ 3000 PSI.
7. TENSILE LOADING: 1.21:1 SAFETY FACTOR @ 3000 PSI.
8. SET VALVE @ 2600 PSI.

REFERENCE DRAWINGS:
1760269001TA - TUBE ASSEMBLY
1825308001RA - ROD ASSEMBLY
26350012ACW1 - CLEVIS WELDMENT
26350012CA1 - CLEVIS ASSEMBLY
26350012CW2 - CLEVIS WELDMENT
26350012CA21 - CLEVIS ASSEMBLY
4167001A - DETAIL SHEET

IT. #	PART NUMBER	QTY	NAME	MAT'L	IT. #	PART NUMBER	QTY	NAME	MAT'L
1	26350012CA1	1	CLEVIS ASSEMBLY		14	568-224-90D	1	O-RING	
2	SI-250	1	WIPER		15	49A155	1	JAM STOP	C1018
3	PS6A-06	1	PISTON SEAL		16	49A153	1	CLEVIS BASE	C1018
4	PD025N037PDP	5	1/4" X 3/8" DOWEL PIN		17	4167001	1	VALVE BLOCK	C1018
5	NU175FNSB5Z	1	1 3/4" LOCK NUT		18	29575175	2	CLEVIS PIN	C1045
6	KS025C037KSC	3	1/4" X 3/8" LG SET SCREW		19	26350012A	2	LUG	A36
7	DRU25-2.50-37	1	U-CUP		20	26350012	2	LUG	A36
8	CBCA-LHN	1	COUNTERBALANCE VALVE		21	1825308001	1	ROD	I.H.C.P.
9	612-600-050	2	WEAR BAND		22	1760269001	1	TUBE	DOM
10	612-275-075	2	WEAR BAND		23	1560PRH013	1	PISTON	DUCTILE
11	6050248	1	1/2" HYDRAULIC TUBE		24	1360THM001	1	HEAD	DUCTILE
12	574-433	1	BACK-UP		25	1/4"-2 1/4 CT	2	1/4" COTTER PIN	
13	568-433-90D	1	O-RING						

CHANGE	NO	DATE	BY

CUSTOMER ROADTEC, INC. 6025203-144896-01
FILE SE\6025\203\144896-01

SOUTHERN HYDRAULIC CYLINDER, Inc.
3020 Lee Highway Athens, Tennessee 37303

MACHINING TOLERENCES UNLESS OTHERWISE SPECIFIED		
ONE PLACE	X = ±.1	DRAWN BY: NDM 5/18/00
TWO PLACES	.XX = ±.03	CHECKED:
THREE PLACES	.XXX = ±.010	APPROVED:
FOUR PLACES	.XXXX = ±.0010	SCALE: HALF
ALL ANGLES = ±2		
BREAK ALL SHARP EDGES .010 X 45°		

DO NOT SCALE DRAWING FOR MACHINING DIMENSIONS

6.00 X 17.88-20.38
CYLINDER ASSEMBLY

DRAWING NO. 6025203-144896-01

REPLACES 29E83 E.C.# 1147
SEE 144896-01-C1 FOR SEAL KIT
REPLACES 29E83

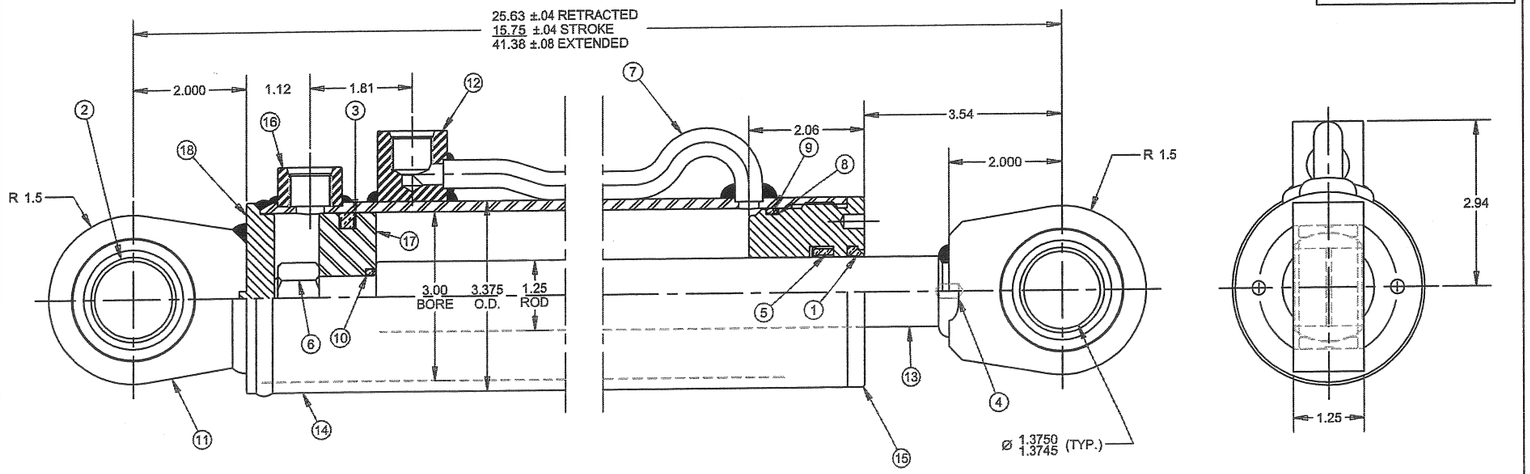
all fractional dim's ± 1/32" -- all decimal dim's ± .005 unless noted

ROADTEC

PART NAME	HYD CYL - 6 BORE x 2.5 ROD x 19.13 NOM STROKE		
01 REQ'D PER	SHEET NO 1 of 1	FAB CODE 000	EFFECTIVE S/N 000
DRAWN BY SWEARINGEN	CHECKED BY	DWG NO 144896-01	REV. 0
SCALE	DATE 6/13/00		

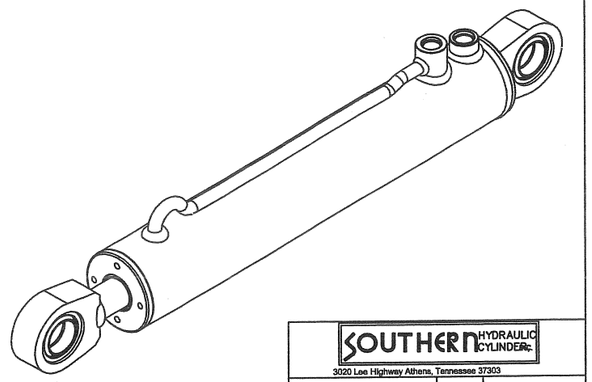
4 48

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NOTES:
1. SEAL KIT NUMBER: SHC-3012157-144897-01.
2. MAX. OPERATING PRESSURE: 2500 PSI.
3. PAINT NUMBER: UN1263 RED OXIDE PRIMER.
4. OIL CAPACITY: .42 RETRACTED; .50 EXTENDED.
5. BURST PRESSURE: 3.77:1 SAFETY FACTOR @ 2500 PSI.
6. COLUMN LOADING: 3.66:1 SAFETY FACTOR @ 2500 PSI.
7. TENSILE LOADING: 1.32:1 SAFETY FACTOR @ 2500 PSI.

REFERENCE DRAWINGS:
1730195001TA - TUBE ASSEMBLY
1812221002RA - ROD ASSEMBLY



IT. #	PART NUMBER	QTY	NAME	MAT'L	IT. #	PART NUMBER	QTY	NAME	MAT'L
1	ST-125	1	WIPER		10	568-210-90D	1	O-RING	
2	RBC-B22-L	2	SPHERICAL BEARING		11	26302112A	2	LUG	A36
3	PS1800-48	1	PISTON SEAL		12	1908SAE002	1	-8 SAE PORT	C1018
4	PD025N037PDP	1	1/4" X 3/8" DOWEL PIN		13	1812221002	1	ROD	C1045
5	P187-01.250-375B	1	POLY PAK		14	1730195001	1	TUBE	DOM
6	NU075FNSB5Z	1	3/4" LOCK NUT		15	1330THM011	1	HEAD	DUCTILE
7	6050145	1	1/2" HYDRAULIC TUBE		16	0908SAE	1	-8 SAE PORT	C1018
8	574-232	1	BACK UP		17	0530PRL	1	PISTON	DUCTILE
9	568-232-90D	1	O-RING		18	0130A	1	BASE PLATE	C1018

CHANGE	NO	DATE	BY

CUSTOMER ROADTEC, INC. 3012157-144897-01
FILE SE\3012\157\144897-01

SOUTHERN HYDRAULIC CYLINDER
3020 Lee Highway Athens, Tennessee 37303

MACHINING TOLERANCES UNLESS OTHERWISE SPECIFIED ONE PLACE .X ±.1 TWO PLACES .XX ± .03 THREE PLACES .XXX ± .010 FOUR PLACES .XXXX ± .0010 ALL ANGLES ± 2° BREAK ALL SHARP EDGES .010 X 45°	DRAWN BY	NDM 9/15/99
	CHECKED	
	APPROVED	
	SCALE	3/4=1

DO NOT SCALE DRAWING FOR MACHINING DIMENSIONS

3.00 X 15.75
CYLINDER ASSEMBLY

DRAWING NO. 3012157-144897-01

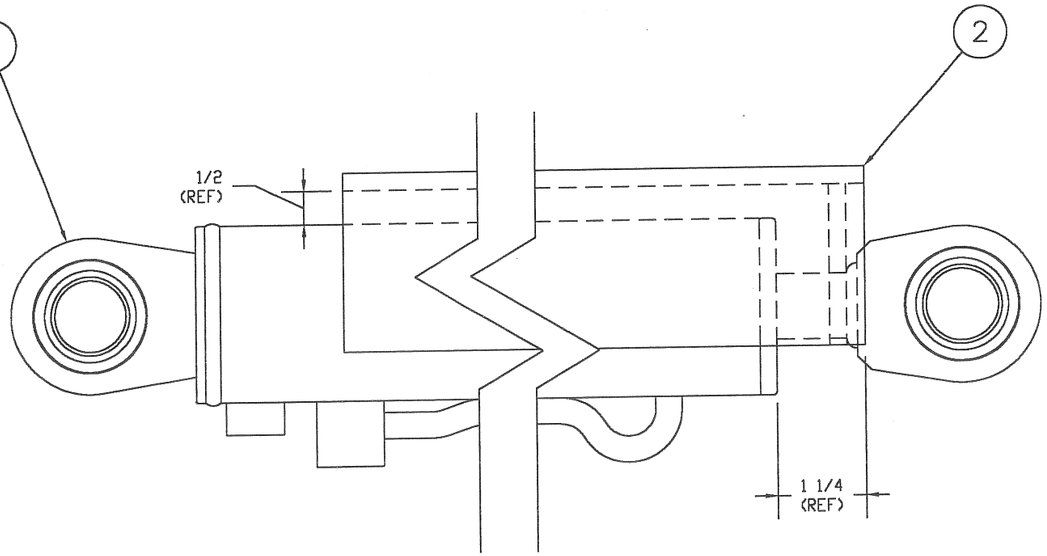
REPLACES 83322-01 E.C.# 1147
SEE 144897-01-C1 FOR SEAL KIT
REPLACES 83322-01

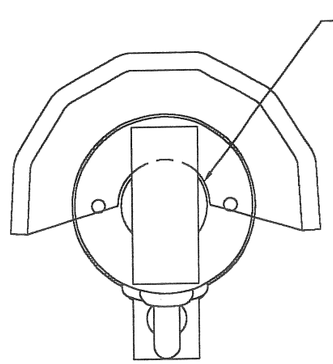
all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

ROADTEC

PART NAME	HYD CYL – 3 BORE x 1.25 ROD x 15.75 STROKE		
01 REQ'D PER	SHEET NO 1 of 1	FAB CODE 000	EFFECTIVE S/N 000
DRAWN BY SWEARINGEN	CHECKED BY	DWG NO 144897-01	REV. 0
SCALE 1	DATE 6/13/00		

QTY	ITEM	IDENT	DESCRIPTION
1	1	144897-01	CYLINDER ~ 3.00 BORE X 15.75 STROKE
1	2	128215-02	CYLINDER ROD COVER WELDMENT





all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'E. BY	APPR. BY

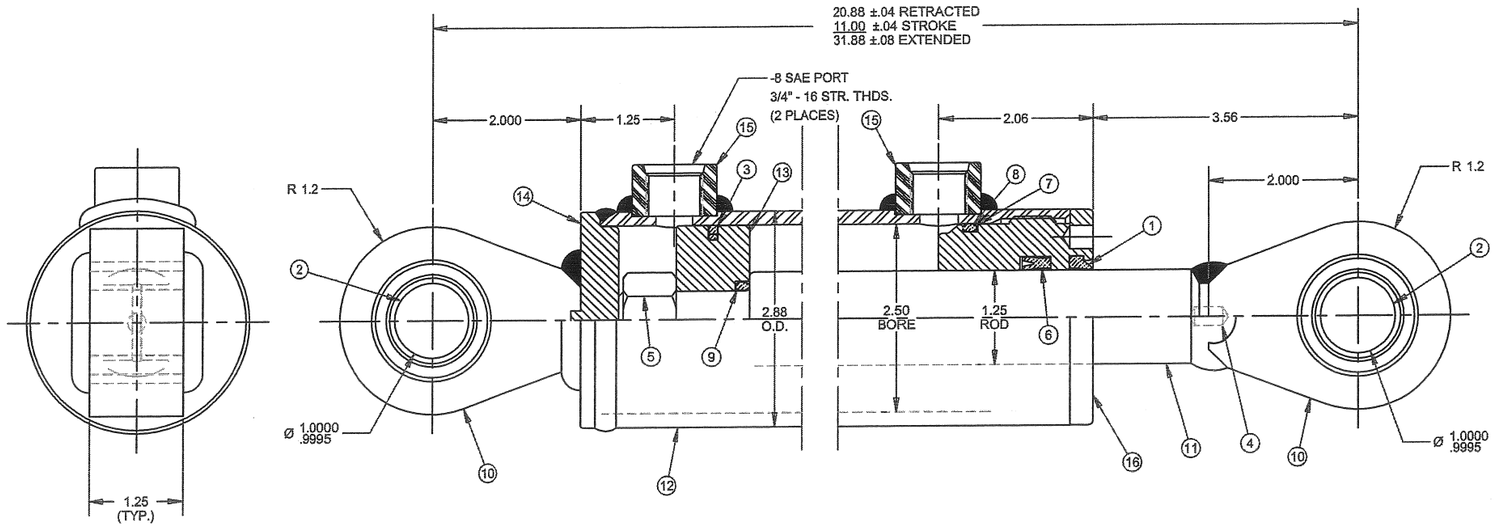
ROADTEC

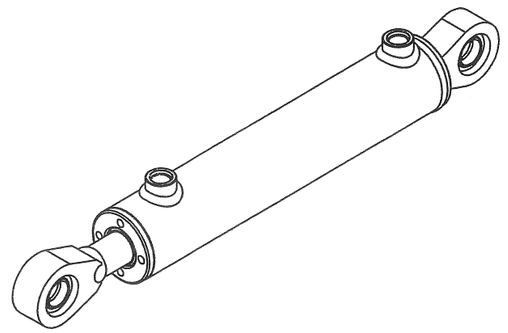
PART NAME: C-1 CLEAN-OUT DOOR CYLINDER MODIFICATION

01 REQ'D PER SB-25008

DRAWN BY	CHECKED BY	SHEET NO	FAB CODE	EFFECTIVE S/N
TRH		1 of 1	615	625

SCALE	DATE	DWG NO	REV.
1	10/17/01	149425-01	0





NOTES:
1. SEAL KIT NUMBER: SHC-2512085-97358-01-WB
2. MAX. OPERATING PRESSURE: 3000 PSI.
3. PAINT NUMBER: UN1263 RED OXIDE PRIMER.
4. OIL CAPACITY: .19 RETRACTED; .25 EXTENDED.
5. BURST PRESSURE: 3.69:1 SAFETY FACTOR @ 3000 PSI.
6. COLUMN LOADING: 5.13:1 SAFETY FACTOR @ 3000 PSI.
7. TENSILE LOADING: 1.75:1 SAFETY FACTOR @ 3000 PSI.

REFERENCE DRAWINGS:
1725147002TA - TUBE ASSEMBLY
1812163002RA - ROD ASSEMBLY

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IT. #	PART NUMBER	QTY	NAME	MAT'L	IT. #	PART NUMBER	QTY	NAME	MAT'L
1	ST-125	1	WIPER		9	568-210-90D	1	O-RING	
2	RBC-B16-L	2	SPHERICAL BEARING		10	26251612	2	LUG	A36
3	PS1500-40	1	PISTON SEAL		11	1812163002	1	ROD	C1045
4	PD025N037PDP	1	1/4" X 3/8" DOWEL PIN		12	1725147002	1	TUBE	DOM
5	NU075FNSB5Z	1	3/4" LOCK NUT		13	1525PRL003	1	PISTON	DUCTILE
6	HU18-1.25-37	1	U-CUP		14	1125003	1	BASE PLATE	C1018
7	574-228	1	BACK-UP		15	0908SAE	2	-8 SAE PORT	C1018
8	568-228-90D	1	O-RING		16	0325THL	1	HEAD	DUCTILE

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CHANGE	NO	DATE	BY
CUSTOMER ROADTEC, INC. 2512110-144898-01			
FILE SE25\12\110-144898-01			

SOUTHERN HYDRAULIC CYLINDER, INC.
3020 Lee Highway Athens, Tennessee 37303

MACHINING TOLERENCES UNLESS OTHERWISE SPECIFIED
ONE PLACE .X = ±.1
TWO PLACES .XX = ±.03
THREE PLACES .XXX = ±.010
FOUR PLACES .XXXX = ±.0010
ALL ANGLES = ±2°
BREAK ALL SHARP EDGES .010 X 45°

DRAWN BY	JRN 5/3/00
CHECKED	
APPROVED	
SCALE	3/4" =1"

DO NOT SCALE DRAWING FOR MACHINING DIMENSIONS

2.50 X 11.00
CYLINDER ASSEMBLY

DRAWING NO. 2512110-144898-01

REPLACES 83326-01 E.C.# 1147
SEE 144898-01-C1 FOR SEAL KIT
REPLACES 83326-01

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

ROADTEC

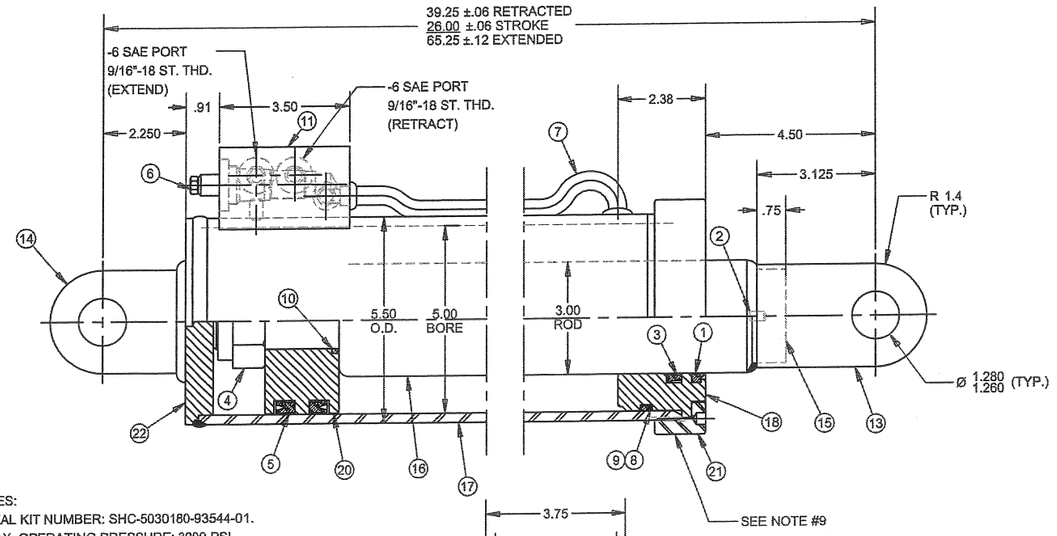
PART NAME HYD CYL – 2.5 BORE x 1.25 ROD x 11 STROKE

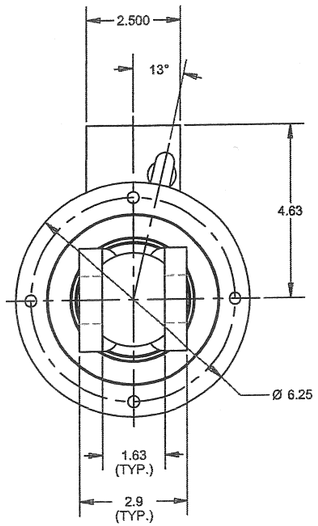
01 REQ'D PER | SHEET NO 1 of 1 | FAB CODE 000 | EFFECTIVE S/N 000

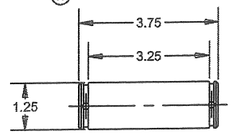
DRAWN BY SWEARINGEN | CHECKED BY | SCALE | DATE 5/17/00 | DWG NO 144898-01 | REV. 0

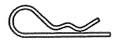
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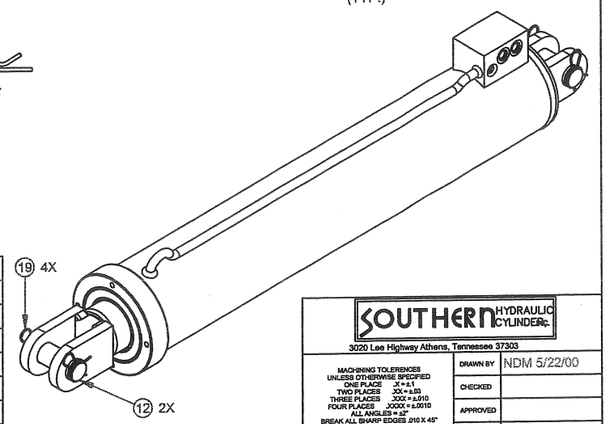








12/F



NOTES:
1. SEAL KIT NUMBER: SHC-5030180-93544-01.
2. MAX. OPERATING PRESSURE: 3000 PSI.
3. PAINT NUMBER: UN1263 RED OXIDE PRIMER.
4. OIL CAPACITY (GAL.): 1.51 RETRACTED; 2.30 EXTENDED.
5. BURST PRESSURE: 2.57:1 SAFETY FACTOR @ 3000 PSI.
6. COLUMN LOADING: 7.90:1 SAFETY FACTOR @ 3000 PSI.
7. TENSILE LOADING: 1.53:1 SAFETY FACTOR @ 3000 PSI.
8. SET VALVE @ 2600 PSI.
9. USE LOCTITE #242 ON THREADS BEFORE INSTALLING.

REFERENCE DRAWINGS:
1750315001TA - TUBE ASSEMBLY
1830331001RA - ROD ASSEMBLY
26270006CW3 - CLEVIS WELDMENT
26270006CA31 - CLEVIS ASSEMBLY

IT. #	PART NUMBER	QTY	NAME	MAT'L	IT. #	PART NUMBER	QTY	NAME	MAT'L
1	S75300	1	WIPER		12	29375125	2	CLEVIS PIN	C1045
2	PD025N037PDP	1	1/4" X 3/8" DOWEL PIN		13	27270006B	2	LUG	A36
3	P250-03.000-375B	1	POLY PAK		14	26270006	2	LUG	A36
4	NU150FNSB5Z	1	1 1/2" LOCK NUT		15	23251607	1	CLEVIS BASE	C1018
5	HU37-4.25-50	2	U-CUP		16	1830331001	1	ROD	C1045
6	CBCA-LHN	1	COUNTERBALANCE VALVE		17	1750315001	1	TUBE	DOM
7	8050256	1	1/2" HYDRAULIC TUBE		18	1350HCH001	1	HEAD	DUCTILE
8	574-350	1	BACK-UP		19	12\F	4	HAIRPIN COTTER	
9	568-350-90D	1	O-RING		20	0550UCH	1	PISTON	DUCTILE
10	568-222-90D	1	O-RING		21	0450	1	HEAD CAP	DOM
11	4125019	1	VALVE BLOCK	C1018	22	0150	1	BASE PLATE	A36

~~27270006BCW1 - CLEVIS WELDMENT~~
~~27270006BCA11 - CLEVIS ASSEMBLY~~

SOUTHERN HYDRAULIC CYLINDER, INC.
3020 Lee Highway Athens, Tennessee 37303

MACHINING TOLERENCES UNLESS OTHERWISE SPECIFIED
ONE PLACE X = ±.1
TWO PLACES XX = ±.03
THREE PLACES XXX = ±.010
FOUR PLACES XXXX = ±.0010
ALL ANGLES = ±2°
BREAK ALL SHARP EDGES .010 X 45°

DRAWN BY	NDM 5/22/00
CHECKED	
APPROVED	
SCALE	HALF

DO NOT SCALE DRAWING FOR MACHINING DIMENSIONS

CHANGE	NO	DATE	BY

CUSTOMER ROADTEC, INC. 5030260-144900-01
FILE SE\5030\260\144900-01

5.00 X 26.00
CYLINDER ASSEMBLY
DRAWING NO. 5030260-144900-01

REPLACES 92784-01 E.C.# 1147
SEE 144900-01-C1 FOR SEAL KIT
REPLACES 92784-01

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

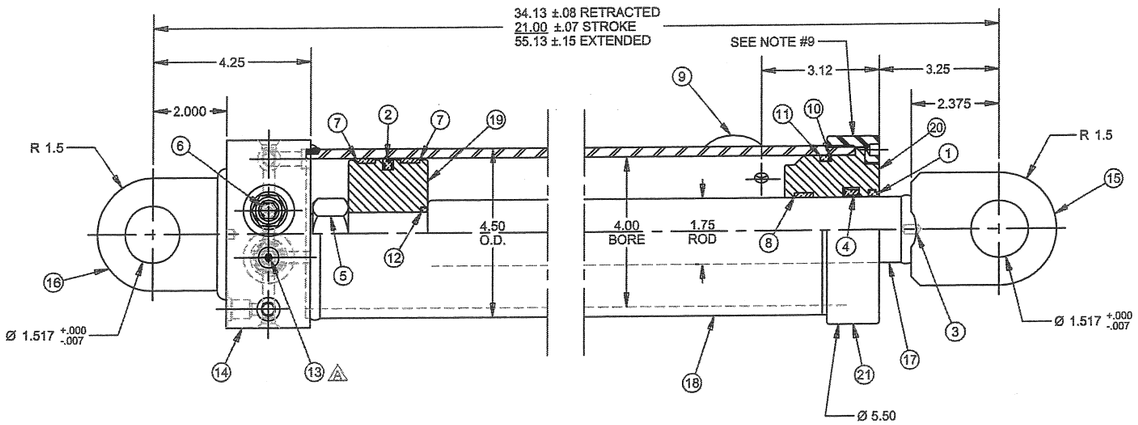
ROADTEC

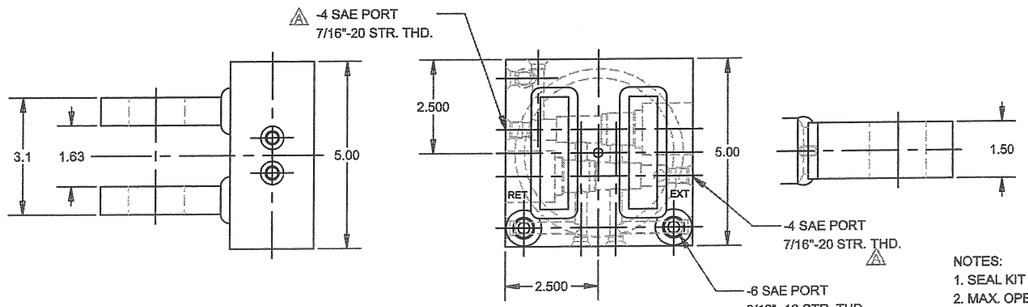
PART NAME HYD CYL – 5 BORE x 3 ROD x 26 STROKE

01 REQ'D PER | SHEET NO 1 of 1 | FAB CODE 000 | EFFECTIVE S/N 000

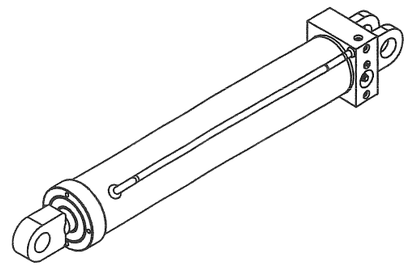
DRAWN BY SWEARINGEN | CHECKED BY | SCALE 1 | DATE 6/13/00

DWG NO 144900-01 | REV. 0





BASE END VIEW



NOTES:
1. SEAL KIT NUMBER: SHC-99902-01
2. MAX. OPERATING PRESSURE: 3000 PSI.
3. PAINT NUMBER: UN1263 RED OXIDE PRIMER.
4. OIL CAPACITY: .97 RETRACTED; 1.19 EXTENDED.
5. BURST PRESSURE: 3.14:1 SAFETY FACTOR @ 3000 PSI.
6. COLUMN LOADING: 3.65:1 SAFETY FACTOR @ 3000 PSI.
7. TENSILE LOADING: 1.24:1 SAFETY FACTOR @ 3000 PSI.
8. SET VALVE AT 2600 PSI.
9. USE LOCTITE # 242 ON THREADS BEFORE INSTALLING.

REFERENCE DRAWINGS:
1740260001TA - TUBE ASSEMBLY
1817275002RA - ROD ASSEMBLY
~~26300007CA41 - CLEVIS ASSEMBLY~~
~~26300007CA74 - CLEVIS ASSEMBLY~~
~~4122105A - DETAIL SHEET~~

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IT. #	PART NUMBER	QTY	NAME	MAT'L	IT. #	PART NUMBER	QTY	NAME	MAT'L
1	ST-175	1	WIPER		12	568-216-90D	1	O-RING	
2	PSQ-64	1	PISTON SEAL		13	49A112	2	BLEEDER PLUG	4HP5ON
3	PD025N037PDP	1	1/4" X 3/8" DOWEL PIN		14	4122015	1	VALVE BLOCK	C1018
4	P250-01.750-375B	1	POLY PAK		15	27301515	1	LUG	A36
5	NU112FNSB5Z	1	1 1/8" LOCK NUT		16	26300007	2	LUG	A36
6	CBCA-LHN	2	COUNTERBALANCE VALVE		17	1817275002	1	ROD	C1045
7	612-400-050	2	WEAR BAND		18	1740261001	1	TUBE	DOM
8	612-200-050	1	WEAR BAND		19	1540PRH006	1	PISTON	DUCTILE
9	6050235	1	1/2" HYDRAULIC TUBE		20	1340HCM002	1	HEAD	DUCTILE
10	574-342	1	BACK-UP		21	0440	1	HEAD CAP	DOM
11	568-342-90D	1	O-RING						

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CHANGE	NO	DATE	BY
ADDED -4 SAE PORT - (2) PLACES; ADDED PART 49A112	A	8/3/00	PPV
CUSTOMER ROADTEC, INC. 4017210-144901-01			
FILE SE40\17210-144901-01			

SOUTHERN HYDRAULIC CYLINDER, INC.
3020 Lee Highway Athens, Tennessee 37303

MACHINING TOLERANCES UNLESS OTHERWISE SPECIFIED	
ONE PLACE	X= ±.1
TWO PLACES	.XX= ±.03
THREE PLACES	.XXX= ±.010
FOUR PLACES	.XXXX= ±.0010
ALL ANGLES = ±2°	
BREAK ALL SHARP EDGES .010 X 45°	

DRAWN BY	JRN 5/15/00
CHECKED	
APPROVED	
SCALE	1/2" = 1"

DO NOT SCALE DRAWING FOR MACHINING DIMENSIONS

4.00 X 21.00
CYLINDER ASSEMBLY

DRAWING NO. 4017210-144901-01 A

REPLACES 92841 E.C.# 1147
SEE 144901-01-C1 FOR SEAL KIT
REPLACES 92841

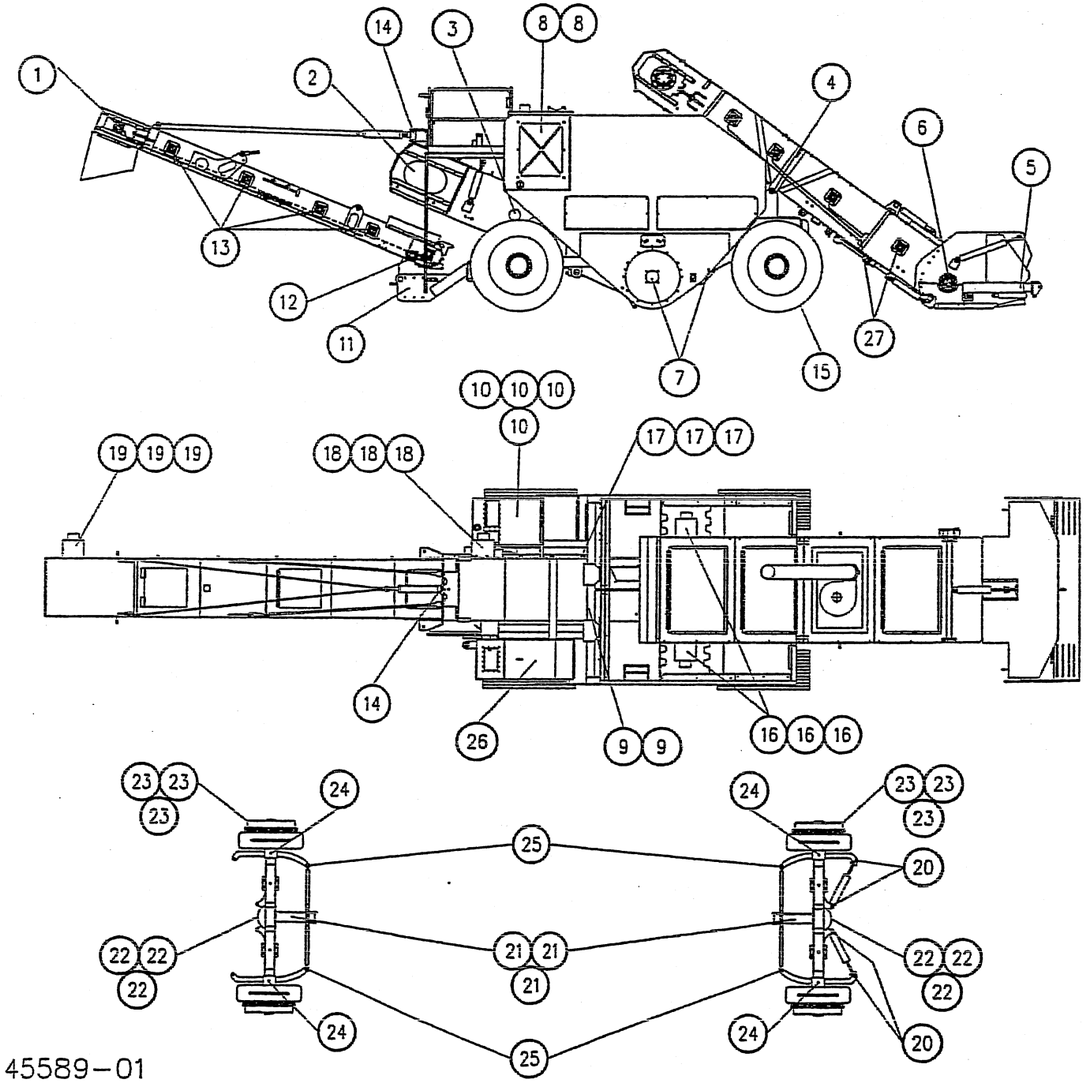
all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

A		8/4/00	SUPPLIER REV A FOR #4 BLEED PORTS	DLS	

ROADTEC

PART NAME	HYD CYL – 4 BORE x 1.75 ROD x 21 STROKE		
01 REQ'D PER	SHEET NO 1 of 1	FAB CODE 000	EFFECTIVE S/N 000
DRAWN BY SWEARINGEN	CHECKED BY	DWG NO 144901-01	REV. A
SCALE 1	DATE 6/13/00		

SB-2500B LUBRICATION CHART



145589-01

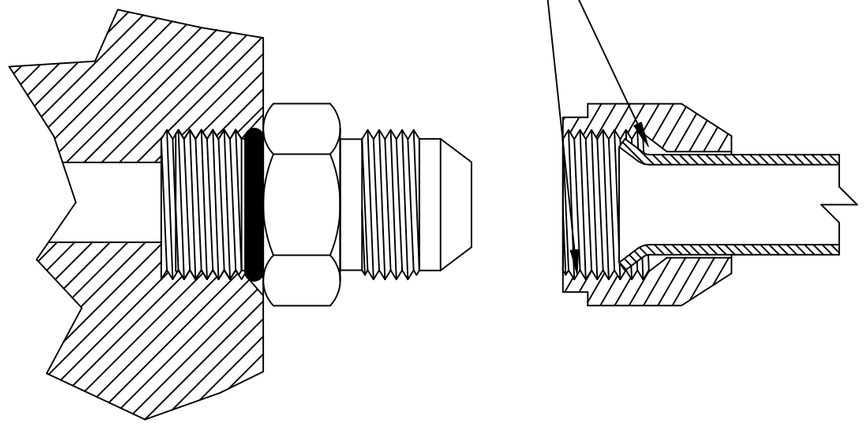
INTERVAL HOURS	REF. NO.	IDENTIFICATION	NO. OF POINTS	TYPE OF LUBRICATION	REMARKS
RED DAILY	1	C-3 HEADSHAFT	2	HTG	8 SHOTS (WHILE HOT)
	2	C-2 HEADSHAFT	1	HTG	8 SHOTS (WHILE HOT)
	3	C-2 IDLERS	4	HTG	5 SHOTS (WHILE HOT)
	4	WINDROW PIVOT TUBE (OPTIONAL)	1	HTG	5 SHOTS
	5	C-1 TRUCK DUMP VIBRATOR	2	HTG	3 SHOTS (WHILE HOT)
	6	C-1 TAILSHAFT	4	HTG	8 SHOTS (WHILE HOT)
	7	C-2 TAILSHAFT	4	HTG	8 SHOTS (WHILE HOT)
	8	RADIATOR COOLANT	1	50/50 ANTIFREEZE	CHECK LEVEL
	9	ENGINE CRANKCASE COMPONENTS	N/A	VARIOUS	REFER TO ENGINE MANUAL
	10	HYDRAULIC TANK	1	HO	CHECK LEVEL
	11	C-3 PIVOT	3	HTG	5 SHOTS
	12	C-3 TAILSHAFT	2	HTG	8 SHOTS (WHILE HOT)
	13	C-3 IDLER BEARINGS	8	HTG	5 SHOTS (WHILE HOT)
	27	C-1 IDLER BEARINGS	8	HTG	5 SHOTS (WHILE HOT)
YELLOW 50 HOURS	9	ENGINE AIR CLEANER	1	N/A	CLEAN OR REPLACE
	10	HYDRAULIC FILTERS	6	N/A	REPLACE ELEMENTS FIRST 50 HOURS THEN EVERY 250 HOURS
	14	C-3 LIFT PIVOT	2	HTG	3 SHOTS
	15	TIRES	4	75 p.s.i.	CHECK
	16	C-1 PLANETARY	2	EP-90	CHECK LEVEL
	17	PUMP DRIVE GEARBOX	1	EP-90	CHECK LEVEL
	18	C-2 PLANETARY DRIVE	1	EP-90	CHECK LEVEL
	19	C-3 PLANETARY DRIVE	1	EP-90	CHECK LEVEL
	20	FRONT AXLE STEERING CYLINDER	4	HTG	3 SHOTS
	21	FRONT & REAR AXLE 2-SPEED	2	EP-90	CHECK LEVEL
	22	FRONT & REAR AXLE DIFFERENTIAL	2	MIL-L 2105C (85W140)	CHECK LEVEL
	23	FRONT & REAR AXLE WHEEL HUB	4	MIL-L 2105C (85W140)	CHECK LEVEL
	24	FRONT & REAR AXLE KINGPIN	8	MLGI-1	2 SHOTS
	25	FRONT & REAR AXLE TIE RODS	4	HTG	2 SHOTS

INTERVAL HOURS	REF. NO.	IDENTIFICATION	NO. OF POINTS	TYPE OF LUBRICATION	REMARKS
GREEN 250 HOURS	10	HYDRAULIC TANK	1	HO	DRAIN ACCUMULATED WATER & REFILL
	10	HYDRAULIC FILTERS	6	HO	REPLACE 2 ELEMENTS PER FILTER
	10	HYDRAULIC TANK BREATHER FILTER	1	N/A	CHECK & REPLACE IF NECESSARY
	16	C-1 PLANETARY DRIVE	2	EP-90	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	17	PUMP DRIVE GEARBOX	1	EP-90	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	18	C-2 PLANETARY DRIVE	1	EP-90	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	19	C-3 PLANETARY DRIVE	1	EP-90	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	21	FRONT & REAR AXLE 2-SPEED	2	EP-90	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	22	FRONT & REAR AXLE DIFFERENTIAL	2	EP-90	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	23	FRONT & REAR AXLE WHEEL HUBS	4	MIL-L 2105C (85W140)	DRAIN-FLUSH-REFILL FIRST 250 HRS THEN 1000 HRS THEREAFTER
	26	FUEL TANK	1	N/A	DRAIN ACCUMULATED WATER & REFILL
BLUE 1000 HOURS	8	RADIATOR	1	50/50 ANTIFREEZE	DRAIN-CLEAN-REFILL
	10	HYDRAULIC TANK	1	HO	DRAIN & FLUSH OIL-CHANGE ALL FILTERS-CLEAN ALL BREATHERS
	16	C-1 PLANETARY DRIVE	2	EP-90	DRAIN-FLUSH-REFILL
	17	PUMP DRIVE GEARBOX	1	EP-90	DRAIN-FLUSH-REFILL
	18	C-2 PLANETARY DRIVE	1	EP-90	DRAIN-FLUSH-REFILL
	19	C-3 PLANETARY DRIVE	1	EP-90	DRAIN-FLUSH-REFILL
	21	FRONT & REAR AXLE 2-SPEED	2	EP-90	DRAIN-FLUSH-REFILL
	22	FRONT & REAR AXLE DIFFERENTIAL	2	MIL-L 2105C (85W140)	DRAIN-FLUSH-REFILL
	23	FRONT & REAR AXLE WHEEL HUBS	4	MIL-L 2105C (85W140)	DRAIN-FLUSH-REFILL

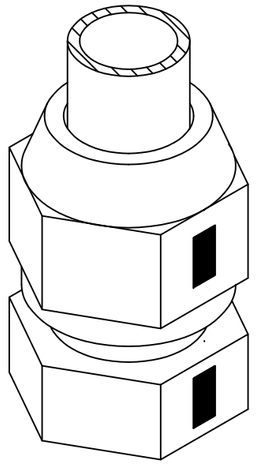
EO -ENGINE OIL-SAE 15W40-VALVOLINE PREMIUM BLUE, ALL-FLEET PLUS OR EQUIVALENT
HTG -HIGH TEMPERATURE GREASE-NGLI GRADE2-VALVOLINE CERULEAN, PALLADIUM, OR EQUIVALENT
HO -HYDRAULIC OIL-ISO VIS. GRADE 46-VALVOLINE ANTI-WEAR HYDRAULIC OIL OR EQUIVALENT
GO -GEAR OIL-SAE 80W90-VALVOLINE HIGH PERFORMANCE GEAR OIL OR EQUIVALENT

Valvoline

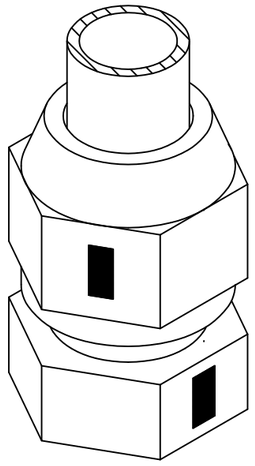
LUBRICATE THREADS AND BACKSIDE OF FLARE BEFORE CONNECTING TO FITTING.



EXAMPLE - #8 JIC HOSE END



SNUG JOINT WITH FLATS MARKED



TIGHT JOINT WITH 1 FLAT FROM FINGER TIGHT

JIC FITTING INSTALLATION

USING FLATS FROM FINGER TIGHT (F.F.F.T.) METHOD

1) LUBRICATE THE THREADS AND BACKSIDE OF JIC FLARE IN FEMALE SWIVEL NUT. USE PENETRATING OIL, WD-40, OR EQUIVALENT.

2) ASSEMBLE NUT TO MALE JIC FITTING. HAND TIGHTEN TO SNUG CONNECTION. ANGULAR FEMALE SURFACE MUST BE SEATED OR IN LIGHT CONTACT W/MALE 37° SURFACE. ON LARGE FITTINGS, IT MAY BE NECESSARY TO USE A WRENCH TO PULL NUT AND SEATS INTO THIS INITIAL REFERENCE POSITION.

3) MAKE A MARK ON ONE FLAT OF NUT HEX AND CONTINUE IT ONTO THE BODY HEX. (WITH EXPERIENCE, IT MAY NOT BE NECESSARY TO MARK THE FITTINGS. RATHER, VISUAL ALIGN THE FLATS AND TIGHTEN AS PER STEP 5.)

4) WHEN NECESSARY, USE A SECOND WRENCH TO PREVENT UNWANTED ROTATION OF FITTING BODY, HOSE CONNECTOR STEM, ETC.

5) TIGHTEN THE JOINT BY THE NUMBER OF FLATS SHOWN IN THE TABLE BELOW.

SAE DASH SIZE	ASSEMBLY TORQUE (FT LB)	TUBE CONNECTION F.F.F.T.	SWIVEL NUT OR HOSE END F.F.F.T.
-4	12	2	2
-6	21	1-1/2	1-1/4
-8	45	1-1/2	1
-10	60	1-1/2	1
-12	85	1-1/4	1
-16	120	1	1
-20	170	1	1
-24	200	1	1
-32	270	1	1

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

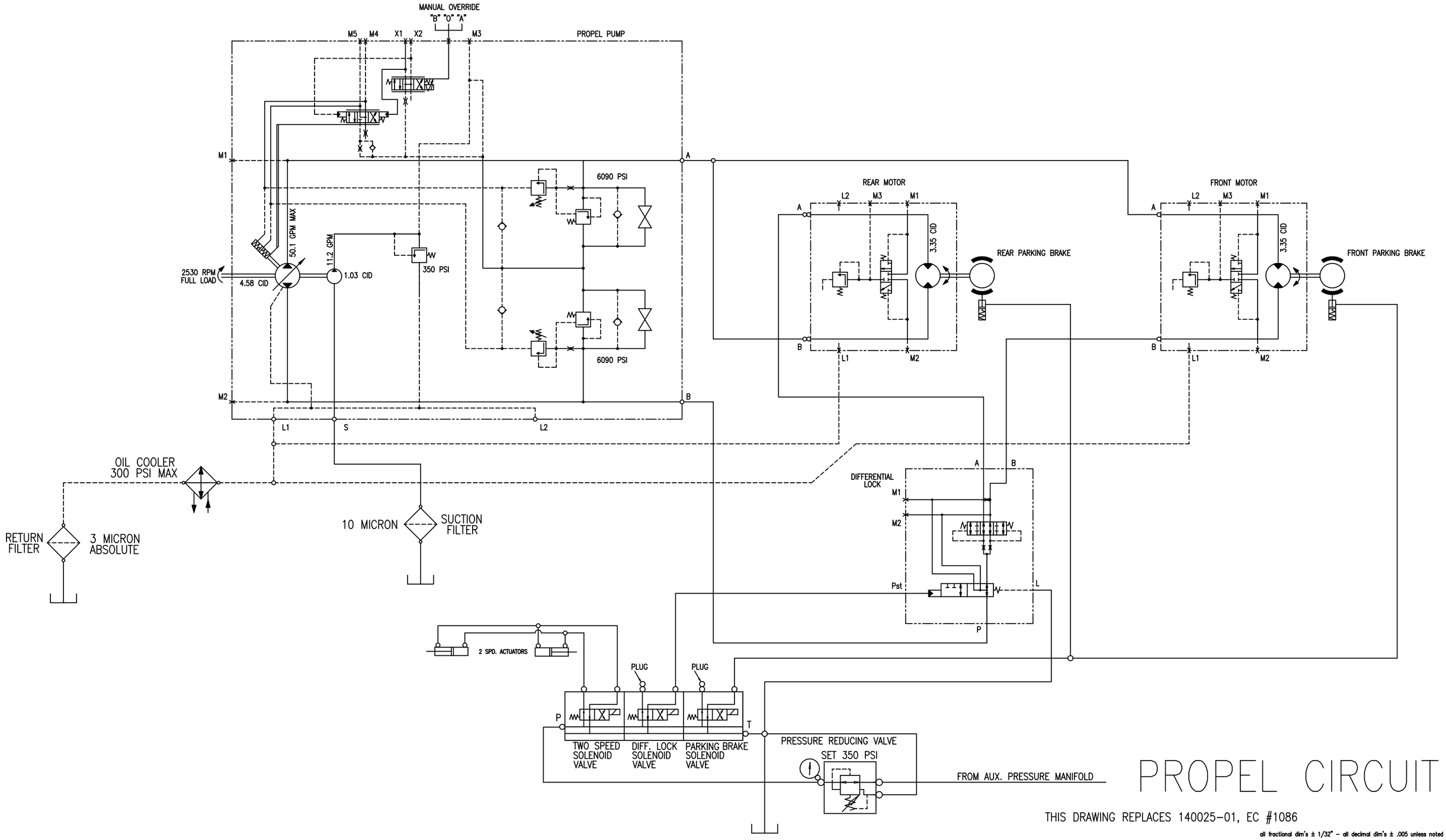
ROADTEC

PART NAME: INSTRUCTIONS - JIC FITTING ASSEMBLY

REQ'D PER | SHEET NO: 1 of 1 | FAB CODE | EFFECTIVE S/N: 000

DRAWN BY: DLS | CHECKED BY | DWG NO: 134914-02 | REV.: 0

SCALE: NONE | DATE: 5/19/97



PROPEL CIRCUIT

THIS DRAWING REPLACES 140025-01, EC #1086

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

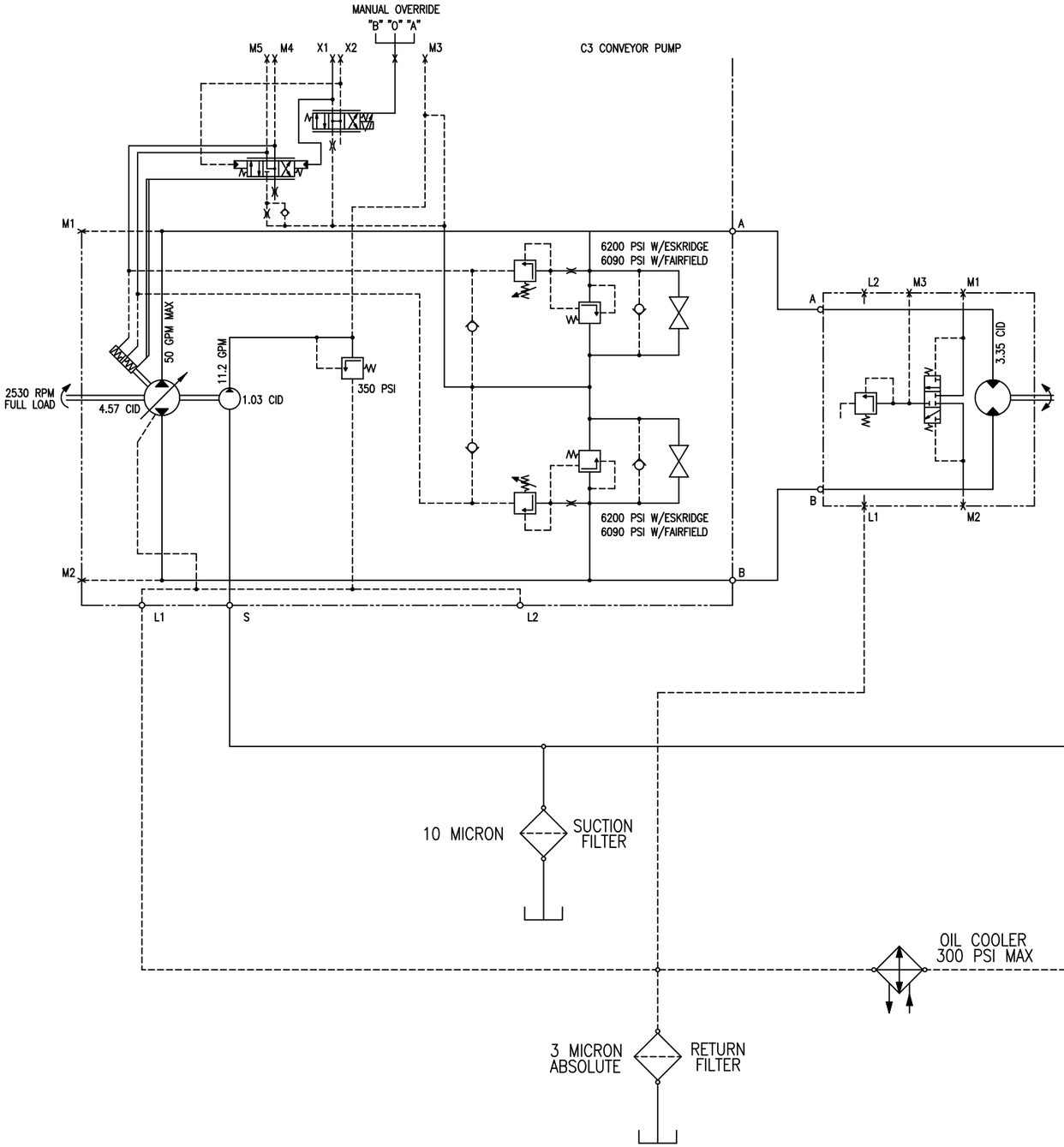
ROADTEC

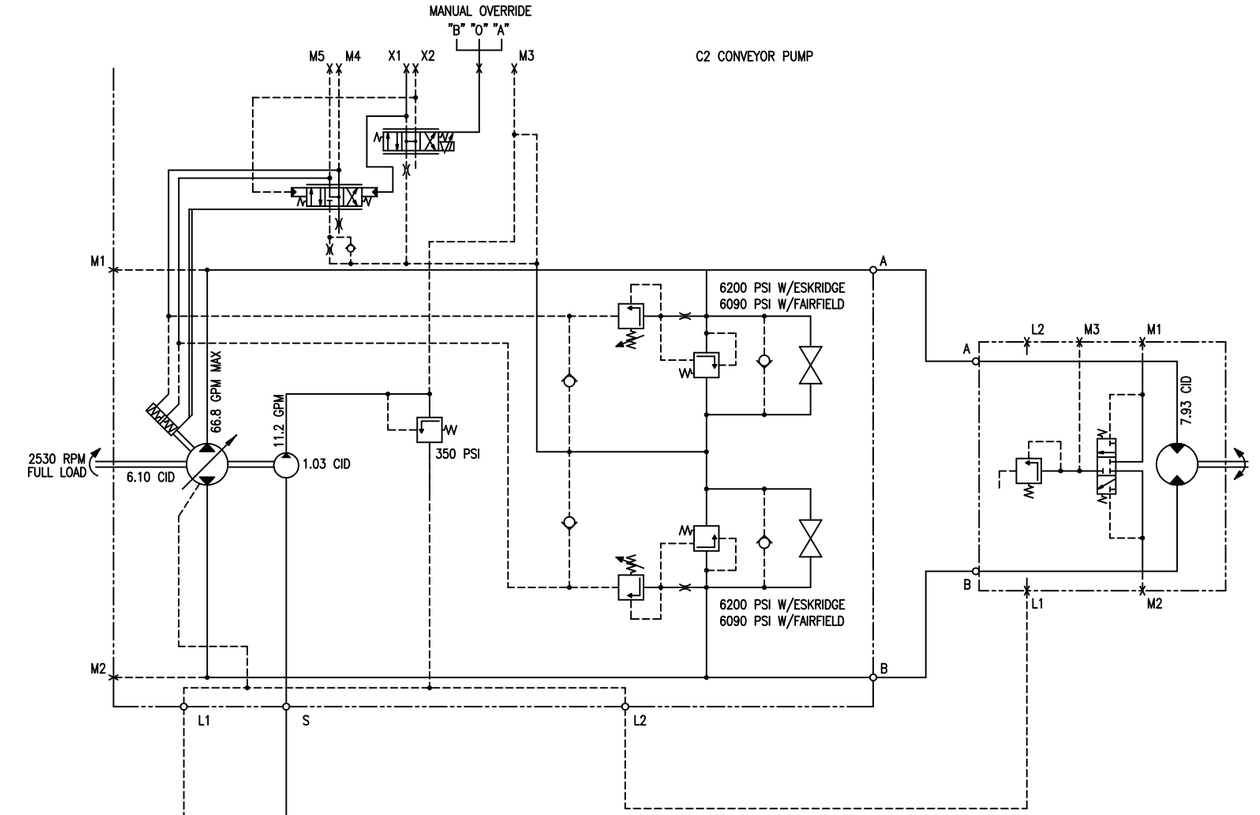
PART NAME: HYDRAULIC SCHEMATIC

01 REQ'D PER SB2500B

DRAWN BY	CHECKED BY	SHEET NO	FAB CODE	EFFECTIVE S/N
JHB		1 of 6	615	585

SCALE	DATE	DWG NO	REV.
1/2=1	3/5/01	147116-01	0





C-2/C-3 CIRCUIT

THIS DRAWING REPLACES 140025-01, EC #1086

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

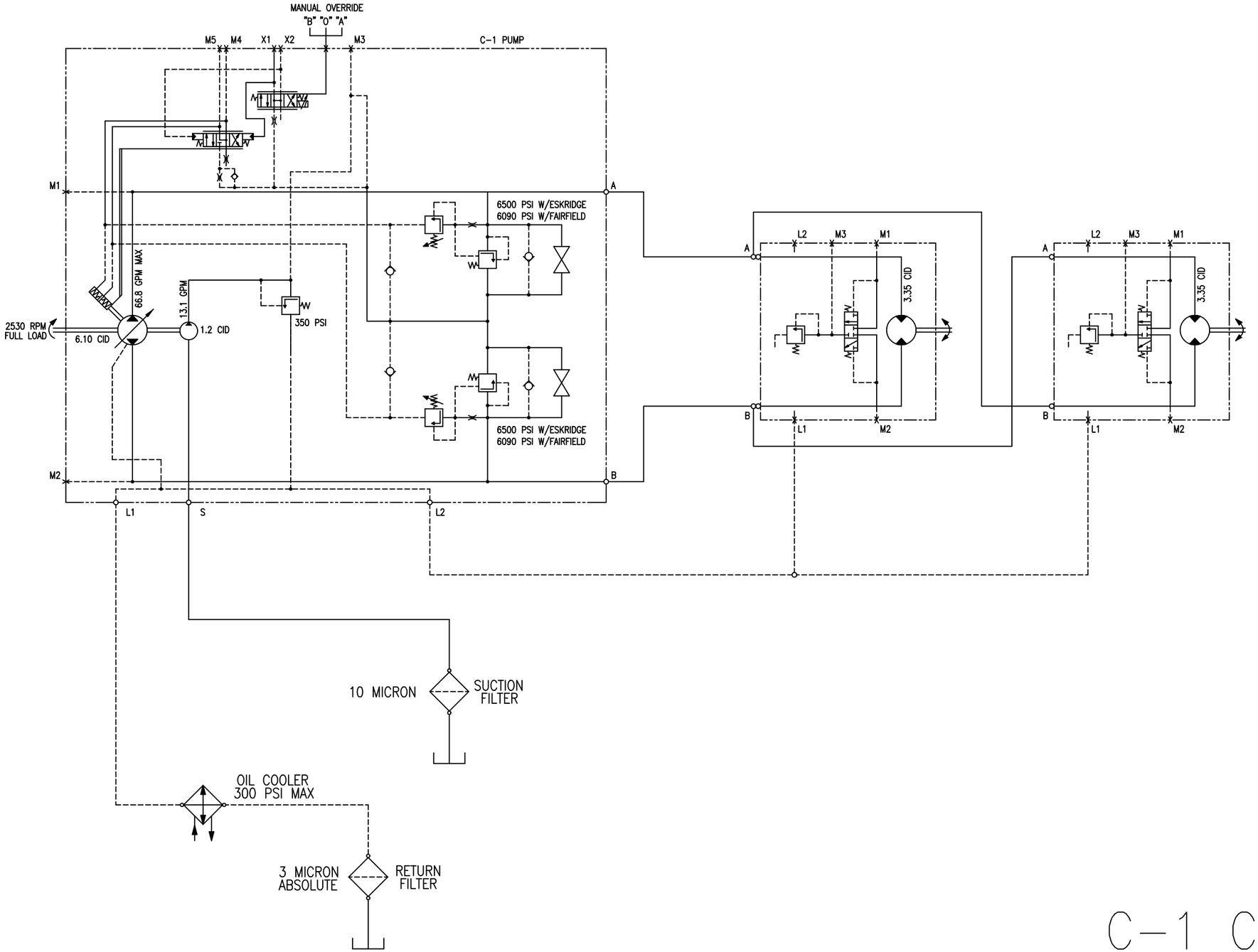
PART NAME: HYDRAULIC SCHEMATIC

01 REQ'D PER SB2500B

SHEET NO	FAB CODE	EFFECTIVE S/N
2 of 6	615	585

DRAWN BY	CHECKED BY	DWG NO	REV.
JHB		147116-01	0

SCALE: 1/2=1 DATE: 3/5/01



C-1 CIRCUIT

THIS DRAWING REPLACES 140025-01, EC #1086

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

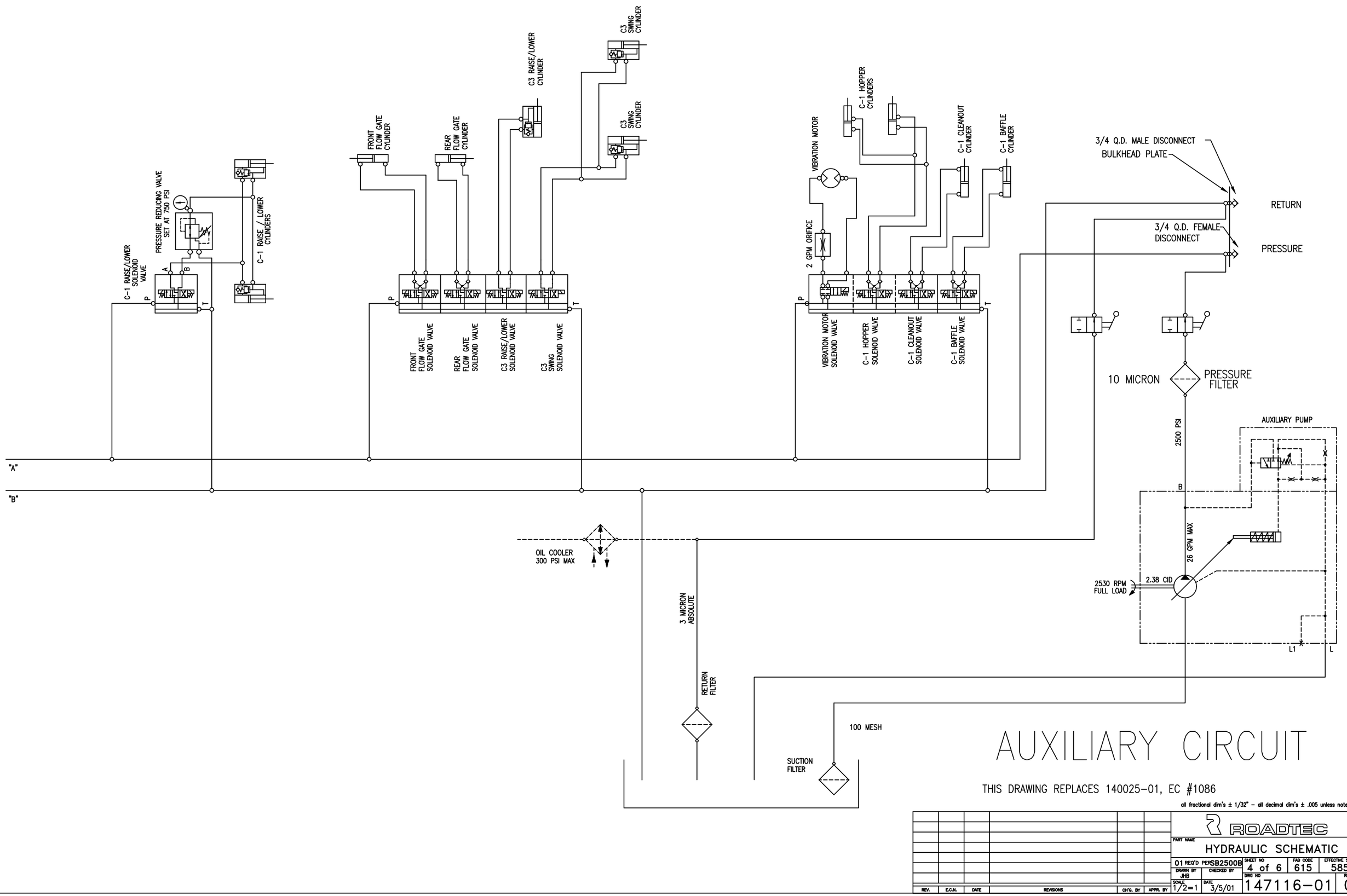
PART NAME: HYDRAULIC SCHEMATIC

01 REQ'D PER SB2500B

SHEET NO	FAB CODE	EFFECTIVE S/N
3 of 6	615	585

DRAWN BY	CHECKED BY	DWG NO	REV.
JHB		147116-01	0

SCALE: 1/2=1 DATE: 3/5/01



AUXILIARY CIRCUIT

THIS DRAWING REPLACES 140025-01, EC #1086

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

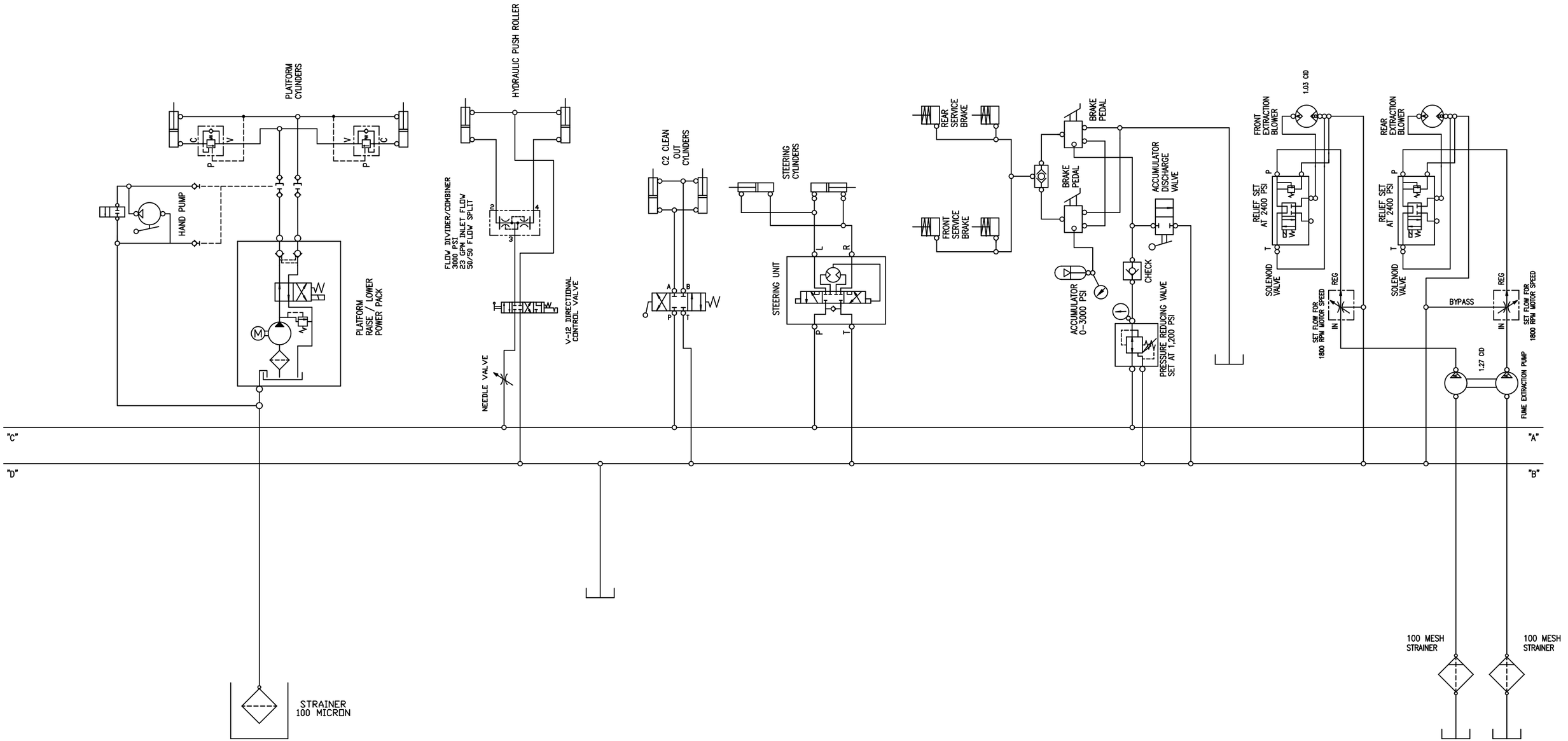
ROADTEC

PART NAME: HYDRAULIC SCHEMATIC

01 REQ'D PER SB2500B | SHEET NO 4 of 6 | FAB CODE 615 | EFFECTIVE S/N 585

DRAWN BY JHB | CHECKED BY | DWG NO 147116-01 | REV. 0

SCALE 1/2=1 | DATE 3/5/01



AUXILIARY CIRCUIT CON'T

THIS DRAWING REPLACES 140025-01, EC #1086

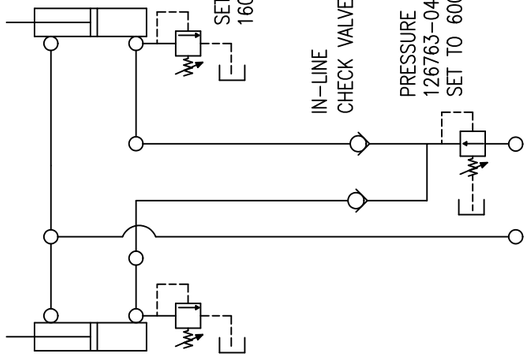
all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

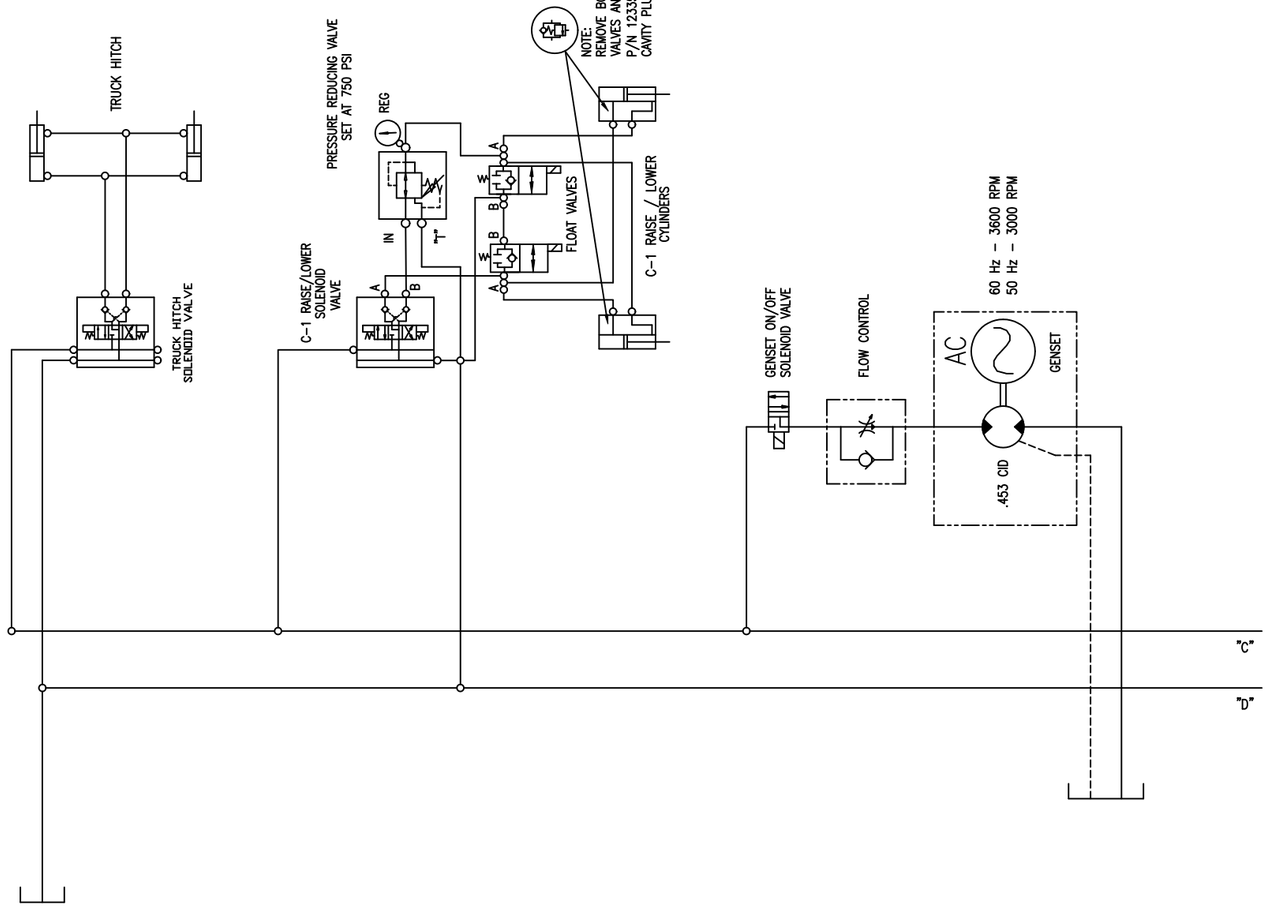
PART NAME: HYDRAULIC SCHEMATIC

01 REQ'D PER SB2500B	SHEET NO 5 of 6	FAB CODE 615	EFFECTIVE S/N 585
DRAWN BY JHB	CHECKED BY		
SCALE 1/2=1	DATE 3/5/01	DWG NO 147116-01	REV. 0



CYLINDER
PN. 135016-03
2 1/2" BORE
1 1/4" ROD
5" STROKE
20.26" EXT'D

HYDRAULIC WINDROW SCRAPER RELIEF CIRCUIT



OPTIONS

THIS DRAWING REPLACES 140025-01, EC #1086

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: HYDRAULIC SCHEMATIC			
01 REQ'D PER SB2500B	SHEET NO: 6 of 6	FAB CODE: 615	EFFECTIVE S/N: 585
DRAWN BY: JHB	CHECKED BY:	DWG NO: 147116-01	REV: 0
SCALE: 1/2=1	DATE: 3/5/01		

ALWAYS REFER TO THE MACHINE SERIAL NUMBER WHEN ORDERING PARTS OR WRITING FOR INFORMATION. SPACE IS PROVIDED BELOW TO RECORD PERTINENT INFORMATION CONCERNING YOUR MACHINE.

SERIAL NUMBER:	
DATE PURCHASED:	
ENGINE MAKE:	
ENGINE MODEL:	

CHANGES

PARTS INFO.	SERVICE INFO.	GROUP	PAGE	NOTES

NOTES:

FOR ADDITIONAL INFORMATION OR ASSISTANCE :

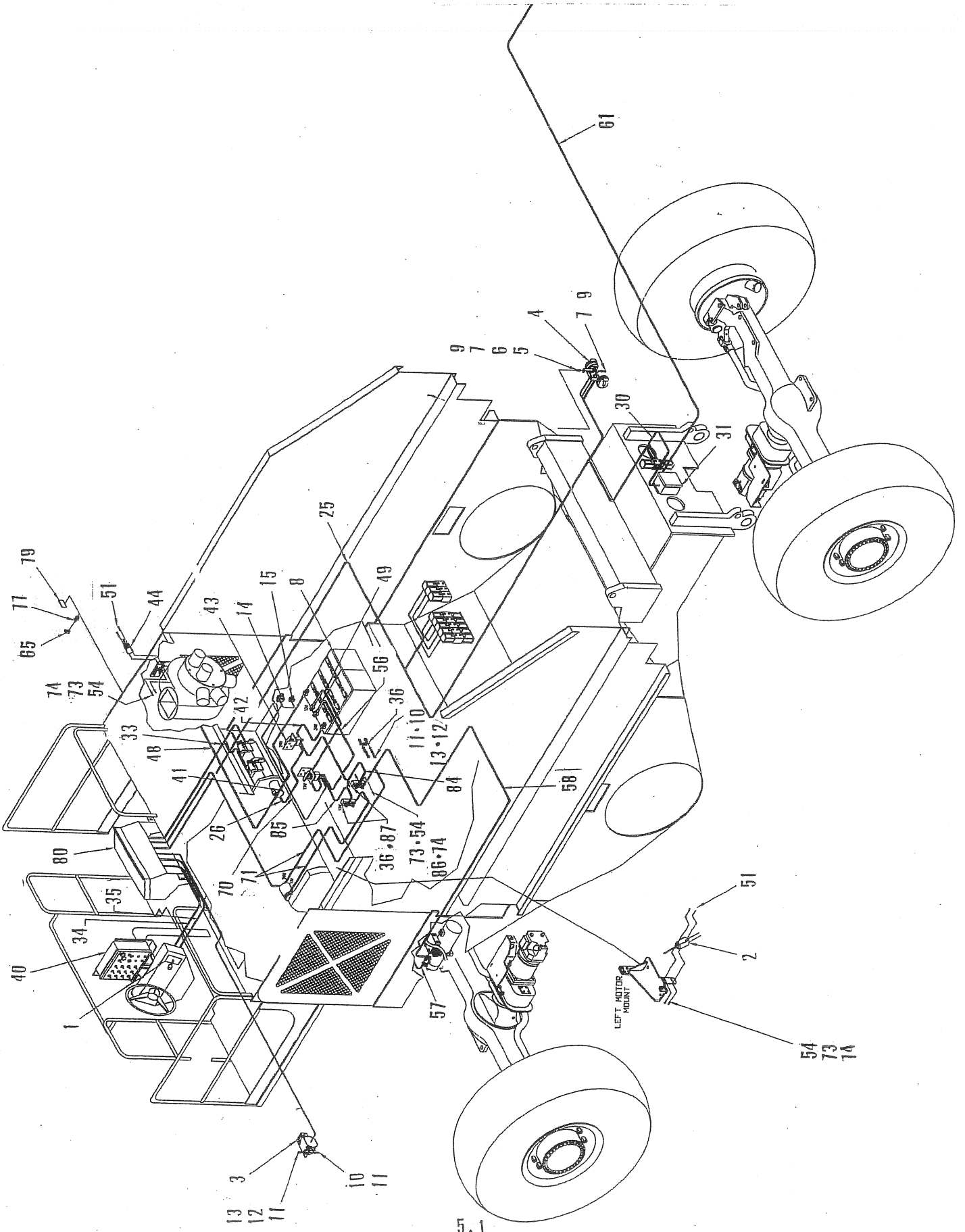
ROADTEC,INC.
800 MANUFACTURERS RD.
P.O. BOX 180515
CHATTANOOGA, TN. 37404-7515
PHONE: 423-265-0600
1-800-272-7100
FAX: 423-267-7104

ROADTEC, INC - PARTS
2090 RIVERSIDE DRIVE
CHATTANOOGA, TN. 37406
PHONE: 423-622-9202
1-877-266-8882
FAX: 423-622-9072

SECTION 5 : ELECTRICAL

ASSEMBLY	PART NO.	S/N	PAGE NO.
ELECTRICAL WIRING	146778-01	600 & UP	5.1
CTR. CONSOLE	145966-01		5.6
REMOTE START CNTL. BOX	145965-02		5.10

ELECTRICAL ASSEMBLY (J. DEERE)
(146778-01)

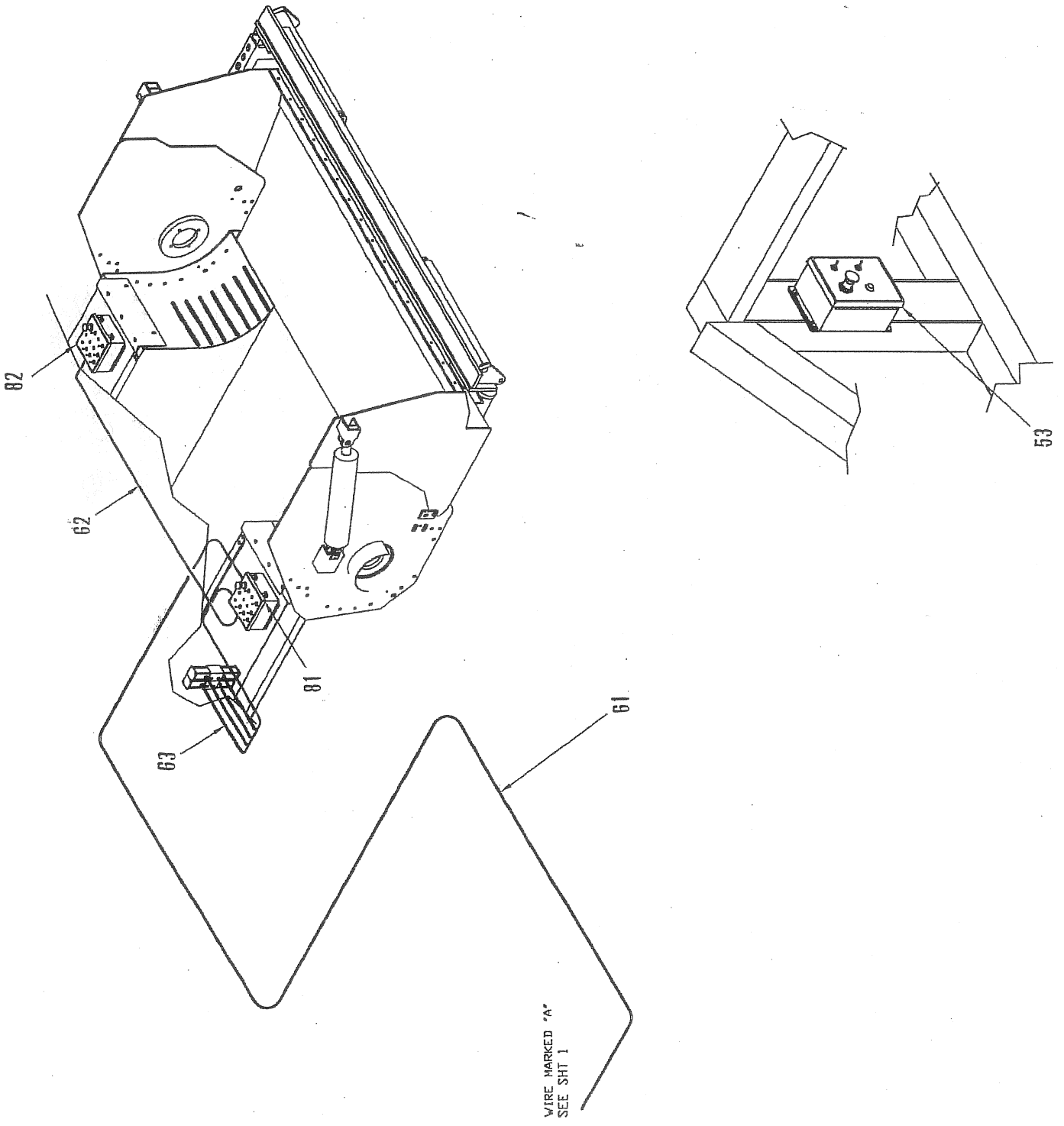


ELECTRICAL ASSEMBLY (J. DEERE ENGINE)
(146778-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	145675-01	OPERATORS DRIVE CONSOLE	1
2	145333-01	WIRE HARNESS - RAD. LIMIT SWITCH	1
3	89077-04	REVERSING ALARM	1
4	97779-04	ALARM - HORN ELEC. TWIN-TONE 12 V.	1
5	83065	LOCKWASHER 1/4" SPRING STEEL	9
6	89772	NUT, HEX 1/4 - 20 GD. 8	9
7	89988-04	BOLT, HEX 1/4 - 20 X 3/4"	4
8	11S35	BATTERY - WET CHARGED 4D 12 V.	2
9	84444	FLAT WASHER 1/4" STEEL	18
10	84332	BOLT, HEX 3/8 - 16 X 1"	28
11	83757	FLAT WASHER 3/8" STEEL	56
12	83056	LOCKWASHER 3/8" SPRING STEEL	28
13	83055	NUT, HEX 3/8 - 16 GD. 8	28
14	20Z54	CIRCUIT BREAKER 60 AMP.	1
15	90930-04	CIRCUIT BREAKER 40 AMP.	1
16	92756-04	4-PIN CONNECTOR	4
17	127519	3-PIN MATING BAG	1
18	127520	ELEC. WEATHER PACK CON	2
19	98319	FEMALE SPADE TERMINAL	5
20	90093	1/2" # 10 RING TERMINAL	2
21	121396	FEMALE CONNECTOR	10
22	95018	WIRE - STDD #8 TFFN BLK, GRN, RED, WHITE	396"
23	141154-01	WIRE HARNESS - MAIN BRKR., WASHDOWN, FXS	1
24	95578	WIRE - 16 GA. BLK, WHITE, RED	120"
25	148334-01	WIRE HARNESS - VALVE STACK	1
26	146126-04	BATTERY CABLE - STARTER TO ISO SWITCH	1
27	95019	WIRE - STRANDED #10 TFFN	480"
28	87856-04	WIRE - 12 GA. AWG BLK, WHITE, RED	540"
29	84316-04	WIRE - 16 - 2 ALPHA	312"
30	141156-01	WIRE HARNESS - C1 JUNCTION BOX	1
31	142294-02	C1 JUNCTION BOX	1
32	92498-04	WIRE - 16 GA. BLUE W/ RED STRIPE	192"
33	146134-01	WIRE HARNESS - ENGINE	1
34	141155-01	WIRE HARNESS - CABLE 4-1	1
35	141157-01	WIRE HARNESS - CABLE 4	1
36	146287-04	FUSIBLE LINK 150 amp	3
37	83648-04	TERMINAL 3/8 RING #10	5
38	90093	WIRE - 1/2" EYE X #10 RING	2
39	13E68	TOGGLE SWITCH	1
40	145414-01	STEERING BOX ELECT. ASSY.	1

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
41	146115-04	BATTERY CABLE - NEG. TO STARTER	1
42	146124-04	BATTERY CABLE - 24 V. TO ISO SWITCH	1
43	130644	BATTERY ISO. SWITCH	1
44	145266-02	LIMIT SWITCH W/ WOBBLE-LEVEL	1
45	86505-04	MOLDING - 3/8" INTERLOCK	1
46	98550-04	MOLDING - 1/2" INTERLOCK	6
47	126976	WIRE TIE - 3/16" X 5 1/2" NYLON	200
48	146127-04	BATTERY CABLE - GRD. TO MAINFRAME	1
49	146125-04	BATTERY CABLE - 12 V. TO ISO SWITCH	1
50	95578	WIRE - 16 GA. BLK, WHITE, RED	60
51	80175	BOLT, SOCK. HD. #10 - 32 X 2"	4
52	141038	ELEC. TAPE 3/4" X 60 YD.	3
53	145965-02	REMOTE START CNTL. BOX	1
54	92552	FLAT WASHER #10	4
55	83657-04	WIRE TIE - 3/16" X 7" NYLON	295
56	146128-04	BATTERY CABLE - GRD. TO ISO. SWITCH	1
57	144857-04	BATTERY CABLE - GRD. TO POWER PACK	1
58	146129-04	BATTERY CABLE - ISO SWITCH TO POWER PACK	1
59	99965	CLAMP - 2" RUBBERIZED TUBE	2
60	146777-01	ELECTRICAL SCHEMATIC	1
61	142310-03	WIRE HARNESS - C1 JUNC. TO C1 CNTL.	1
62	142311-03	CROSS-OVER HARNESS (C1 CNTL. BOX)	1
63	142312-03	WIRE HARNESS - C1 CNTL. VALVE STACK	1
64	91989-04-C1	LIGHT KIT - 12 VDC FOR TACH.	1
65	97490-C1	SWITCH COVER	4
66	83649-04	TERMINAL - FEMALE SPADE .20EA	10
67	120276-C1	KNOB - 1/4" SHAFT FOR POTENT.	2
68	97581-C3	LIGHT CLAMP KIT - 12 VDC FOR GAUGES	1
69	83905-04	WIRE TIES - 1/4" X 14" NYLON	200
70	146130-03	WIRE HARNESS - 60 AMP BREAKER	1
71	146132-01	WIRE HARNESS - ALTERNATOR	1
72	146133-03	WIRE HARNESS - STARTER	1
73	90102	NUT, HEX #10 - 32	4
74	90103	LOCKWASHER #10	4
75	144409-03	TEMP. SWITCH - 235 F. & RISING	1
76	93118	12 V. START ASSIST SOLENOID	1
77	97543	SWITCH - SW/OFF/ST TOGGLE SPDT	1
78	142461	YELLOW #10 FORK TERM.	1
79	144443-04	DATA PLATE - C3 CLEAN-OUT DOOR	1
80	145460-01	CENTER CONSOLE ELECTICAL ASSY.	1

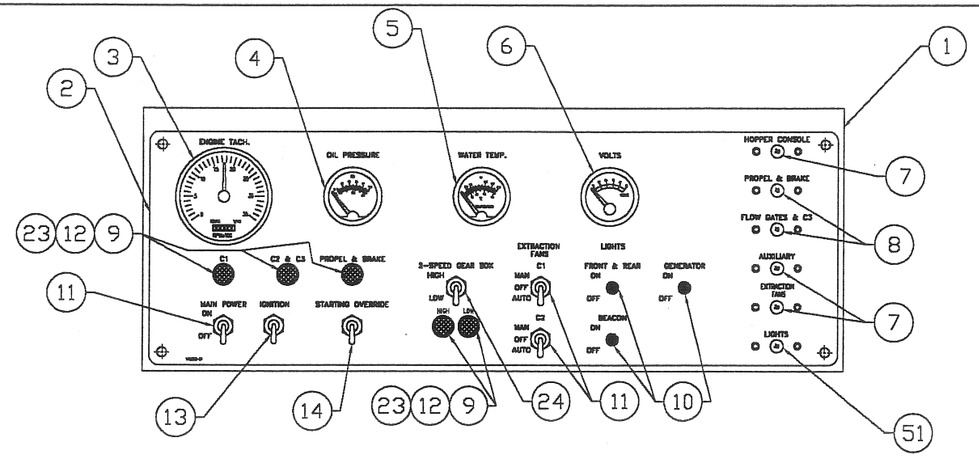
ELECTRICAL ASSEMBLY (J. DEERE)
(146778-01)



ELECTRICAL ASSEMBLY (J. DEERE ENGINE)
(146778-01)

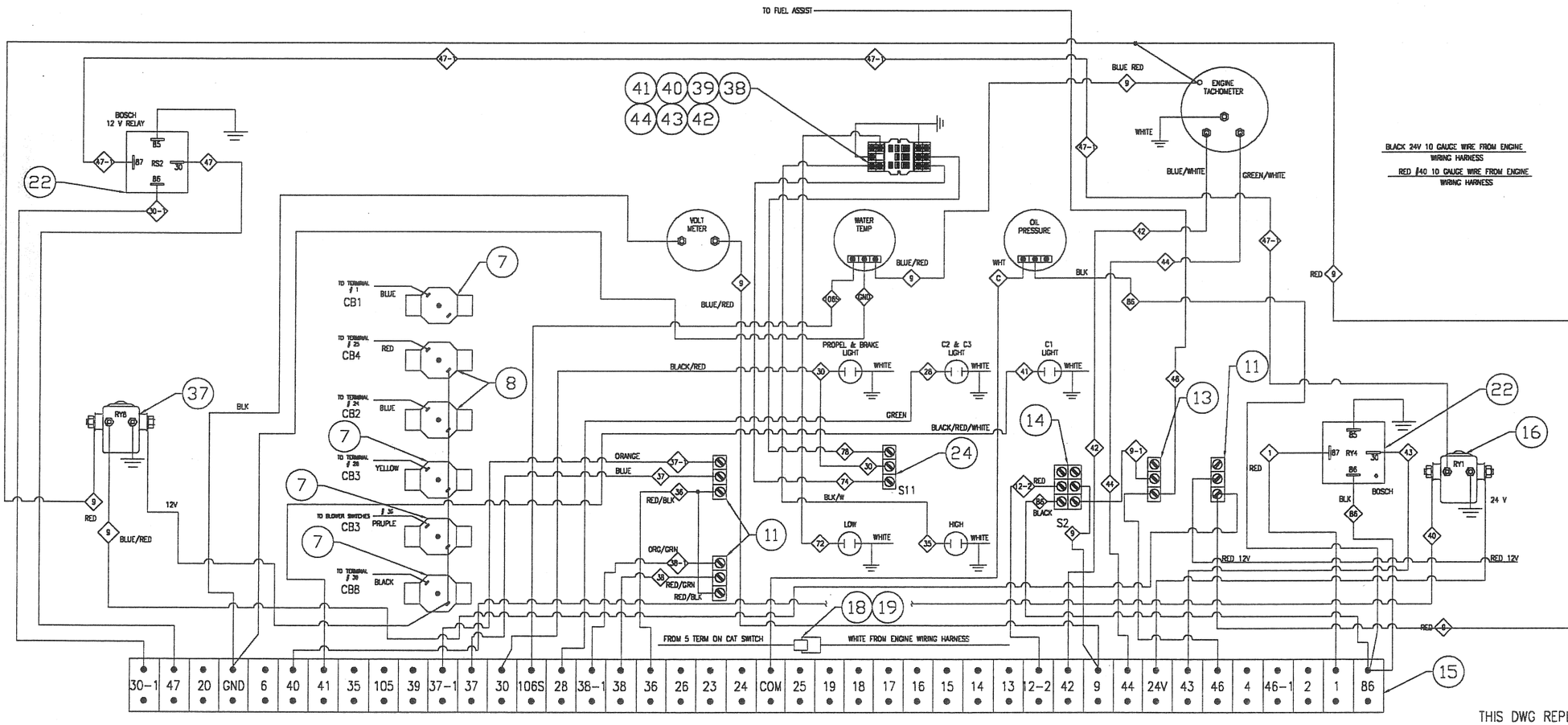
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
81	145415-01	R.H. OPERATORS CONTROL BOX	1
82	145416-01	L.H. OPERATORS CONTROL BOX	1
83	146131-03	WIRE HARNESS - FUEL VALVE	1
84	146296-04	BATTERY CABLE - FUSIBLE LINK TO ISO	1
85	146298-04	BATTERY CABLE - FUSIBLE LINK TO BATTERY	1
86	135807-04	SCREW, SLOT HD. 10 - 32 X 1"	4
87	146264-04	FUSIBLE LINK BASE	2
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
121			
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QTY	ITEM	IDENT	DESCRIPTION
3	29	98986-04	WIRE ¤ #8 TERMINAL #10 POST (NOT SHOWN)
2	30	121538	WIRE ¤ INSULATED FEMALE CONN (NOT SHOWN)
2	31	90553	WIRE ¤ RING TERMINAL 1/4
3	32	93988	STUD ¤ 10 AWG 5/16 (NOT SHOWN)
4	33	128219	WIRE ¤ RING TERMINAL
6	34	97735	WIRE ¤ FEMALE INSL.SPADE TERMINAL
3	35	121539	ELEC ¤ MALE CONNECTOR (NOT SHOWN)
10	36	98319	WIRE ¤ FEMALE SPADE TERMINAL
1	37	135727-04	ELEC ¤ POWER RELAY 12VDC 65 AMP
1	38	96776	RELAY ¤ LATCHING DPDT
1	39	96777	RELAY ¤ BASE
1	40	96777-C1	KIT ¤ CLIP
1	41	80634	MOUNTING TRACK x 4" LG
2	42	80465-04	ELEC ¤ TRACK STOP 60BNLS
2	43	01290	SLOT HEAD SCREW ¤ M4 x 10 x 84MM
2	44	45092	NUT ¤ VM4-0.7/B90 BN 169 LOCK
46	45	97976	ADHESIVE MOUNT
1	46	145671-02	DATA PLATE KIT ¤ TERMINAL ID STRIPS
2	47	89773	BOLT ¤ HEX 1/4"-20 X 1
2	48	89772	NUT ¤ 1/4"-20 HEX GRADE 8
2	49	83065	WASHER ¤ LOCK 1/4" SPRING STEEL
4	50	84444	WASHER ¤ FLAT 1/4" STEEL
1	51	92523-04	CIRCUIT BREAKER 30 AMP
1	52	138601-03	DECAL ~ ALUM NUMBER STICKERS

QTY	ITEM	IDENT	DESCRIPTION
REF	1	120199-01	CENTER CONSOLE WELDMENT
1	2	145968-01	CENTER CONSOLE DATA PLATE
1	3	91989-04	GAUGE ¤ TACH-HOUR METER 12V & 24V
1	4	97582	GAUGE ¤ PRESSURE SHUTDOWN
1	5	131896	GAUGE ¤ WATER TEMPERATURE
1	6	97584	GAUGE ¤ VOLTMETER 12 VOLTS
A 3	7	90089	BREAKER ¤ CIRCUIT 20 AMP
2	8	13A04	BREAKER ¤ CIRCUIT 15 AMP
5	9	80446-04	LIGHT ¤ RED JEWEL LENS
3	10	97944-04	HOLE PLUG 1/2
3	11	13E68	SWITCH ¤ TOGGLE
5	12	128180	LIGHT ¤ BULB 12 VOLT 1257SB5
1	13	97542	SWITCH ¤ ON - OFF TOGGLE SP-ST-SR
1	14	135431-04	SWITCH ~ TOGGLE
103	15	13C69	ELEC ¤ TERMINAL BLOCK
1	16	93118	ELEC ¤ 12VOLT START ASSIST SOLENOID
57	17	83856-04	WIRE TIE ¤ 3/16"X 4" NYLON
1	18	121538	WIRE ¤ INSULATED FEMALE CONNECTOR
1	19	121539	ELEC ¤ MALE CONNECTOR
26	20	93253	WIRE ¤TERMINAL RING 16GA. (NOT SHOWN)
24	21	90554	WIRE ¤ RING TERMINAL #10
2	22	121746-04	RELAY ¤ BOSCH 12 VOLT 40 AMPS
5	23	80449-04	LIGHT ¤ SOCKET
1	24	139471	SWITCH ¤ TOGGLE
43	25	126976	WIRE TIE ¤ 3/16"X 5 1/2" NYLON
12	26	83657-04	WIRE TIE ¤ 3/16"X 7" NYLON
2	27	95966	CLAMP ¤ 3/4"CUSHION-TUBE(1/2" BOLT)
75	28	2BY52	ELEC ¤ TERMINAL FEMALE NON-INSU.250



BLACK 24V 10 GAUGE WIRE FROM ENGINE WIRING HARNESS

RED #40 10 GAUGE WIRE FROM ENGINE WIRING HARNESS

THIS DWG REPLACES 145460-01

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

ROADTEC

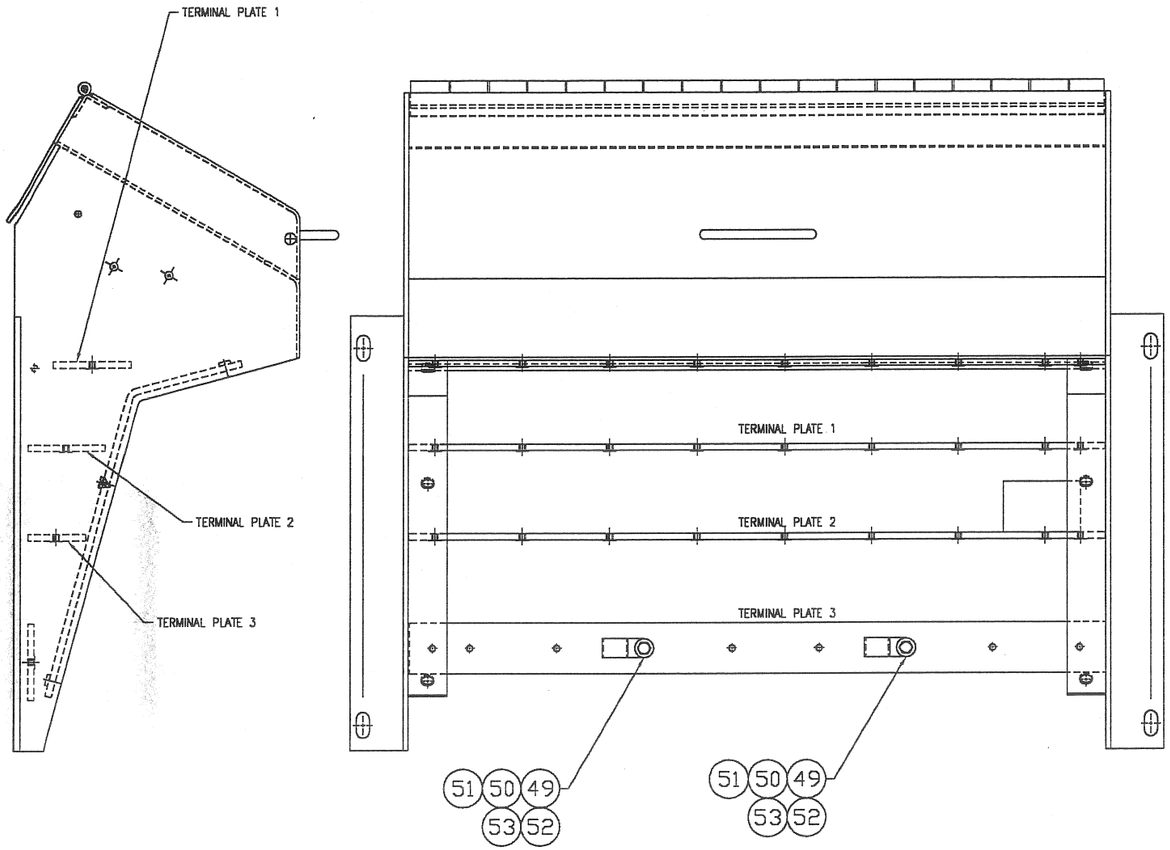
REV.	E.C.N.	DATE	REVISIONS	CHK'D. BY	APPR. BY	

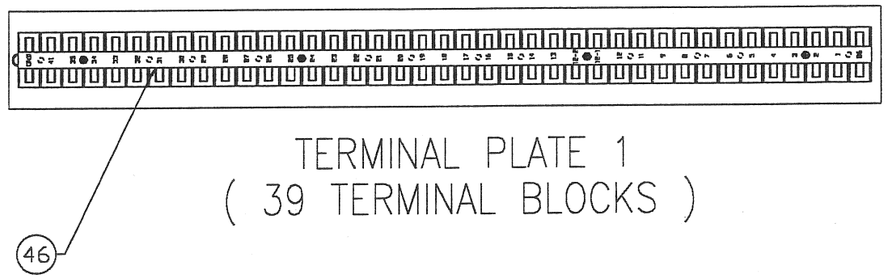
PART NAME: CENTER CONSOLE ELECTRICAL ASSEMBLY

1 REQ'D PER SB2500B | SHEET NO: 1 OF 2 | FAB CODE: 603 | EFFECTIVE S/N: 579

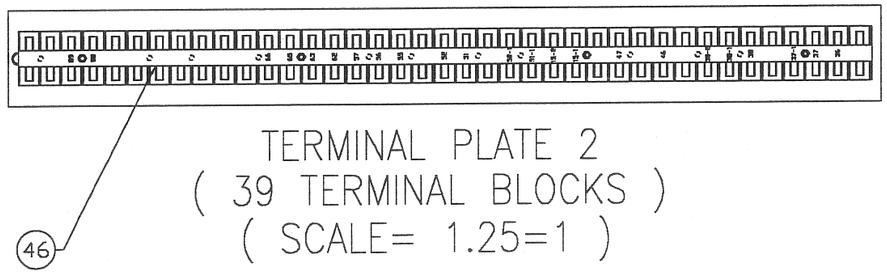
DRAWN BY: JW | CHECKED BY:

SCALE: 3/8=1 | DATE: 8-18-00 | DWG NO: 145966-01 | REV: 0

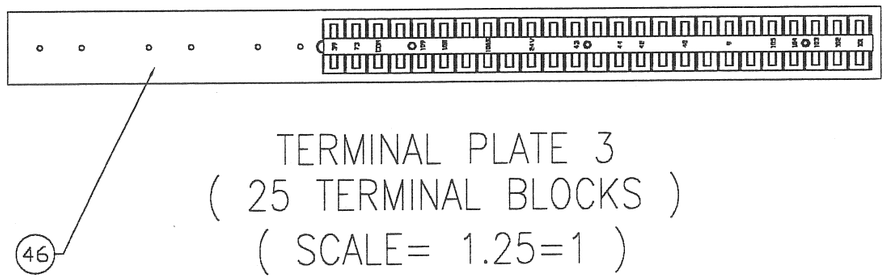




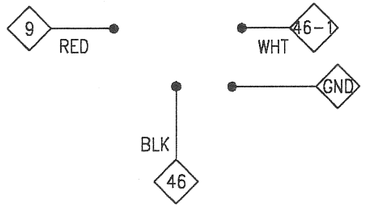
TERMINAL PLATE 1
(39 TERMINAL BLOCKS)



TERMINAL PLATE 2
(39 TERMINAL BLOCKS)
(SCALE= 1.25=1)



TERMINAL PLATE 3
(25 TERMINAL BLOCKS)
(SCALE= 1.25=1)



NOTE:

(1) TERMINAL PLATE 1
#9 ; C-1 JUNCTION BOX ONLY
#7 ; ENGINE HARNESS
#9 ; TO BOSCH RELAY FOR FUEL HOLD # 43

(2) TERMINAL PLATE 3
#9 ; BLACK FROM CAT SWITCH TO FUEL RELAY
#7 ; #2 CABLE OPERATOR CONSOLE
#9 ; #12 CABLE REMOTE START

(3) BLACK #46 ; FROM CAT SWITCH STRIGHT TO FUEL RELAY CONTACT

(4) WHITE #46-1 ; STRIGHT TO FUEL RELAY CONTACT

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'D. BY	APPR. BY
A	~	10-27-00	SEE SHT 1	JW	

ROADTEC

PART NAME: CENTER CONSOLE ELECTRICAL ASSEMBLY

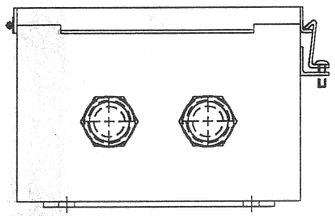
1 REQ'D PER SB2500B | SHEET NO: 2 OF 2 | FAB CODE: 603 | EFFECTIVE S/N: 579

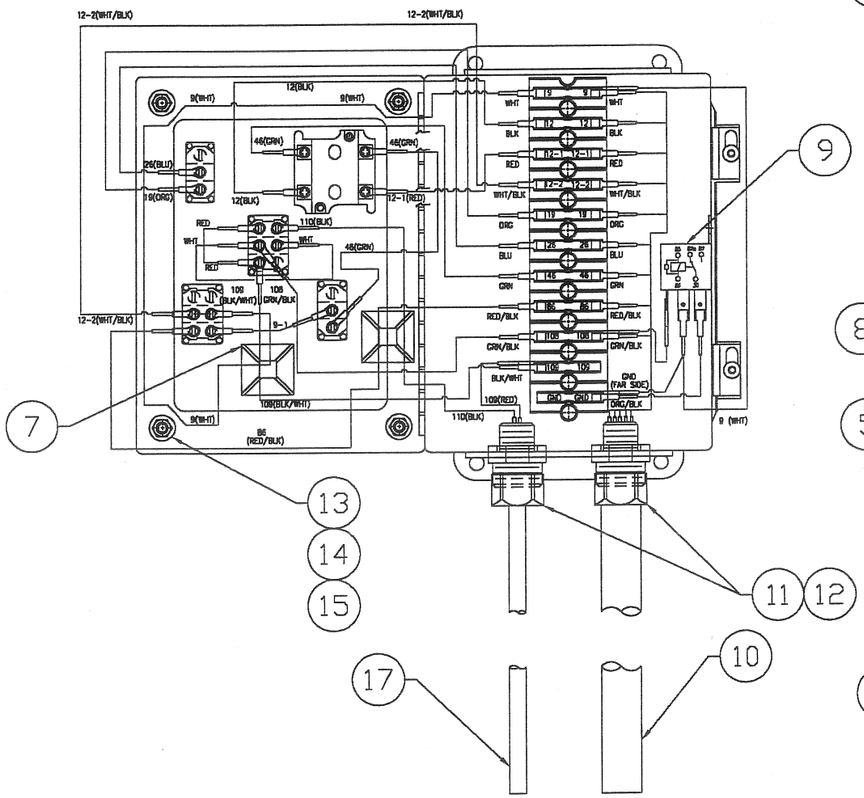
DRAWN BY: JW | CHECKED BY: | DWG NO: 145966-01 | REV: A

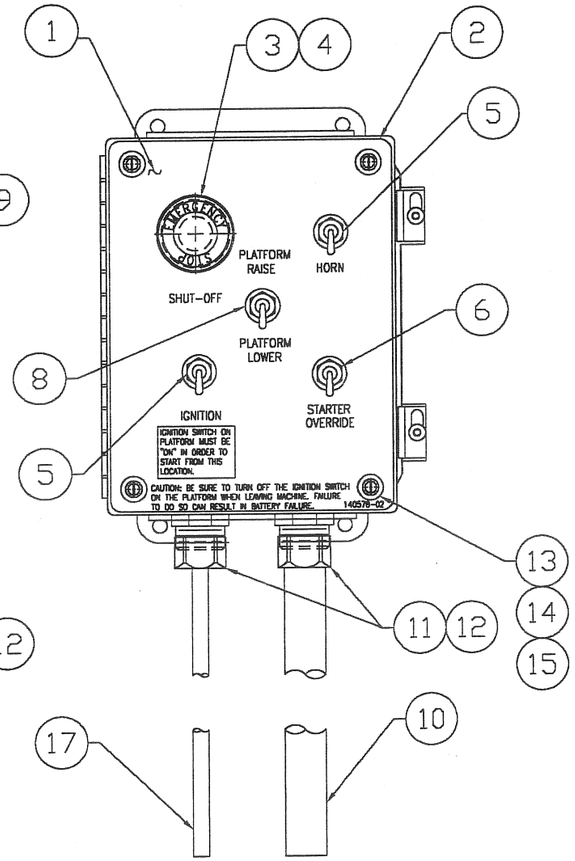
SCALE: 3/8=1 | DATE: 8-16-00

QTY	ITEM	IDENT	DESCRIPTION
186"	16	84316-04	WIRE ~ 16-2 ALPH
15	17	83657-04	WIRE TIE ~ 3/16 x 7
25	18	126976	WIRE TIE ~ 3/16 x 5 1/2
	19		
	20		

QTY	ITEM	IDENT	DESCRIPTION
1	1	145967-02	DATA PLATE REMOTE START CONTROL BOX
1	2	140579-02	REMOTE START CONTROL BOX
1	3	93251-04	STOP BUTTON
1	4	93250-04	CONTACT BLOCK
2	5	97542	TOGGLE SWITCH
1	6	135431-04	TOGGLE SWITCH
6	7	97976	CABLE TIE MOUNT
1	8	97615	SWITCH ~ ON-OFF-ON DPDT
1	9	121746-04	BOSCH RELAY ~ 12V
102"	10	93142	16 GAUGE ~ 9 CONDUCTOR
2	11	88552-04	CGB 195 CONNECTOR 1/2
2	12	80643-04	1/2 CONDUCTOR NUT
4	13	90101	SCREW~ 10-32 x 3/4
8	14	92552	WASHER ~ FLAT 10-32
4	15	45092	WASHER ~ LOCK 10-32







THIS DWG REPLACES 140580-02

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

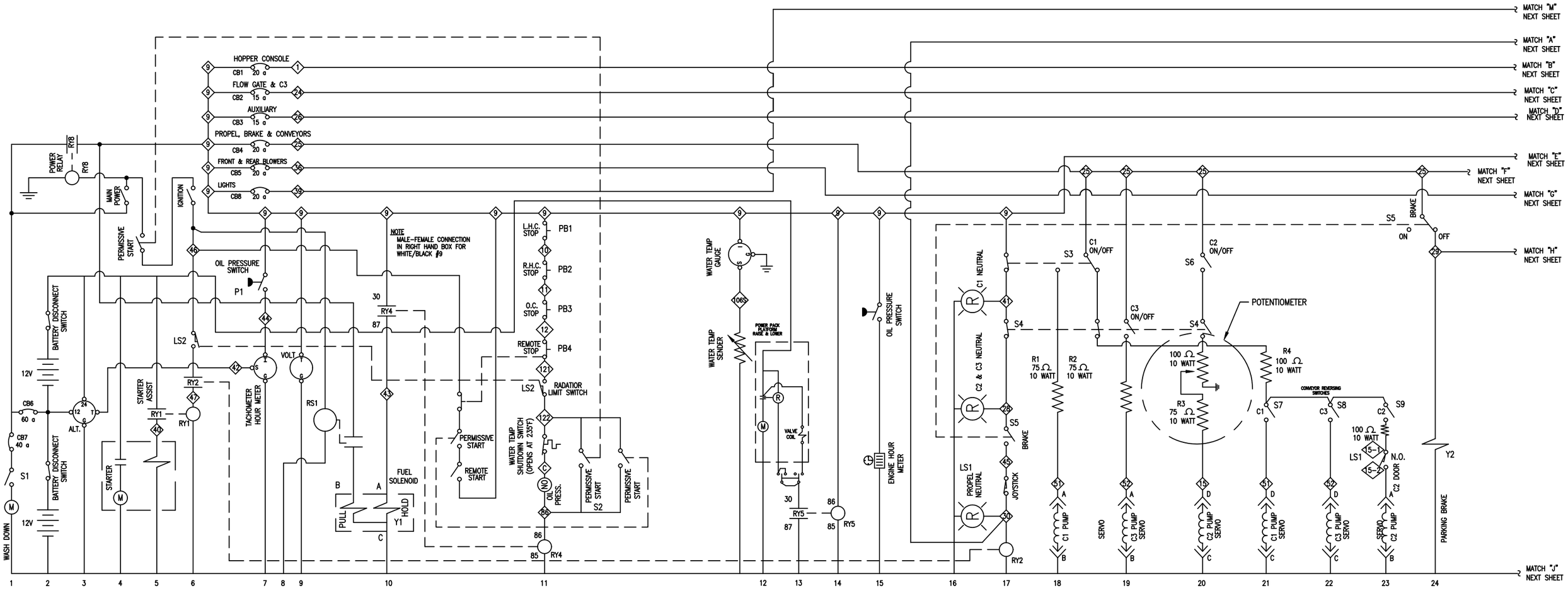
PART NAME: REMOTE START CONTROL BOX ASS'Y

1 REQ'D PER SB2500B

SHEET NO	FAB CODE	EFFECTIVE S/N
1 OF 1	603	579

DRAWN BY	CHECKED BY	DWG NO	REV.
JW		145965-02	0

SCALE	DATE
1/2=1	10-18-00



LEGEND

- = SOLENOID (Y #)
- = NORMALLY OPEN SWITCH (N.O.)
- = LIMIT SWITCH (LS #)
- = PRESSURE SWITCH (PS #)
- = TEMPERATURE SWITCH (TS #)
- = PUSH BUTTON (PB #)
- = NORMALLY CLOSED SWITCH (N.C.)
- = RESISTOR (R #)
- (RY #) = RELAY
- = WHITE LIGHT (L #)
- = ORANGE LIGHT (L #)
- = RED LIGHT (L #)
- = TERMINAL NUMBER
- = WIRE NUMBER OR WIRE CONNECTION
- = BATTERY
- = CIRCUIT BREAKER (CB #)
- = DIODE (D #)
- INTLK = INTERLOCK
- = GROUND
- FRT = FRONT
- ELEV = ELEVATION
- (P #) = PLUG
- = OPTIONAL ITEMS (EXCEPT SWITCH BORDERS, RELAYS, LIMIT SWITCHES, JUMPERS)
- = PUMP COIL
- = TEMP. SENDING UNIT

THIS DWG REPLACES 146777-01
ECN 1125

ONE REQ'D PER SB-2500B SN 611
ONE REQ'D PER SB-1500B SN 120

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

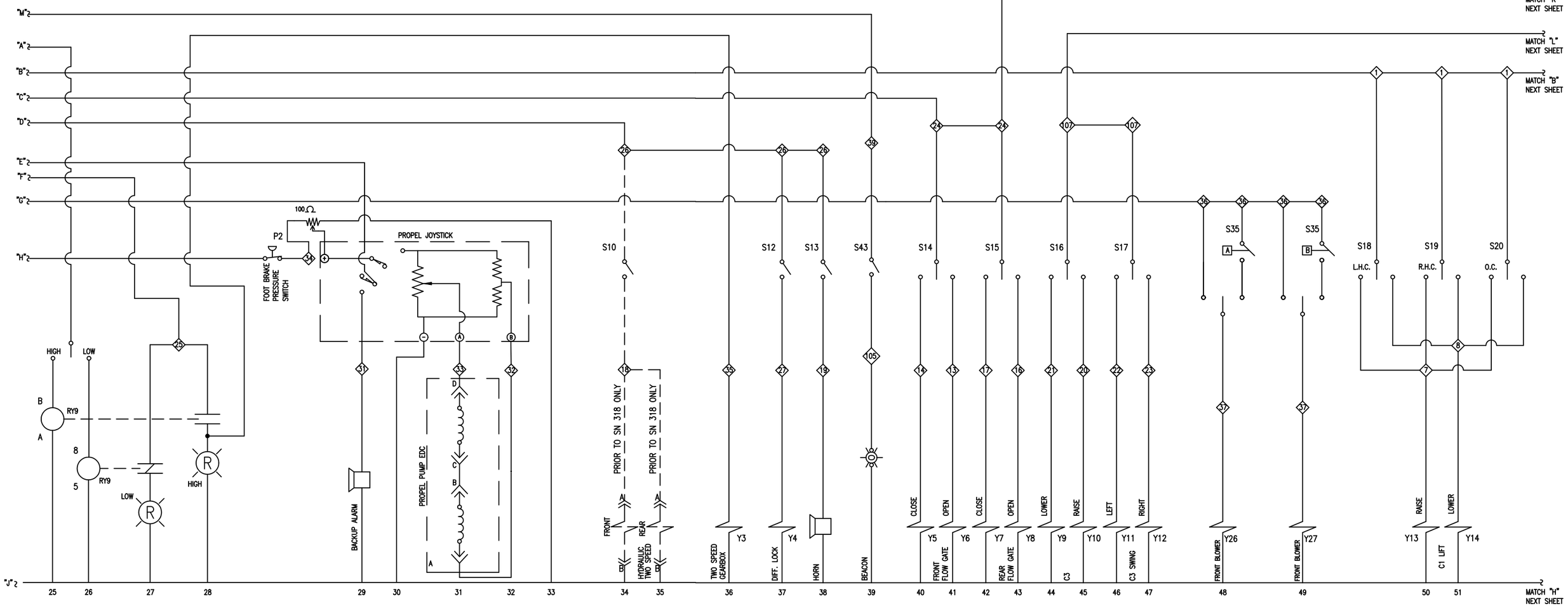
PART NAME: ELECTRICAL SCHEMATIC

REQ'D PERSEE ABOVE | SHEET NO 1 OF 3 | FAB CODE 603 | EFFECTIVE S/N

DRAWN BY JW | CHECKED BY

SCALE 1=1 | DATE 8-3-01

DWG NO 148824-01 | REV. 0



all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

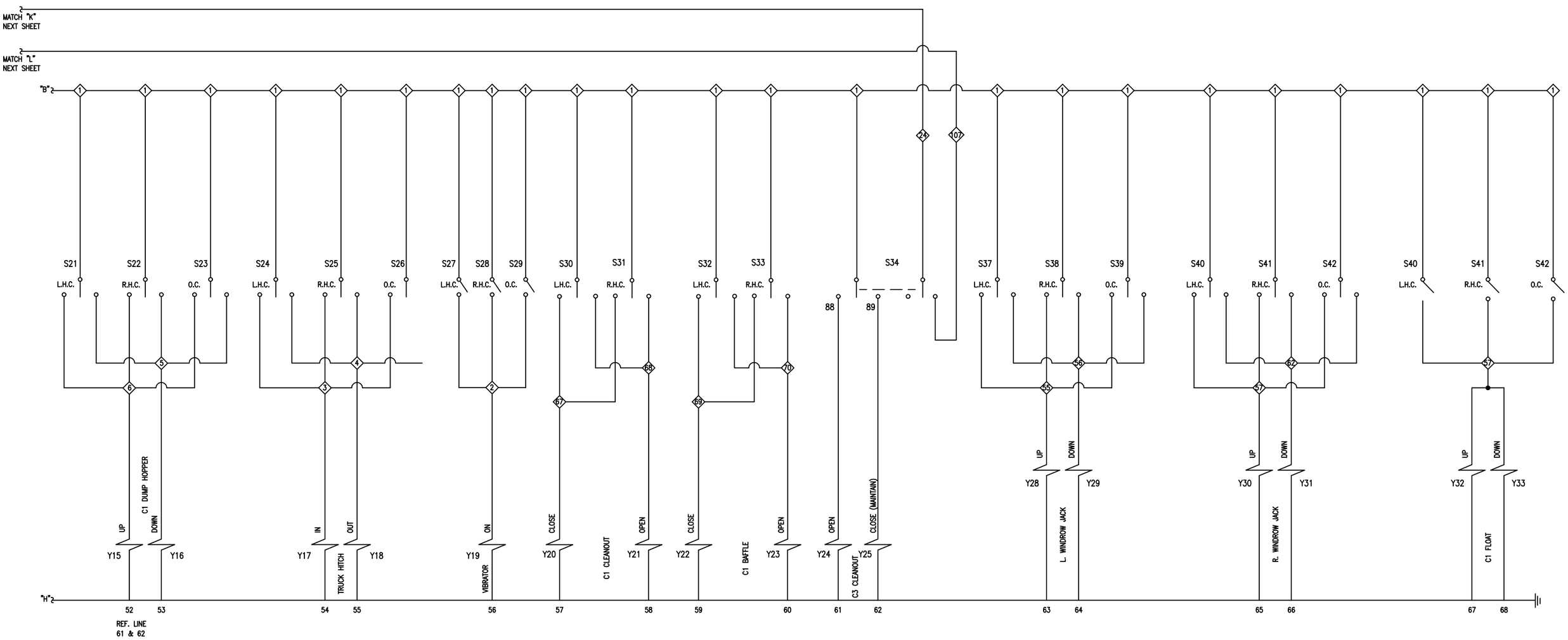
REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC

REQ'D PERSEE ABOVE | SHEET NO 2 OF 3 | FAB CODE 603 | EFFECTIVE S/N

DRAWN BY JW | CHECKED BY | SCALE 1=1 | DATE 8-3-01 | DWG NO 148824-01 | REV. 0



all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

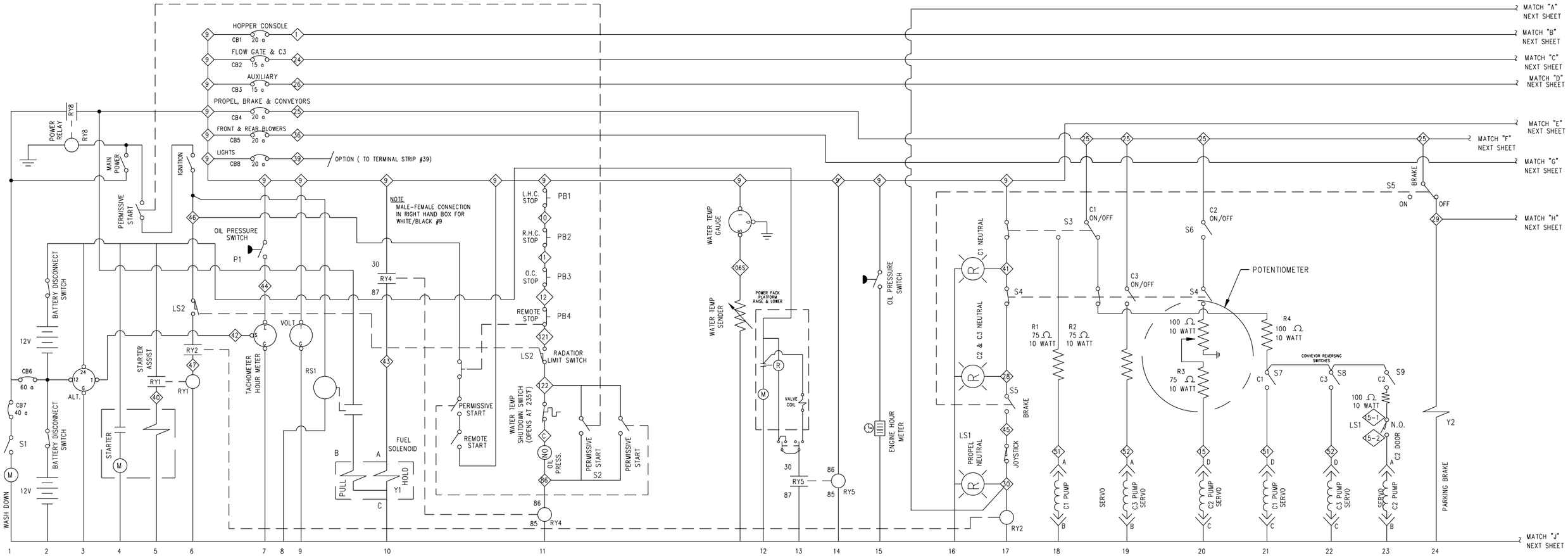
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC

REQ'D PERSEE ABOVE | SHEET NO 3 OF 3 | FAB CODE 603 | EFFECTIVE S/N

DRAWN BY JW | CHECKED BY

SCALE 1=1 | DATE 8-3-01 | DWG NO 148824-01 | REV. 0



LEGEND

- = SOLENOID (Y #)
- = NORMALLY OPEN SWITCH (N.O.)
- = LIMIT SWITCH (LS #)
- = PRESSURE SWITCH (PS #)
- = TEMPERATURE SWITCH (TS #)
- = PUSH BUTTON (PB #)
- = NORMALLY CLOSED SWITCH (N.C.)
- = RESISTOR (R #)
- (RY #) = RELAY
- = WHITE LIGHT (L #)
- = ORANGE LIGHT (L #)
- = RED LIGHT (L #)
- = TERMINAL NUMBER
- = WIRE NUMBER OR WIRE CONNECTION
- = BATTERY
- = CIRCUIT BREAKER (CB #)
- = DIODE (D #)
- INTLK = INTERLOCK
- = GROUND
- FRT = FRONT
- ELEV = ELEVATION
- (P #) = PLUG
- — — = OPTIONAL ITEMS (EXCEPT SWITCH BORDERS, RELAYS, LIMIT SWITCHES, JUMPERS)
- = PUMP COIL
- = TEMP. SENDING UNIT

THIS DWG REPLACES # 145964-01

ONE REQ'D PER SB-2500B SN 600
ONE REQ'D PER SB-1500B SN 117

all fractional dim's 1/32" – all decimal dim's .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

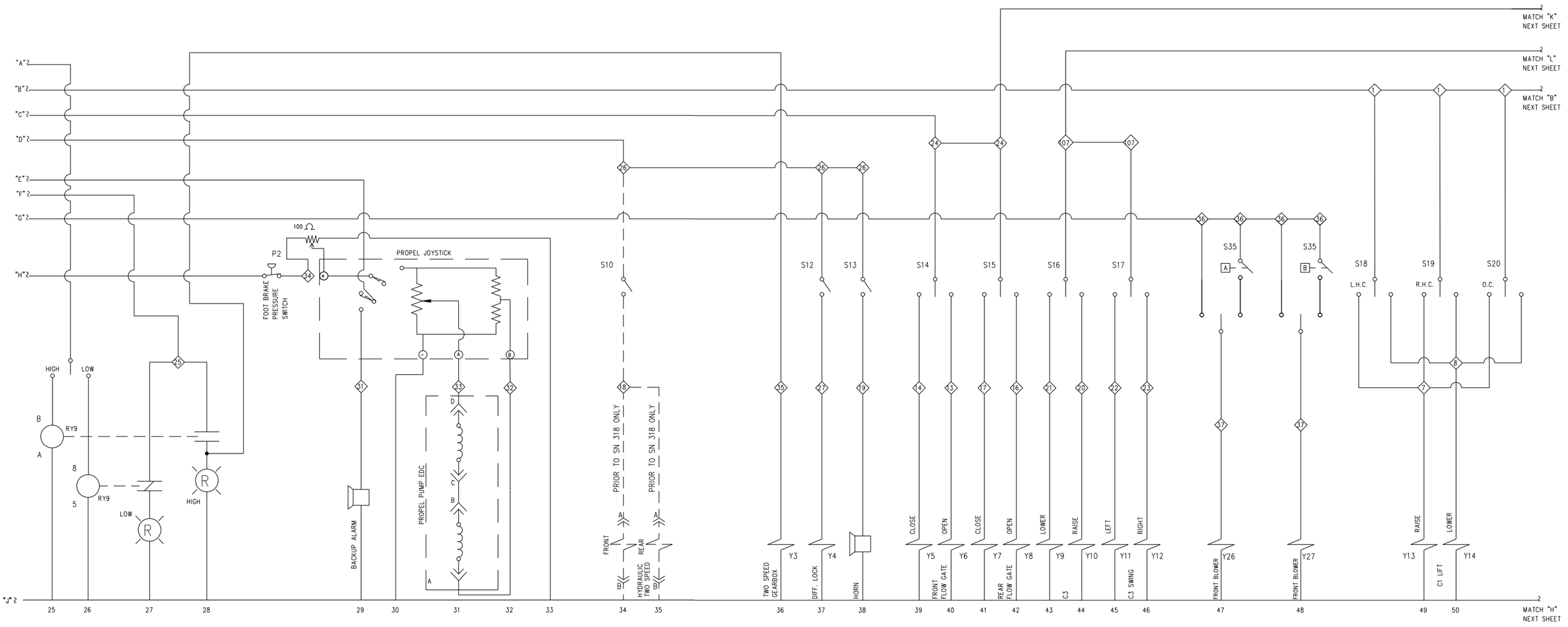
ROADTEC

PART NAME: ELECTRICAL SCHEMATIC

REQ'D PERSEE ABOVE | SHEET NO 1 OF 3 | FAB CODE 603 | EFFECTIVE S/N

DRAWN BY JW | CHECKED BY

SCALE 1=1 | DATE 5-8-01 | DWG NO 146777-01 | REV. 0



all fractional dim's 1/32" – all decimal dim's .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

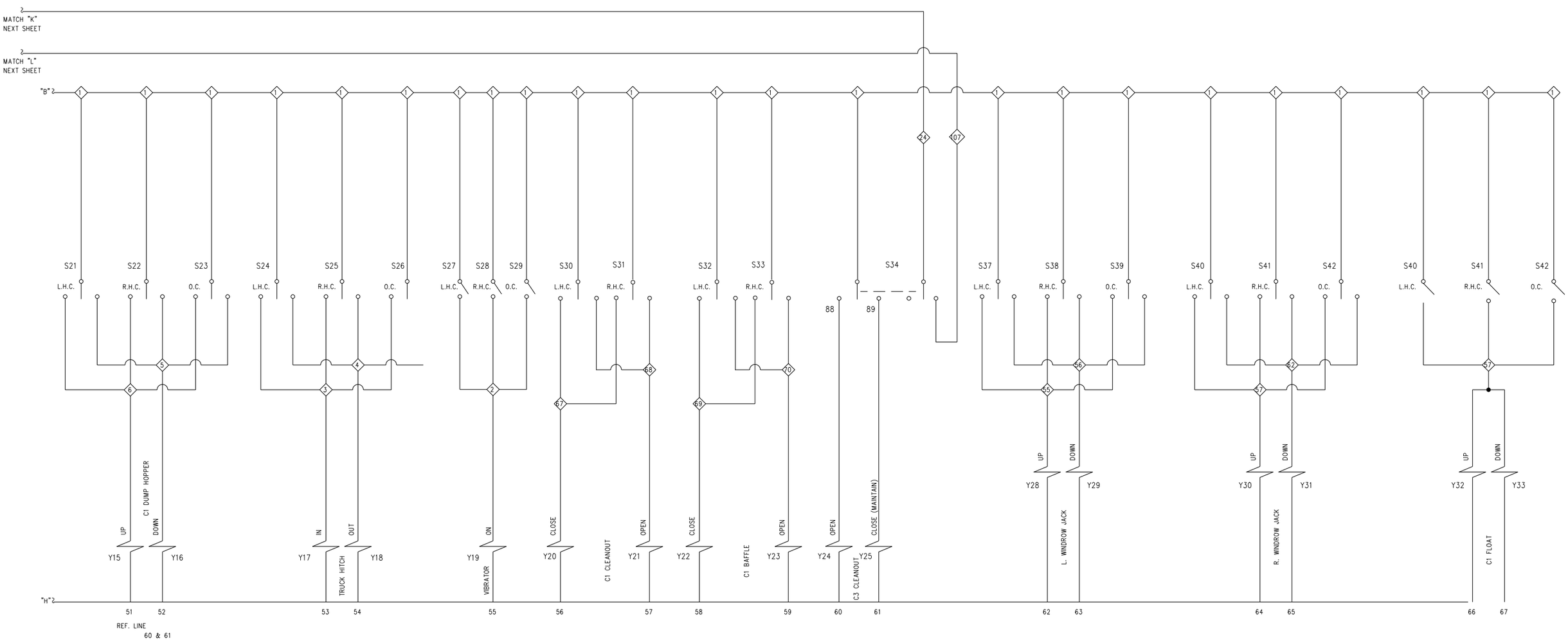
PART NAME: ELECTRICAL SCHEMATIC

REQ'D PER SEE ABOVE | SHEET NO 2 OF 3 | FAB CODE 603 | EFFECTIVE S/N

DRAWN BY JW | CHECKED BY

SCALE 1=1 | DATE 5-8-01

DWG NO 146777-01 | REV. 0



all fractional dim's 1/32" – all decimal dim's .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: ELECTRICAL SCHEMATIC

REQ'D PER	SEE ABOVE	SHEET NO	FAB CODE	EFFECTIVE S/N
		3 OF 3	603	

DRAWN BY	CHECKED BY	DWG NO	REV.
JW		146777-01	0

SCALE	DATE
1=1	5-8-01

ALWAYS REFER TO THE MACHINE SERIAL NUMBER WHEN ORDERING PARTS OR WRITING FOR INFORMATION. SPACE IS PROVIDED BELOW TO RECORD PERTINENT INFORMATION CONCERNING YOUR MACHINE.

SERIAL NUMBER:	
DATE PURCHASED:	
ENGINE MAKE:	
ENGINE MODEL:	

CHANGES

PARTS INFO.	SERVICE INFO.	GROUP	PAGE	NOTES

NOTES:

FOR ADDITIONAL INFORMATION OR ASSISTANCE :

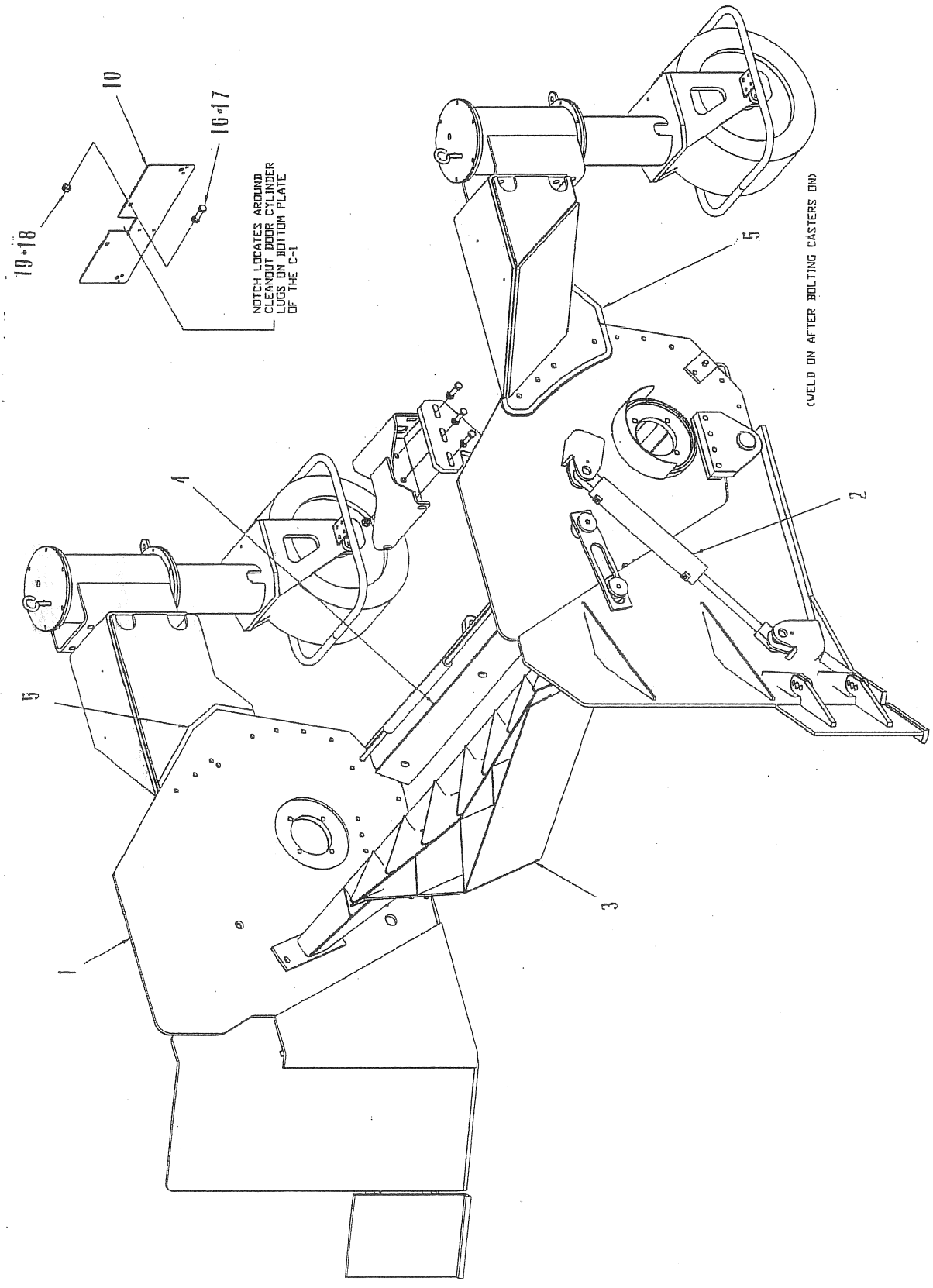
ROADTEC,INC.
800 MANUFACTURERS RD.
P.O. BOX 180515
CHATTANOOGA, TN. 37404-7515
PHONE: 423-265-0600
1-800-272-7100
FAX: 423-267-7104

ROADTEC, INC - PARTS
2090 RIVERSIDE DRIVE
CHATTANOOGA, TN. 37406
PHONE: 423-622-9202
1-877-266-8882
FAX: 423-622-9072

SECTION 6 : OPTIONAL EQUIPMENT

ASSEMBLY	PART NO.	S/N	PAGE NO.
WINDROW	143384-01	128 & UP	6.1
WINDROW SCRAPER BLADE	140278-01		6.3
WINDROW PIVOT	144789-01	592 & UP	6.5
PAINT & MARKINGS (PEND.)	142653-04		6.7
HYDRAULIC GENERATOR	136029-01	389 & UP	6.9
WINDROW HYDRAULICS	143706-01		6.12
12 VDC. WORKING LIGHTS	142714-01	448 & UP	6.22
12 V. WARNING BEACON	142678-01		6.26
GENSET OUTLET EXT'N.	148267-01		6.28
ADJ. TRUCK HITCH	138901-01		6.30
DUMP HOPPER CASTERS	148519-01		6.32

WINDROW PICK-UP ASSEMBLY
(143384-01)



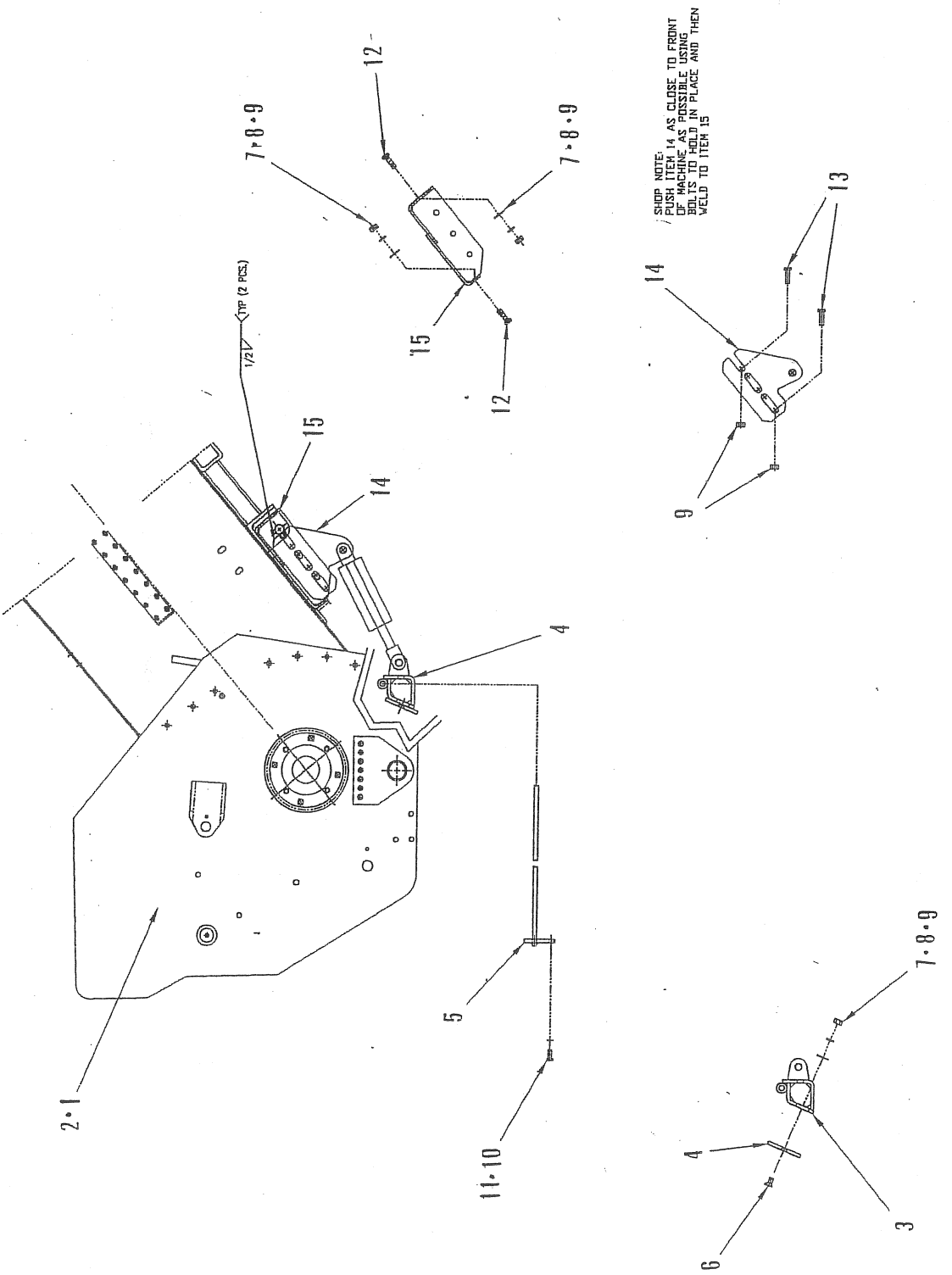
C-1 WINDROW PICK-UP HEAD ASSEMBLY

WINDROW ASSEMBLY
(143384-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	143415-01	LEFT SIDE WINDROW SUB-ASSEMBLY	1
2	143414-01	RIGHT SIDE WINDROW SUB-ASSEMBLY	1
3	123330-01	BOTTOM PLOW	1
4	140278-01	SCRAPER BLADE SUB-ASSEMBLY	1
5	144452-03	CASTER SHEAR BLOCK KIT	1
6			
7			
8			
9			
10	140762-03	BLADE BRACKET	2
11	142175-03	WINDROW PIVOT MUFFLER SUPPORT	2
12	142649-02	CYL. MOD. WINDROW SCRAPER	2
13	131140-01	WINDROW JACK & C1 FLOATING WIRING	1
14	143706-01	WINDROW HYDRAULICS (PENDING)	1
15	142653-04	PAINT & MARKINGS (PENDING)	1
16	86164	BOLT, HEX 1/2 - 13 UNC X 1 1/4" GD. 8	2
17	83781-04	WASHER, FLAT 1/2" STEEL	2
18	83317	LOCKWASHER 1/2" SPRING STEEL	2
19	83288	NUT, HEX 1/2 - 13 GD. 8	2
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.

SB-2500B SCRAPER-BLADE ASSEMBLY
(140278-01)



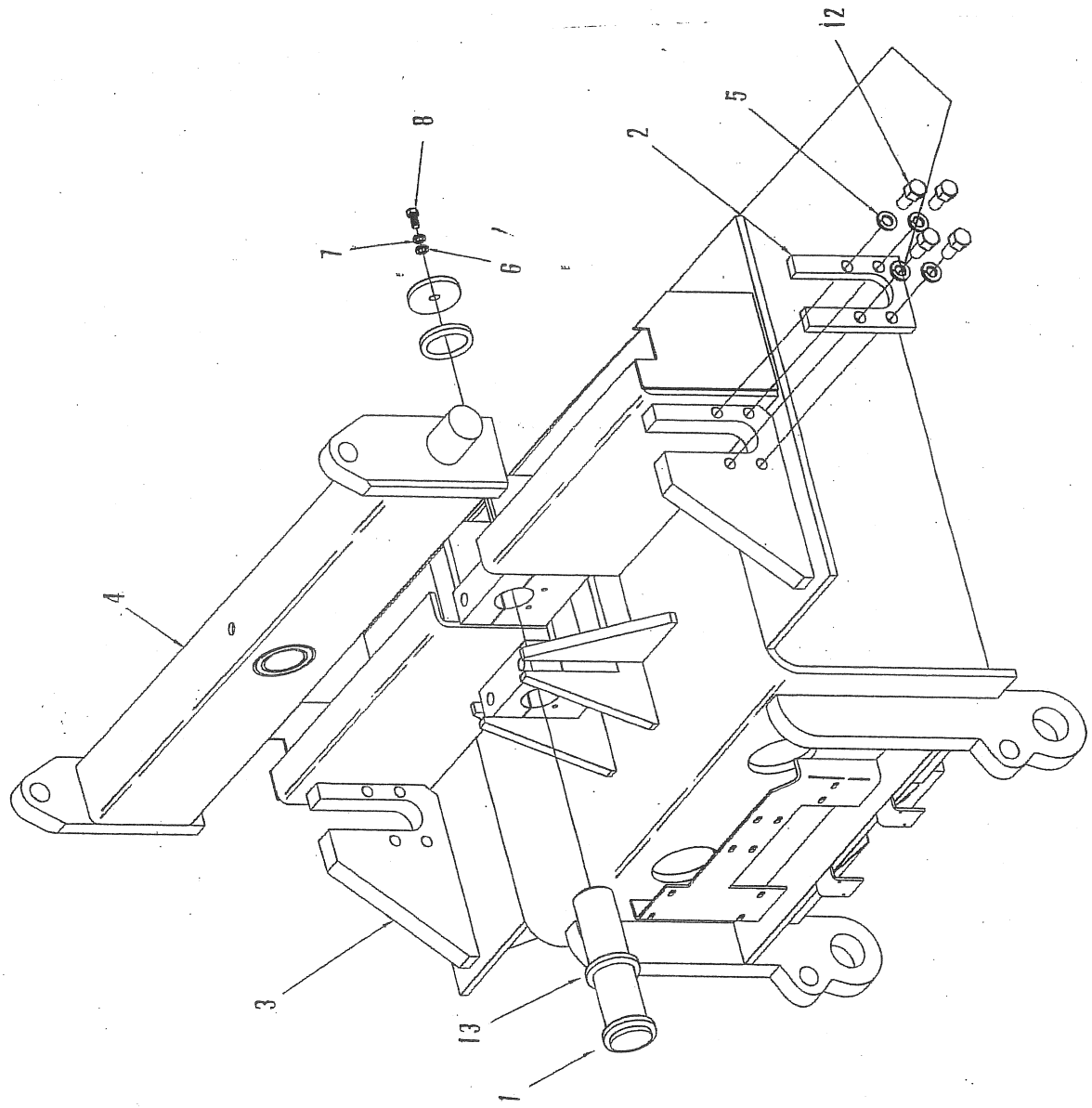
SCRAPER BLADE SUB-ASSEMBLY
(140278-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1		LEFT C-1 END PLATE (WINDROW OPTION)	
2		RIGHT C-1 END PLATE (WINDROW OPTION)	
3	135933-01	SCRAPER BLADE SUPPORT	1
4	135934-01	WINDROW SCRAPER BLADE	1
5		DUMP HOPPER LINER PIVOT PIN	
6	91340-04	BOLT, FHCS 5/8 - 11 X 1 1/4"	5
7	85147	FLAT WASHER 5/8" STEEL	13
8	84717	LOCKWASHER 5/8" SPRING STEEL	13
9	85148	NUT, HEX 5/8 - 11 GD. 8	13
10		LOCKWASHER 1/2" SPRING STEEL	
11		BOLT, HEX 1/2 - 13 X 1 1/4" GD. 8	
12	96041	BOLT, HEX 5/8 - 11 X 2" GD. 8	8
13	89152	BOLT, HEX 5/8 - 11 X 2 1/4" GD. 8	6
14	135132-01	CYLINDER MOUNTING LUG	2
15	135131-01	CYLINDER MOUNTING WELDMENT	2
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REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
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ROADTEC WINDROW S/N. OPTION

WINDROW C-1 PIVOT
(144789-01)



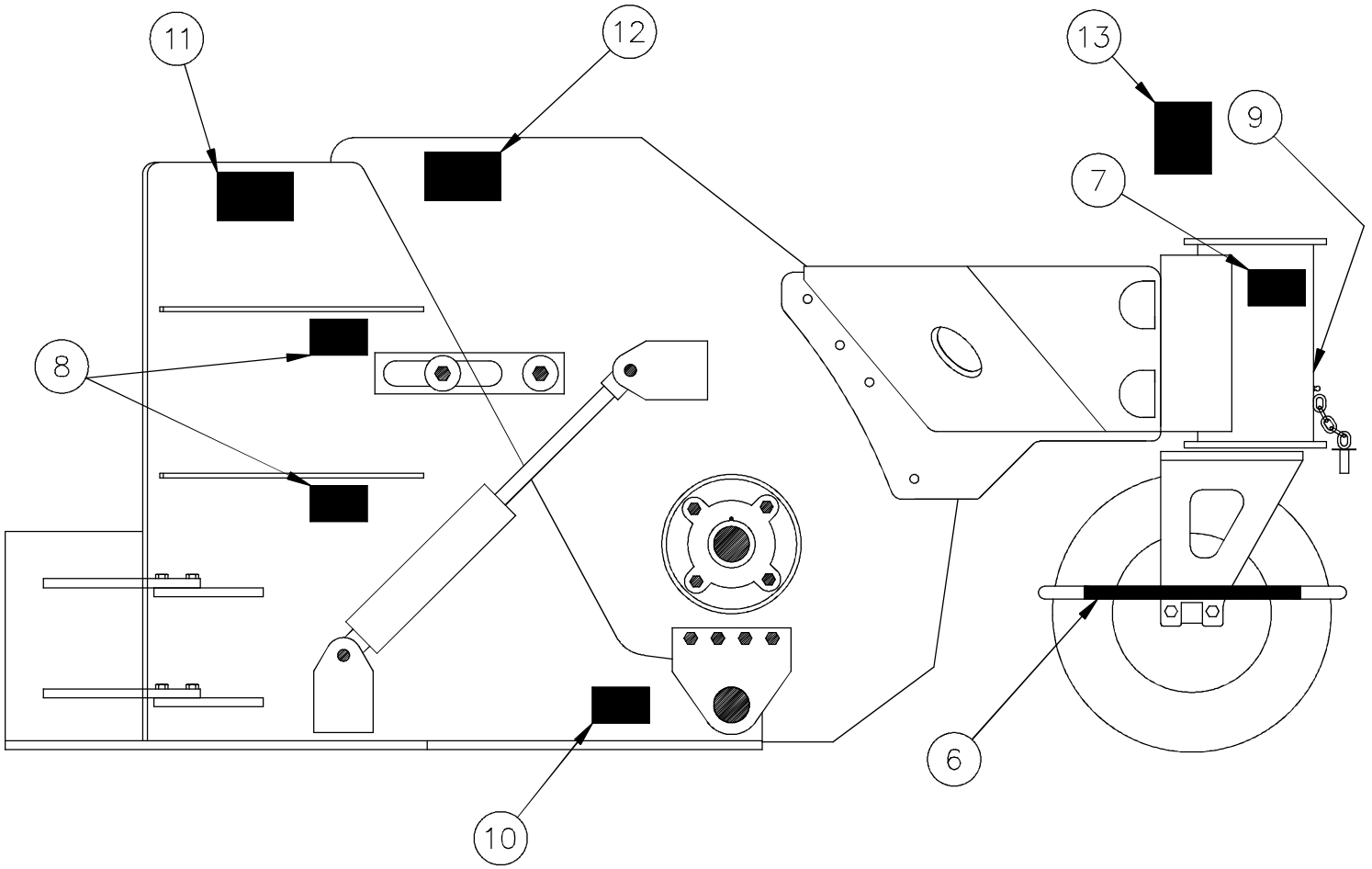
WINDROW C-1 PIVOT ASSEMBLY
(144789-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	125320-03	PIVOT TUBE SHAFT	1
2	144788-04	C-1 PIVOT TUBE STOP	2
3	144784-01	WINDROW PIVOT BOX	1
4	144783-01	C-1 PIVOT TUBE STOP	1
5	83752-04	LOCKWASHER 3/8" GD. 8, Z	8
6	85147	FLAT WASHER 5/8" SPRING STEEL	1
7	83752-04	LOCKWASHER 5/8" SPRING STEEL	1
8	84778	BOLT, HEX 5/8 - 11 X 1 1/2" GD. 8	1
9	139371-04	C-1 CYLINDER STOP	4
10	142852-04	WINDROW HYDRAULIC (PENDING)	1
11	144634-04	WINDROW PIVOT DECALS	1
12	89151	BOLT, HEX 3/4 - 10 X 3" GD. 8	8.
13	120891-04	BRASS SPACER	2
14			
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	QTY	ITEM	IDENT	DESCRIPTION
	5	1	125643	BLACK HI BOND PRIMER SERIES #35
	4	2	82996-04	PAINT SUPP * BLACK PAINT
	1	3	82999-04	PAINT SUPP * HARDENER
	.5	4	83004-04	PAINT SUPP * FISHEYE BAN 4-OZ.
	.5	5	92465	PAINT SUPP * WHITE PAINT CHEVY #10
B	72"	6	129611	BLACK & YELLOW CAUTION TAPE
B A	2	7	95871-04	DECAL * STAND CLEAR
D	4	8	92803-04	DECAL * PINCH POINT AREA
	2	9	96088-04	DECAL * GREASE HERE 1"X 2"
	2	10	97602-04	DECAL * CAUTION PINCH POINT AREA
B	REF	11	97604-04	DECAL * CAUTION STAND CLEAR
B	REF	12	97605-04	DECAL * CAUTION CLEAR HOPPER WINGS
C	2	13	138385-03	DECAL * WINDROW INSTRUCTIONS

PLACE ON SIDEWALL OF C-1 CONVEYOR IN CLEAR VIEW



all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
A		05/02/00	ITEM 7 WAS 138459-04 QTY X 1		TRH
B		06/12/00	ADDED PICTORAL; ITEMS 11 & 12 WERE QTY X 2;		
			ITEM 6 WAS (138385-03) QTY X 2; ITEM 7 WAS		
			(144628-04) QTY X 2		TRH
C		12/12/00	ADDED ITEM 13		TRH
D		04/30/01	ITEM 8 QTY WAS 2		TRH

ROADTEC

PART NAME
WINDROW PAINT & MARKINGS

01 REQ'D PER WINDROW

SHEET NO	FAB CODE	EFFECTIVE S/N
1 of 1	OPT	101

DRAWN BY	CHECKED BY
TRH	

SCALE	DATE
1/16	06/12/00

DWG NO 142653-04 REV. D

WINDROW PAINT MARKING
(142653-04)

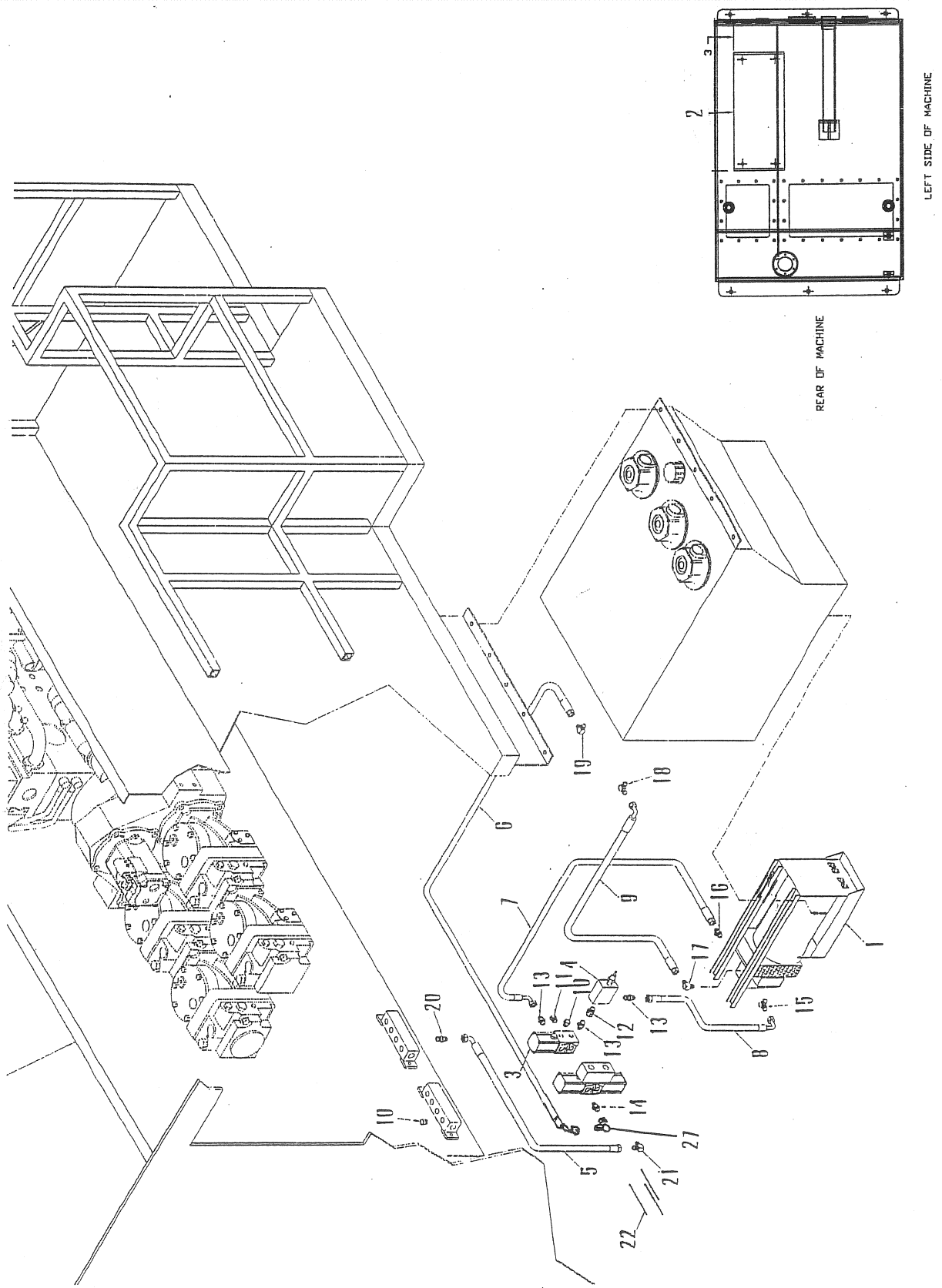
REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	125643	BLACK HI-BOND PRIMER SERIES # 35	5
2	82996-04	PAINT SUPPLY - BLACK	4
3	82999-04	PAINT SUPPLY - HARDENER	1
4	83004-04	PAINT SUPPLY - FISHEYE BAN 4 oz.	.5
5	92465	PAINT SUPPLY - WHITE CHEVY # 10	.5
6	138385-03	DECAL - WINDROW OPERATION	2
7	138459-04	DECAL - WINDROW SHIPPING	2
8	92803-04	DECAL - PINCH POINT AREA	2
9	96088-04	DECAL - GREASE HERE 1" X 2"	2
10	97602-04	DECAL - CAUTION PINCH POINT AREA	2
11	97604-04	DECAL - STAND CLEAR	2
12	97605-04	DECAL - CAUTION CLEAR HOPPER WINGS	2
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PN# 120489 ASSY. 142653-04 REV. 2/22/00

ROADTEC SB-2500B S/N.

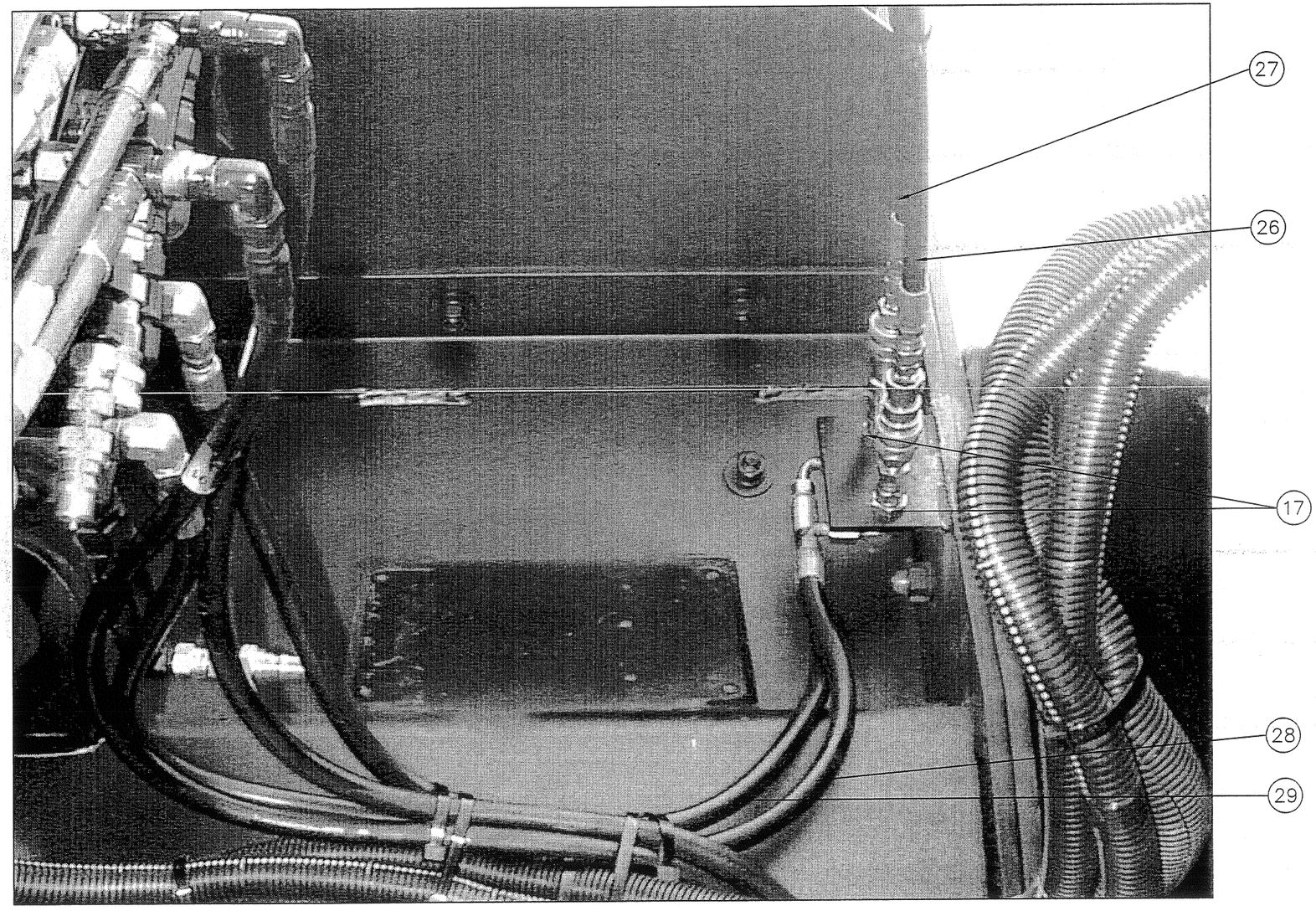
HYDRAULIC GENERATOR
(136029-01)



HYDRAULIC GENERATOR ASSEMBLY
(136029-01)

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.
1	135308-04	GENSET SET / 4 KW 120VAC W/O FLOW CONTROL	1
2	138922-03	GENSET MOUNTING BRKT.	1
3	122288-04	VALVE - SOLENOID STACK 4 - WAY 2 POS.	1
4	133337-04	FLOW CNTL. PRESSURE COMP.	1
5	99655	3/8 C2AT X 27" W/ 6 X 6 ST 6 X 6 90	1
6	134043	3/4 M3K X 77" W/ 12 X 12 ST 12 X 12 90	1
7	99662	1/2 C2AT X 80" W/ 8 X 8 ST 8 X 8 90	1
8	99662	1/2 C2AT X 80" W/ 8 X 8 ST 8 X 8 90	1
9	121245	1/4 C2AT X 26" W/ 4 X 4 ST 4 X 6 90	1
10	83767-04	8 SAE PLUG	2
11	84635-04	6 SAE PLUG	1
12	122168	8 SAE X 8 JIC SWIVEL ST.	1
13	83459-04	8 SAE X 8 JIC ST.	3
14	83458-04	8 SAE X 12 JIC ST.	1
15	123831	10 SAE X 8 JIC 90	1
16	83704-04	10 SAE X 8 JIC ST.	1
17	83743-04	4 SAE X 4 JIC 90	1
18	120672	3/4 NPT X 6 JIC 90	1
19	84002-04	3/4 NPT X 12 JIC ST.	1
20	83469-04	8 SAE X 6 JIC ST.	1
21	83734-04	6 SAE X 6 JIC 90	1
22	OO613	ALL-THREAD 3/8 - 16 X 5 3/4" LG.	3
23	83055	HEX NUT 3/8 - 16	6
24	15C82	BOLT , HEX 5/16 - 18 X 1 1/4"	4
25	85147	FLAT WASHER 5/16"	4
26	84717	LOCK WASHER 5/16"	4
27	83764-04	12 JIC SWIVEL 90	1
28	13E68	SWITCH - TOGGLE	1
29	135452-03	DECAL - GEN SET ON/OFF	1
30	92498-04	WIRE - #16 GA. BLUE W/ RED STRIPE	24"
31	90990-04	WIRE - RING POST	2
32	84316-04	WIRE - 16 - 2 ALPHA	180"
33	97735	WIRE - SPADE TERMINAL	2
34	28Y52	ELEC. - TERMINAL	2

REF. NO.	PART NO.	DESCRIPTION	NO. REQ'D.



QTY	ITEM	IDENT	DESCRIPTION
2	1	137332-04	RELIEF VALVE DIRECT ACTING (25 PSI)
3	2	97553	SOLENOID RACE
1	3	126763-04	PRESSURE VALVE (SAE)
2	4	124125	SOLENOID VALVE
3	5	83953-04	FIT* F M SWIVEL ELBOW 6 JIC 90°
1	6	83735-04	FIT * ADAPTER 6 JIC-6 SAE ST.
14	7	84426-04	FIT* 6 JIC-8 SAE 90° MALE
2	8	91665-04	FIT* RUNTEE 6 JIC M - 6 SAE M
2	9	123357	FIT* SUN HYD. CAVITY PLUG
2	10	85462-04	FIT * 6 JIC X 1/4 NPT 90°
2	11	131680-04	FIT* TEST PORT 6 JIC
2	12	85949-04	FIT* TEST PORT CAP
2	13	83460-04	FIT* ELBOW 8 JIC M - 8 SAE 90° STEEL
3	14	83766-04	RUNTEE 8 JIC - 8 SAE MALE
8	15	86170-04	FIT* ADAPTOR 6 JIC - 1/4 NPT M
3	16	86192	ALLTHREAD* 3/8-16 X 16" LG.
4	17	85381	FIT * 6 JIC BULKHEAD 90°
4	18	83459-04	FIT* CONNECTOR 8 JIC - 8 SAE MALE
1	19	135149-04	VALVE* 8 JIC CHECK VALVE
8	20	92279-04	QD FTG 1/4 NPT FEMALE
8	21	92280-04	QD FTG 1/4 NPT MALE
6	22	84636-04	SWIVEL RUNTEE 6 JIC
3	23	84638-04	SWIVEL RUNTEE 8 JIC
REF.	24	83322-01	CYLINDER* 3" BORE 15 3/4 STROKE
REF.	25	135016-03	CYLINDER E-10B SLOPE / MATCH HT.
2	26	129877	HOSE * 1/4 - 45° 6X4 ST - 6X4 ST
2	27	120966	HOSE* 1/4-48" 6X4 ST-6X4 ST
1	28	132293	HOSE* 1/4-43" 6X4 ST-6X4 90°
1	29	99667	HOSE* 1/4-40" 6X4 ST- 6X4 90°
1	30	99095	HOSE* 3/8 - 17" 6-8 ST - 6-6 90°
1	31	122301	HOSE* 3/8 - 13" 6-6 ST - 6-8 90°
1	32	129983	HOSE* 3/8 - 17" 6-6 ST - 6-8 90°
1	33	97381	HOSE* 3/8 - 13" 6-8 ST- 6-6 90°
1	34	134584	HOSE* 3/8 - 51" 6-6 ST- 6-6 ST
1	35	127123	HOSE * 3/8-47" 6-6ST 6-6 90°
1	36	121869	HOSE * 3/8 -45" 6-6ST 6-6 90°
2	37	132112	HOSE * 1/4-27" 4-6ST 4-6ST
2	38	129887	HOSE * 1/4-24" 4-6ST 4-6ST
1	39	134771	HOSE * 1/4-51" 4-6ST 4-6ST
1	40	99632	HOSE * 1/4-150" 4-6ST 4-6 90°
1	41	134489	HOSE * 1/4-146" 4-6ST 4-6 90°
1	42	143711	HOSE * 1/2-7 1/2" 8-8ST 8-8 90°
1	43	133998	HOSE * 1/2-16" 8-8ST 6-8 90°
B 2	44	136979-04	VALVE ~ AIR BLEED 6K/PSI
3	45	89598	FIT* 6 JIC BRANCHTEE
7	46	83469-04	FIT* 6 JIC-8SAE ST.
1	47	84060-04	FIT * FEMALE 8-6 JIC REDUCER

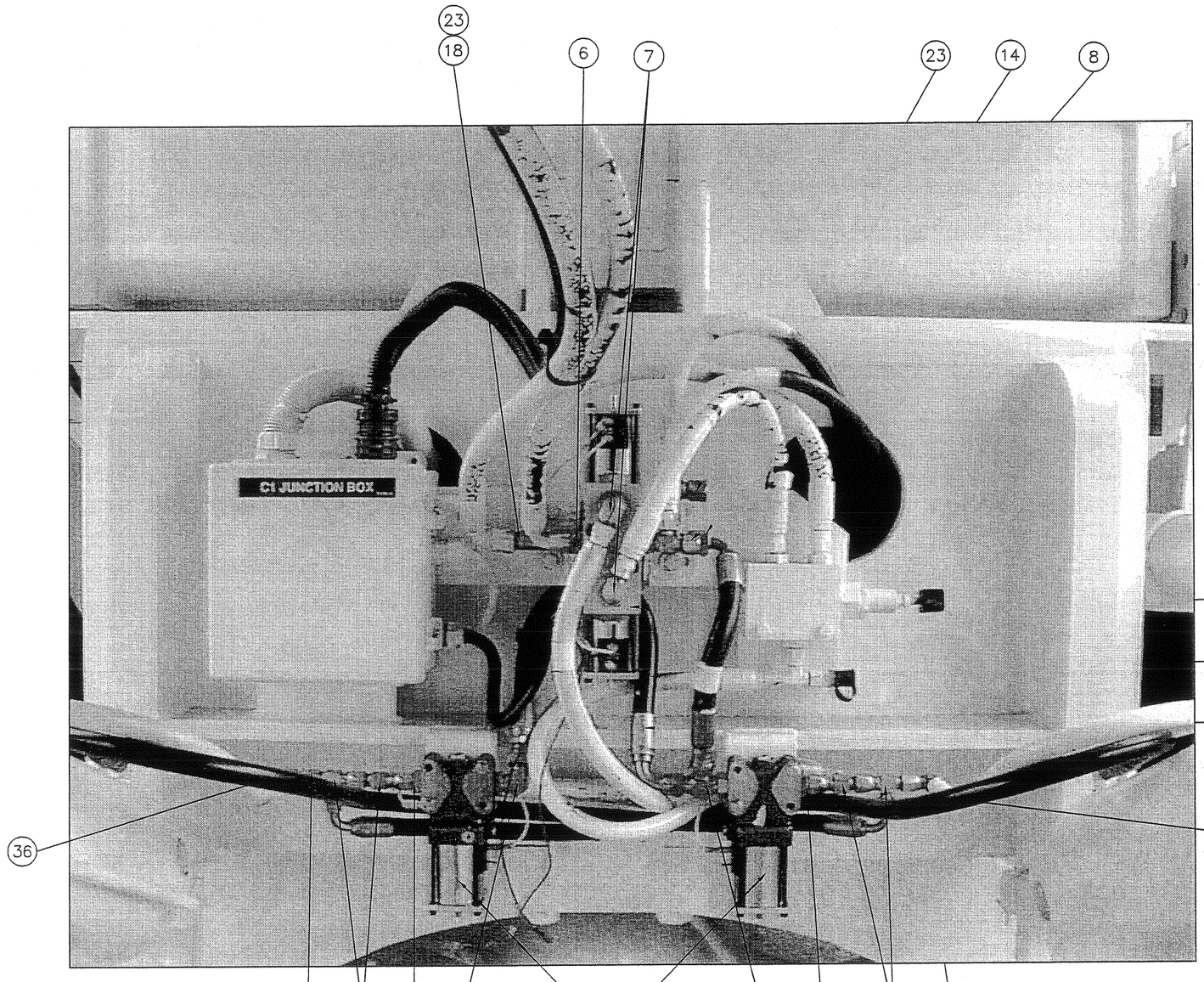
all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
B		03/24/00	ADDED ITEM 44	TRH	
A		3/7/00	SEE SHEET 3, ADD SHEET 5	DLS	

ROADTEC

PART NAME: WINDROW PICKUP HYDRAULICS

01 REQ'D PER		SHEET NO	FAB CODE	EFFECTIVE S/N
DRAWN BY: SW/BY	CHECKED BY: TRH	1 of 5	615	000
SCALE: 1/64=1	DATE: 02/22/00	DWG NO: 143706-01		REV: B



all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CHK'D. BY	APPR. BY
A		3/7/00	SEE SHEET 3, ADD SHEET 5	DLS	

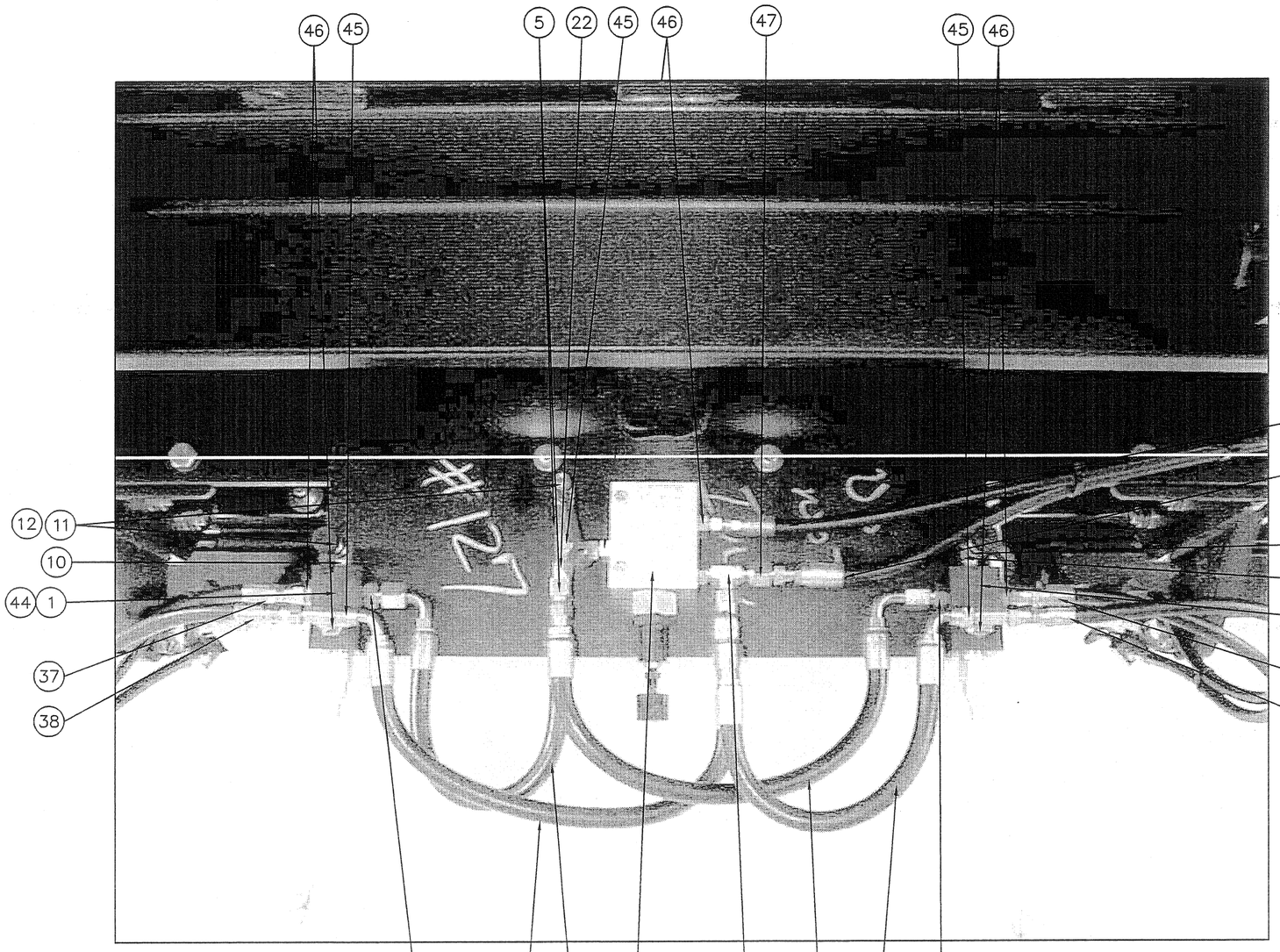
ROADTEC

PART NAME: WINDROW PICKUP HYDRAULICS

01 REQ'D PER

DRAWN BY	CHECKED BY	SHEET NO	FAB CODE	EFFECTIVE S/N
SW/BY	TRH	2 of 5	615	000

SCALE	DATE	DWG NO	REV.
1/64=1	02/22/00	143706-01	B



all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY
1		3/7/00	ADD NOTES, ADD SHEET 5	DLS	

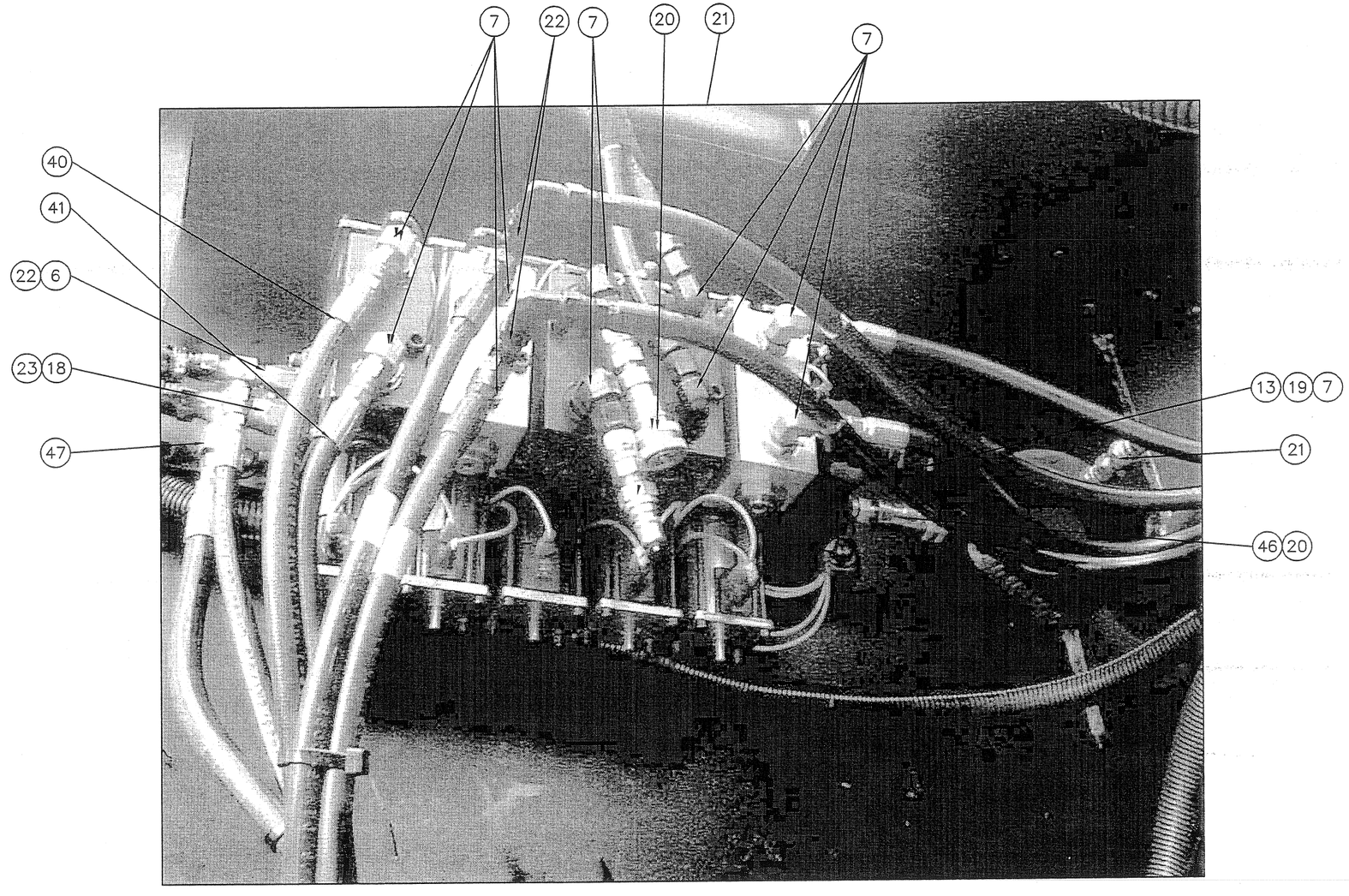
ROADTEC

PART NAME: WINDROW PICKUP HYDRAULICS

01 REQ'D PER

DRAWN BY	CHECKED BY	SHEET NO	FAB CODE	EFFECTIVE S/N
SW/BY	TRH	3 of 5	615	000

SCALE	DATE	DWG NO	REV.
1/64=1	02/22/00	143706-01	B



all fractional dim's ± 1/32" -- all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CHK'D. BY	APPR. BY
1		3/7/00	SEE SHEET 3, ADD SHEET 5	DLS	

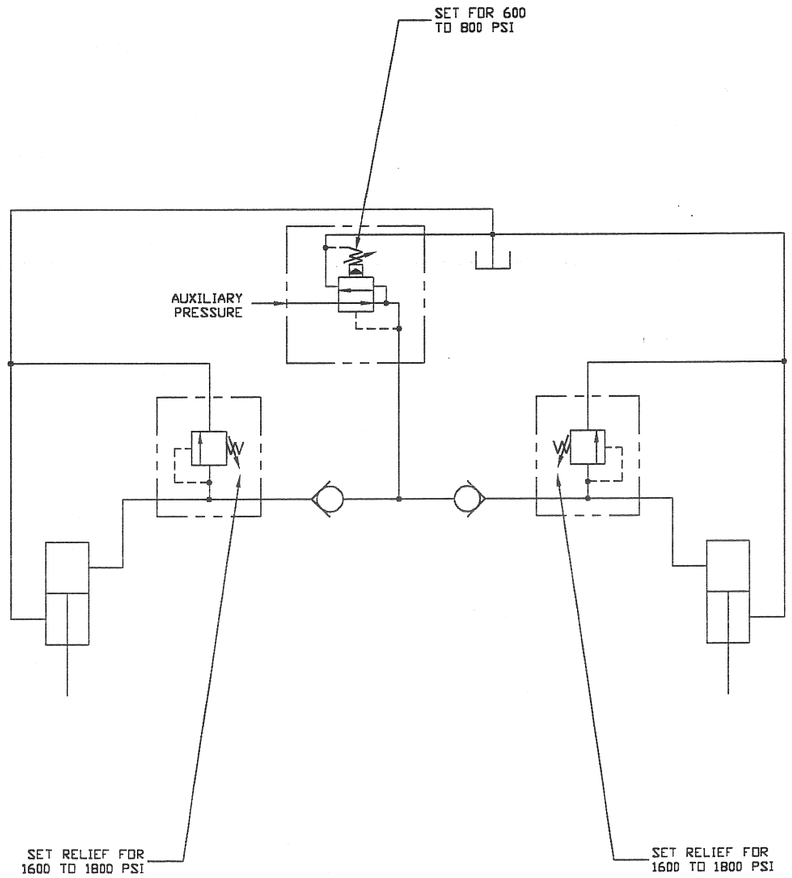
ROADTEC

PART NAME: WINDROW PICKUP HYDRAULICS

01 REQ'D PER

DRAWN BY	CHECKED BY	SHEET NO	FAB CODE	EFFECTIVE S/N
SW/BT	TRH	4 of 5	615	000

SCALE	DATE	DWG NO	REV.
1/64=1	02/22/00	143706-01	B



all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV	ECN	DATE	REVISIONS	CHK'D BY	APPRV BY
A		3/7/00	SEE SHEET 3, ADD SHEET 5	DLS	

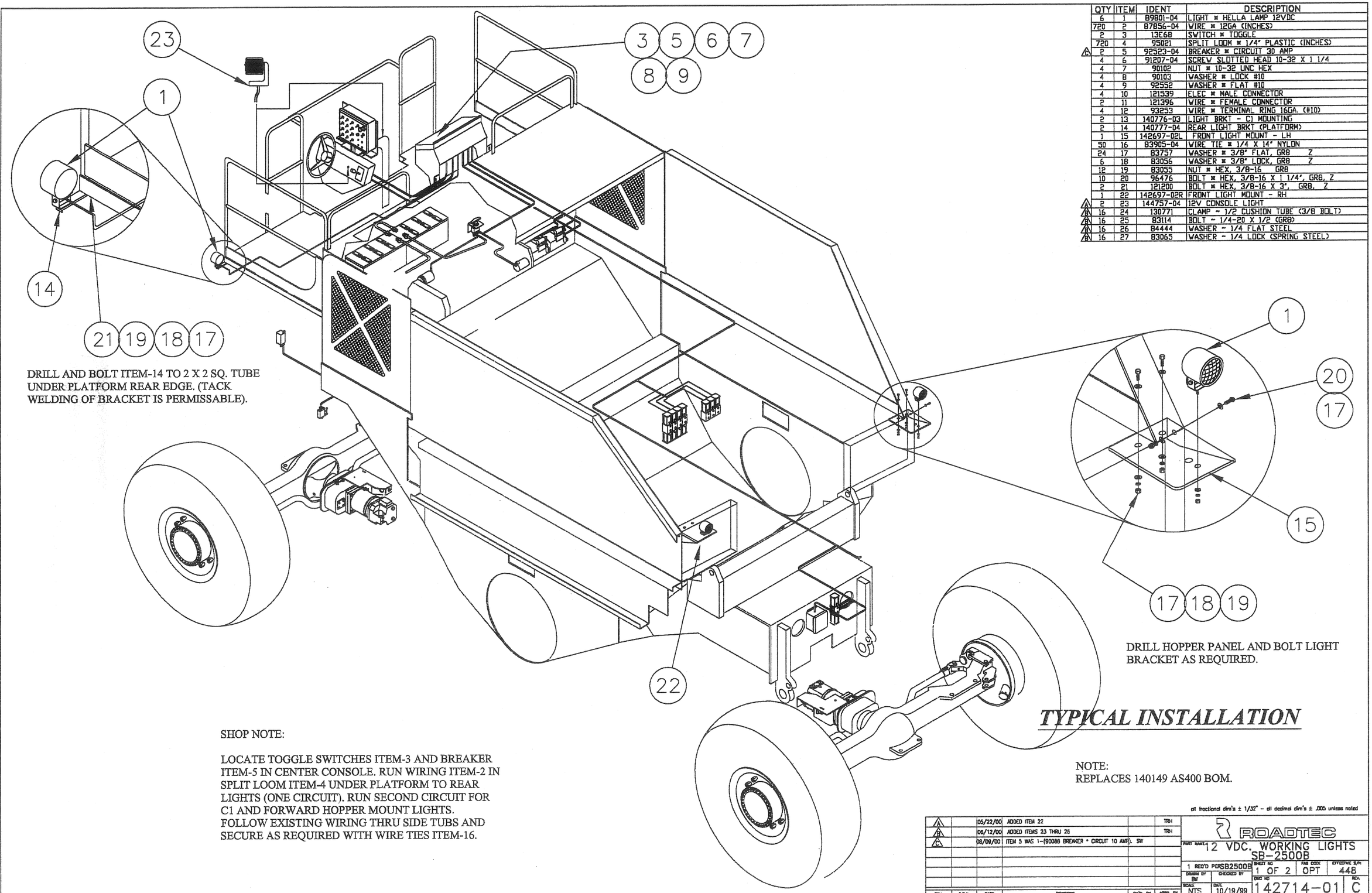
ROADTEC

PART NAME: WINDROW PICKUP HYDRAULICS

01 REQ'D PER

DRAWN BY	CHECKED BY	SHEET NO	FAB CODE	EFFECTIVE S/N
SW/EY	TRH	5 of 5	615	000

SCALE	DATE	DWG NO	REV.
1=1	02/22/00	143706-01	B



QTY	ITEM	IDENT	DESCRIPTION
6	1	89801-04	LIGHT ¤ HELLA LAMP 12VDC
720	2	87856-04	WIRE ¤ 12GA (INCHES)
2	3	13E68	SWITCH ¤ TOGGLE
720	4	95021	SPLIT LOOM ¤ 1/4" PLASTIC (INCHES)
2	5	92523-04	BREAKER ¤ CIRCUIT 30 AMP
4	6	91207-04	SCREW SLOTTED HEAD 10-32 X 1 1/4
4	7	90102	NUT ¤ 10-32 UNC HEX
4	8	90103	WASHER ¤ LOCK #10
4	9	92552	WASHER ¤ FLAT #10
4	10	121539	ELEC ¤ MALE CONNECTOR
2	11	121396	WIRE ¤ FEMALE CONNECTOR
4	12	93253	WIRE ¤ TERMINAL RING 16GA. (#10)
2	13	140776-03	LIGHT BRKT - CJ MOUNTING
2	14	140777-04	REAR LIGHT BRKT (PLATFORM)
1	15	142697-02L	FRONT LIGHT MOUNT - LH
50	16	83905-04	WIRE TIE ¤ 1/4 X 14" NYLON
24	17	83757	WASHER ¤ 3/8" FLAT, GR8 Z
6	18	83056	WASHER ¤ 3/8" LOCK, GR8 Z
12	19	83055	NUT ¤ HEX, 3/8-16 GR8
10	20	96476	BOLT ¤ HEX, 3/8-16 X 1 1/4", GR8, Z
2	21	121200	BOLT ¤ HEX, 3/8-16 X 3", GR8, Z
1	22	142697-02R	FRONT LIGHT MOUNT - RH
2	23	144757-04	12V CONSOLE LIGHT
16	24	130771	CLAMP - 1/2 CUSHION TUBE (3/8 BOLT)
16	25	83114	BOLT - 1/4-20 X 1/2 (GR8)
16	26	84444	WASHER - 1/4 FLAT STEEL
16	27	83065	WASHER - 1/4 LOCK (SPRING STEEL)

SHOP NOTE:

LOCATE TOGGLE SWITCHES ITEM-3 AND BREAKER ITEM-5 IN CENTER CONSOLE. RUN WIRING ITEM-2 IN SPLIT LOOM ITEM-4 UNDER PLATFORM TO REAR LIGHTS (ONE CIRCUIT). RUN SECOND CIRCUIT FOR C1 AND FORWARD HOPPER MOUNT LIGHTS. FOLLOW EXISTING WIRING THRU SIDE TUBS AND SECURE AS REQUIRED WITH WIRE TIES ITEM-16.

TYPICAL INSTALLATION

NOTE:
REPLACES 140149 AS400 BOM.

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'D. BY	APPR. BY
A		05/22/00	ADDED ITEM 22		TRH
B		06/12/00	ADDED ITEMS 23 THRU 26		TRH
C		08/09/00	ITEM 5 WAS 1-(90088 BREAKER ¤ CIRCUIT 10 AMP). SW		

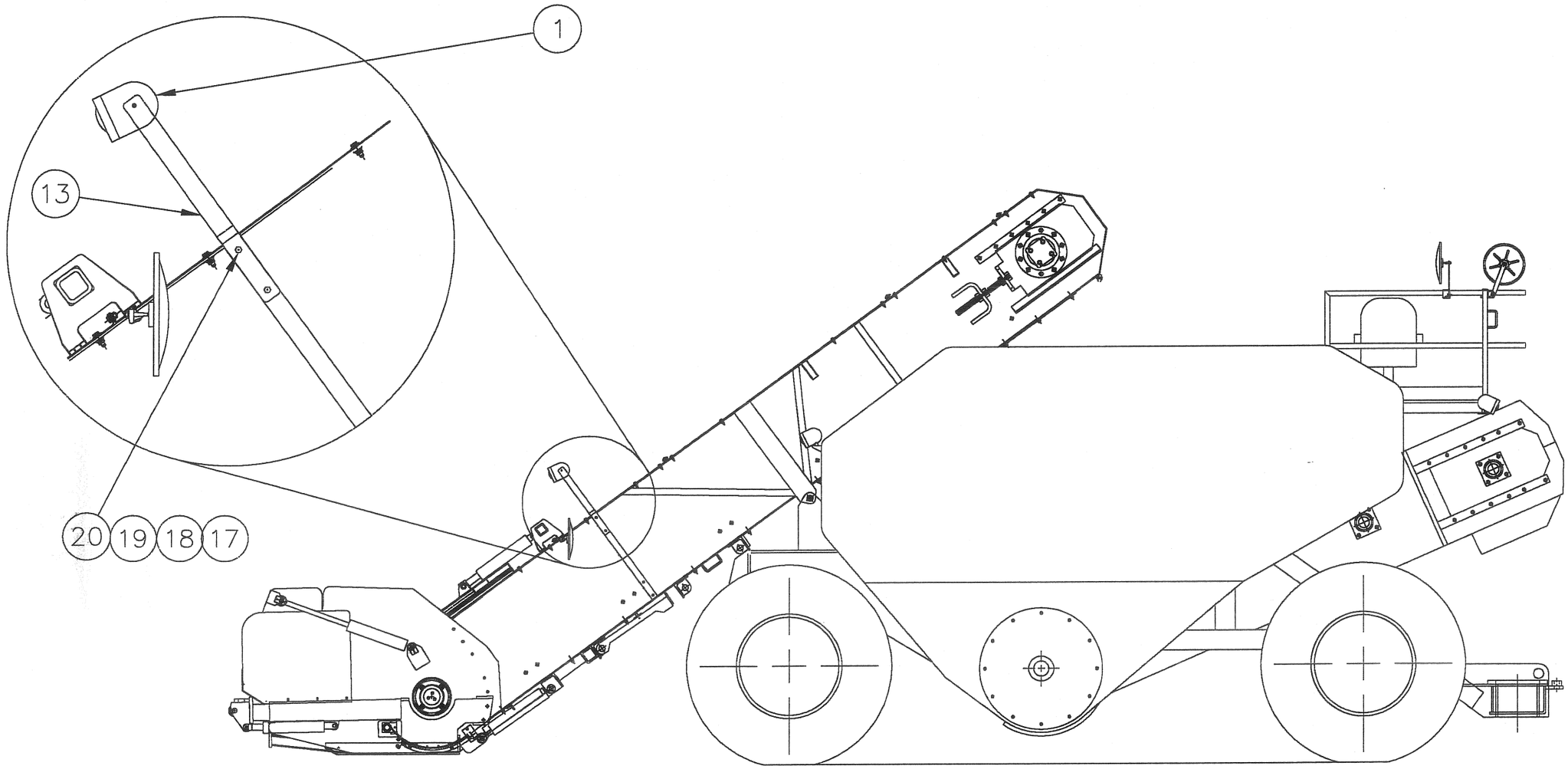
ROADTEC

PART NAME: 12 VDC. WORKING LIGHTS SB-2500B

1 REQ'D PER SB2500B | SHEET NO: 1 OF 2 | FAB CODE: OPT | EFFECTIVE S/N: 448

DRAWN BY: BW | CHECKED BY: | DWG NO: 142714-01 | REV: C

SCALE: NTS | DATE: 10/19/99



TYPICAL INSTALLATION

NOTE:
REPLACES 140149 AS400 BOM.

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'D. BY	APPR. BY

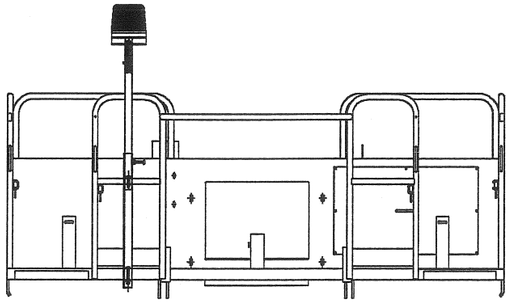
ROADTEC

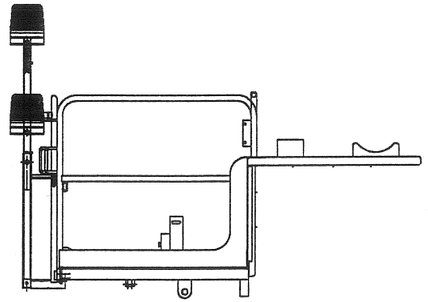
PART NAME: 12VDC. WORKING LIGHTS SB-2500B

1 REQ'D PER SB2500B | SHEET NO: 2 OF 2 | FMS CODE: OPT | EFFECTIVE S/N: 448

DRAWN BY: BW | CHECKED BY: | DWG NO: 142714-01 | REV: B

SCALE: NTS | DATE: 10/19/99

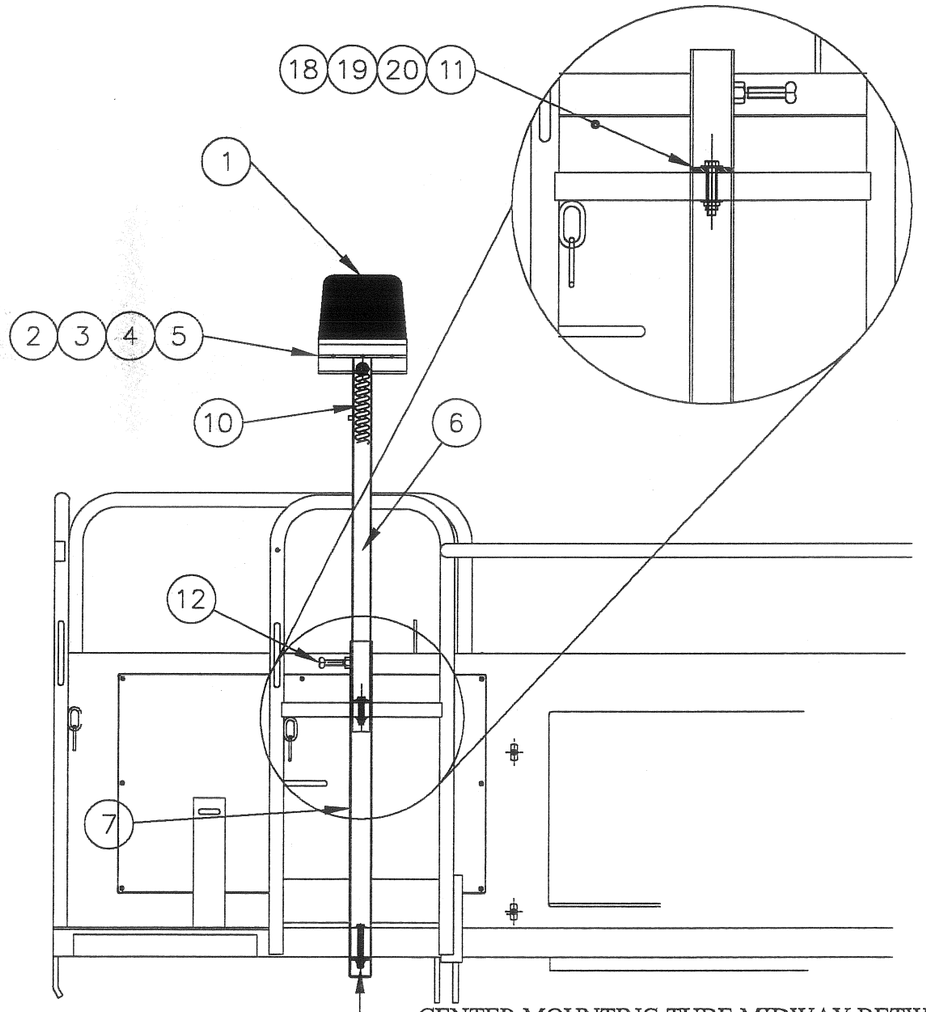




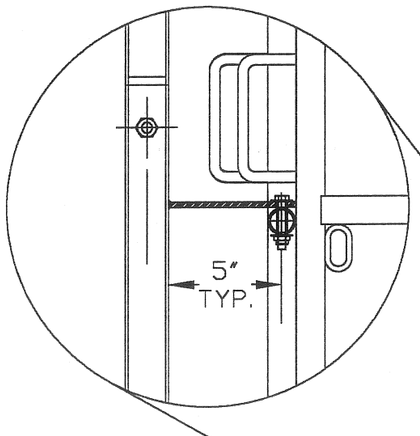
8 9 10
14 15 16 21 22

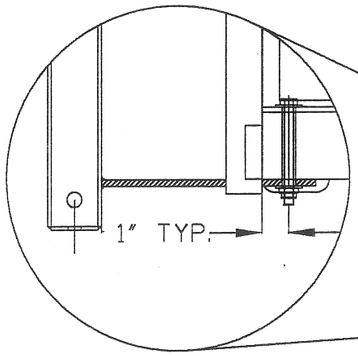
USE ABOVE ITEMS TO WIRE LIGHT TO CENTER CONSOLE.

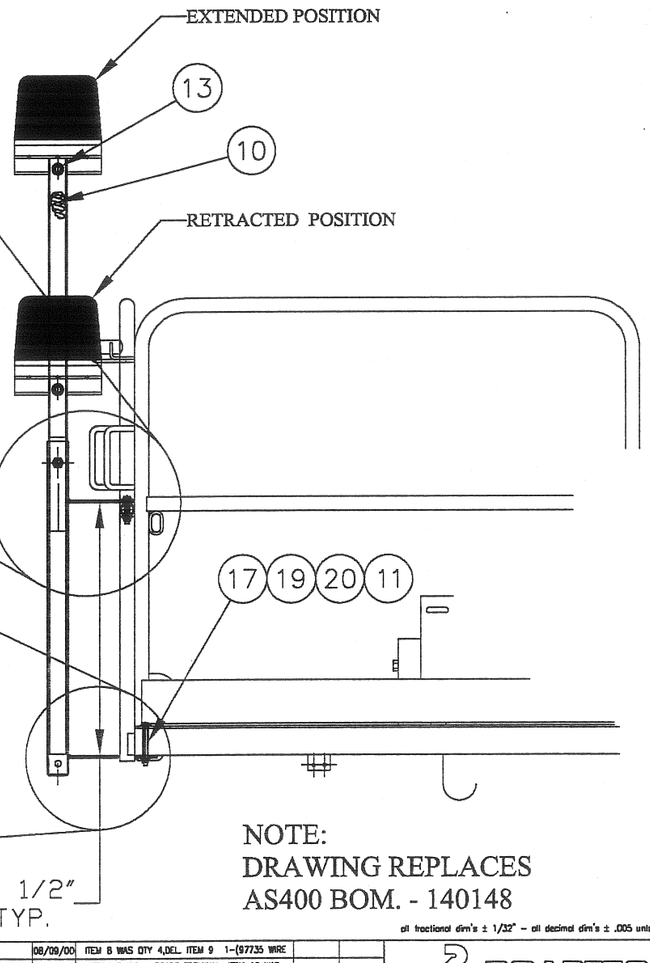
QTY	ITEM	IDENT	DESCRIPTION
1	1	90083-04	LIGHT * BEACON LAMP MODEL 100 - 12VDC.
4	2	87849	BOLT * HEX 1/4-20 X 1 1/2"
4	3	84444	WASHER * FLAT 1/4" STEEL
4	4	83065	WASHER * LOCK 1/4" SPRING STEEL
4	5	89772	NUT * 1/4-20 HEX GRADE B
1	6	131477-03	BEACON MOUNT WELDMENT
1	7	142682-01	BEACON MOUNTING TUBE WELDMENT
10	8	38257	WIRE * TERMINAL 16-14 GA. MALE INSUL.
-	9		
1	10	98237-04	RETRACTABLE CORD * CABLE
2	11	83055	NUT * 3/8 - 16 HEX GRADE B
1	12	135982-04	BOLT * WING 1/2-13 X 1 GRB
3	13	87318-04	RUBBER * GROMMET
1	14	13E68	SWITCH * TOGGLE
240	15	84316-04	WIRE * 16-2 ALPHA (INCHES)
1	16	92523-04	BREAKER * CIRCUIT 30 AMP.
1	17	121809	BOLT * 3/8-16 X 3 1/2" GRB Z
1	18	95541	BOLT * 3/8-16 X 2 1/4" GRB Z
4	19	83757	WASHER * 3/8" FLAT, GRB Z
2	20	83056	WASHER * 3/8" LOCK, GRB Z
120	21	95021	SPLIT LOOM * 1/4" PLASTIC (INCHES)
16	22	83905-04	WIRE TIE * 1/4 X 14" NYLON
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X



CENTER MOUNTING TUBE MIDWAY BETWEEN TUBES.
DRILL 7/16" HOLE THROUGH CENTER PIPE AND 2X2" SQ. TUBE ON PLATFORM BOTTOM.







NOTE:
DRAWING REPLACES
AS400 BOM. - 140148

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'E. BY	APPR. BY
1		08/09/00	ITEM 8 WAS QTY 4,DEL. ITEM 9 1-(97735 WIRE * FEMALE INSUL SPADE TERMINAL., ITEM 16 WAS 1-(90088 BREAKER * CIRCUIT 10 AMP).	SW	
2					
3					

ROADTEC

PART NAME: 12V WARNING BEACON ASS'Y SB-2500B KIT

01 REQ'D PERSB2500B	SHEET NO	FAB CODE	EFFECTIVE S/N
	1 of 1	OPT.	448
DRAWN BY: BW	CHECKED BY:	DWG NO: 142678-01	REV: A
SCALE: NTS	DATE: 10/19/99		

QTY	ITEM	IDENT	DESCRIPTION
1	1	122101	FLEX CONDUIT ~ 3/8 SEALED X 680"
16	2	142461	FORK TERMINAL ~ #10 YELLOW
4	3	128940	OUTLET BOX ~ GRAY WEATHERPROOF
4	4	128939	COVER ~ OUTLET BOX GRAY WEATHERPROOF
4	5	128938	DUPLEX RECEPTACLE
6	6	90554	RING TERMINAL ~ #10 YELLOW
5	7	122101-C1	CONDUIT FITTING ~ 3/8 SEALED ST
2	8	122933	WIRE NUT ~ RED
3	9	122101-C2	CONDUIT FITTING ~ 3/8 SEALED 90°
8	10	89988-04	BOLT ~ 1/4-20 X 3/4 HEX (GR8)
8	11	84444	WASHER ~ 1/4 FLAT (STEEL)
8	12	83065	WASHER ~ 1/4 LOCK (SPRING STEEL)
2	13	122101-C3	CONDUIT NUT ~ 3/8 SEALED
1	14	87856-04	WIRE ~ 12 GAUGE X 2,184"

ITEMS 1 & 14 ARE DIVIDED AS FOLLOWS:

	3/8 CONDUIT	BLACK WIRE	WHITE WIRE	GREEN WIRE
FRONT TO BACK - RIGHT SIDE	264"	276"	276"	276"
RIGHT SIDE TO GENERATOR SET	144"	156"	156"	156"
FRONT TO BACK - LEFT SIDE	252"	264"	264"	264"
LEFT SIDE TO GENERATOR SET	20"	32"	32"	32"

ITEMS 3 MOUNTS WITH ITEMS 10, 11, & 12 AT THE FOUR CORNERS OF THE MACHINE

BOTH FRONT CORNERS - DRILL & TAP THE BOTTOM AT EACH END OF THE 3" TUBE THAT THE HORN IS MOUNTED TO

BOTH REAR CORNERS - DRILL & TAP THE BOTTOM OF BOTH THE REAR HYDRAULIC & FUEL TANK MOUNTS

all fractional dim's ± 1/32" - all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	CH'G. BY	APPR. BY

ROADTEC

PART NAME: GENSET OUTLET EXTENSIONS ASSEMBLY

01 REQ'D PER SB-2500B

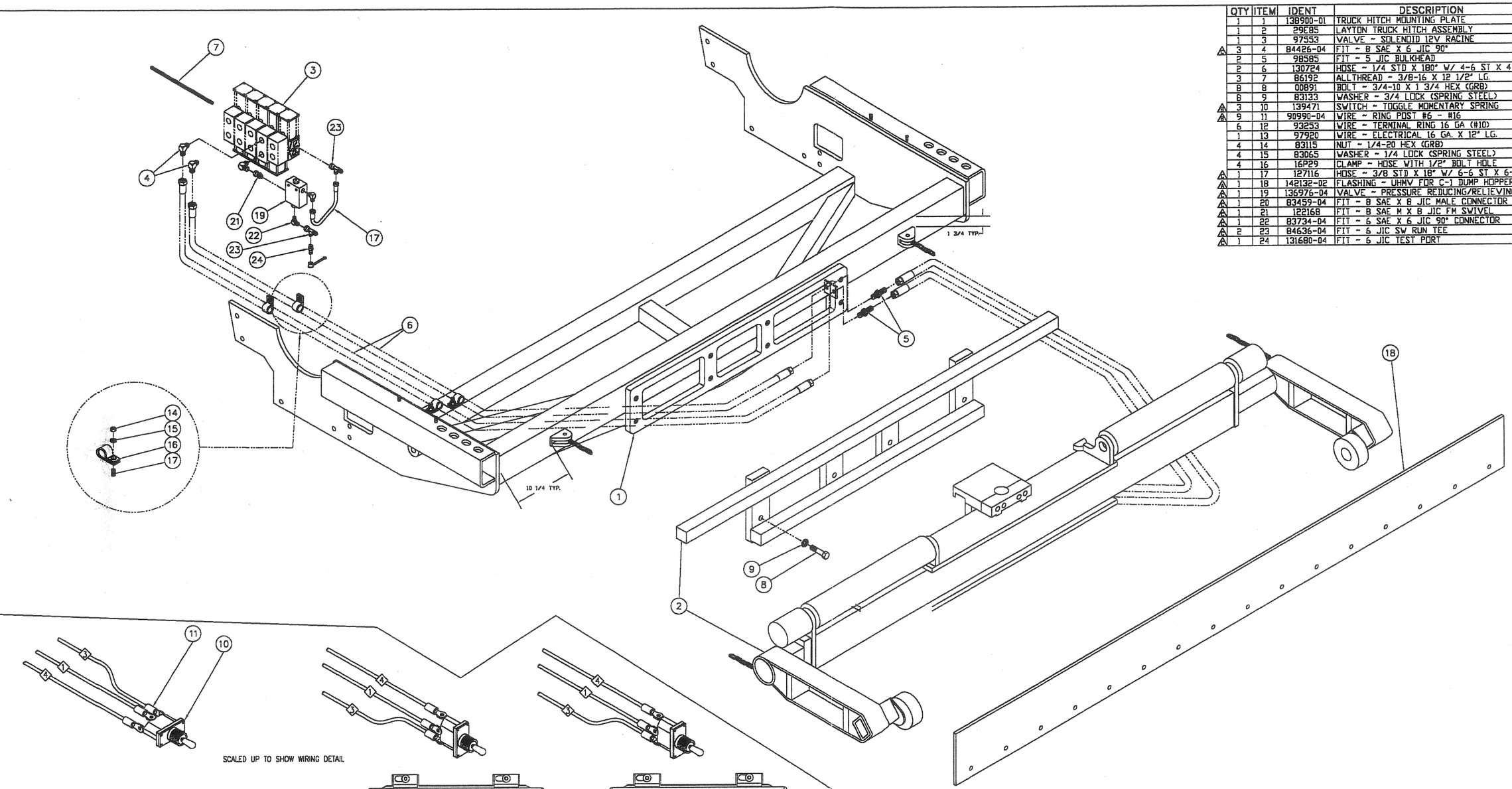
SHEET NO	FAB CODE	EFFECTIVE S/N
1 of 1	OPTIONS	N/A

DRAWN BY	CHECKED BY
TRH	

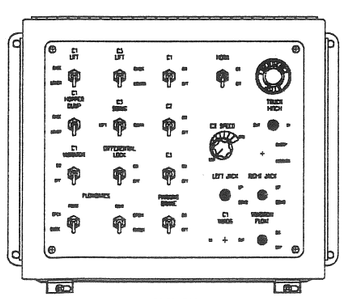
SCALE	DATE
1/8	05/04/01

DWG NO: 148267-03 REV: 0

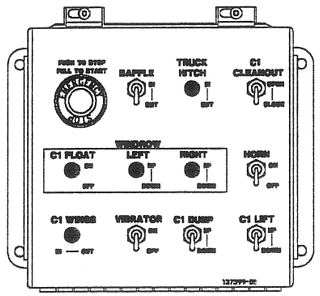
QTY	ITEM	IDENT	DESCRIPTION
1	1	138900-01	TRUCK HITCH MOUNTING PLATE
1	2	29E85	LAYTON TRUCK HITCH ASSEMBLY
1	3	97553	VALVE ~ SOLENOID 12V RACINE
3	4	84426-04	FIT ~ 8 SAE X 6 JIC 90°
2	5	98585	FIT ~ 5 JIC BULKHEAD
2	6	130724	HOSE ~ 1/4 STD X 180° W/ 4-6 ST X 4-5 ST
3	7	86192	ALLTHREAD ~ 3/8-16 X 12 1/2" LG.
8	8	00891	BOLT ~ 3/4-10 X 1 3/4 HEX (GR8)
8	9	83133	WASHER ~ 3/4 LOCK (SPRING STEEL)
3	10	139471	SWITCH ~ TOGGLE MOMENTARY SPRING
9	11	90990-04	WIRE ~ RING POST #6 - #16
6	12	93253	WIRE ~ TERMINAL RING 16 GA (#10)
1	13	97920	WIRE ~ ELECTRICAL 16 GA. X 12" LG.
4	14	83115	NUT ~ 1/4-20 HEX (GR8)
4	15	83065	WASHER ~ 1/4 LOCK (SPRING STEEL)
4	16	16P29	CLAMP ~ HOSE WITH 1/2" BOLT HOLE
1	17	127116	HOSE ~ 3/8 STD X 18" W/ 6-6 ST X 6-6 ST
1	18	142132-02	FLASHING ~ UHMV FOR C-1 DUMP HOPPER
1	19	136976-04	VALVE ~ PRESSURE REDUCING/RELIEVING
1	20	83459-04	FIT ~ 8 SAE X 8 JIC MALE CONNECTOR
1	21	122168	FIT ~ 8 SAE M X 8 JIC FM SWIVEL
1	22	83734-04	FIT ~ 6 SAE X 6 JIC 90° CONNECTOR
2	23	84636-04	FIT ~ 6 JIC SW RUN TEE
1	24	131680-04	FIT ~ 6 JIC TEST PORT



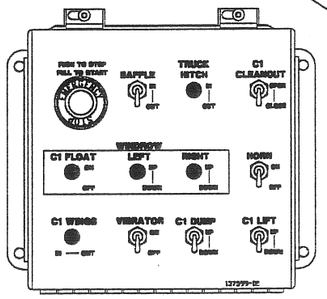
SCALED UP TO SHOW WIRING DETAIL



OPERATOR CONTROL BOX



LEFT HAND HOPPER CONTROL BOX



RIGHT HAND HOPPER CONTROL BOX

REPLACES DWG. 130723-01
SN 376 THRU 413 REQUIRE 4" TO BE TORCHED FROM SIDES OF ROLLER FRAME.

REV.	E.C.N.	DATE	REVISIONS	CH'C. BY	APPR. BY
A		8/23/99	ADD ITEM 18, EFFECTIVE W/SB-25008 SN 488	DLS	
B		7/31/00	ITEM 10 WAS 20P55 ~ TOGGLE SWITCH;		
			ITEM 11 WAS QTY 8; ADDED WIRING DETAIL	BY	
C		06/25/01	ITEM 17 WAS 96494 QTY X 4; ITEM 4 QTY X 3 WAS 2; ADDED		
			ITEMS 19 THRU 24	TRH	

△ | I | E | T | N | P | F | C | M | M | C | A

all fractional dim's ± 1/32" ~ all decimal dim's ± .005 unless noted

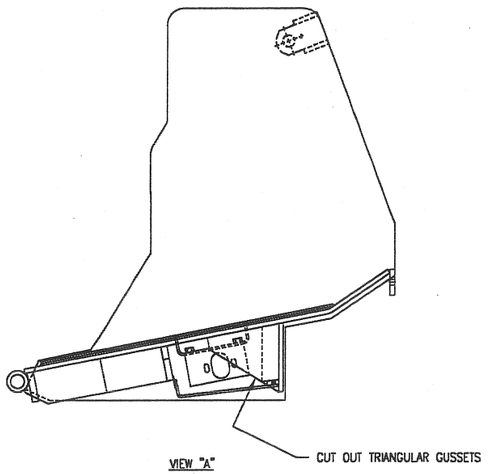
ROADTEC

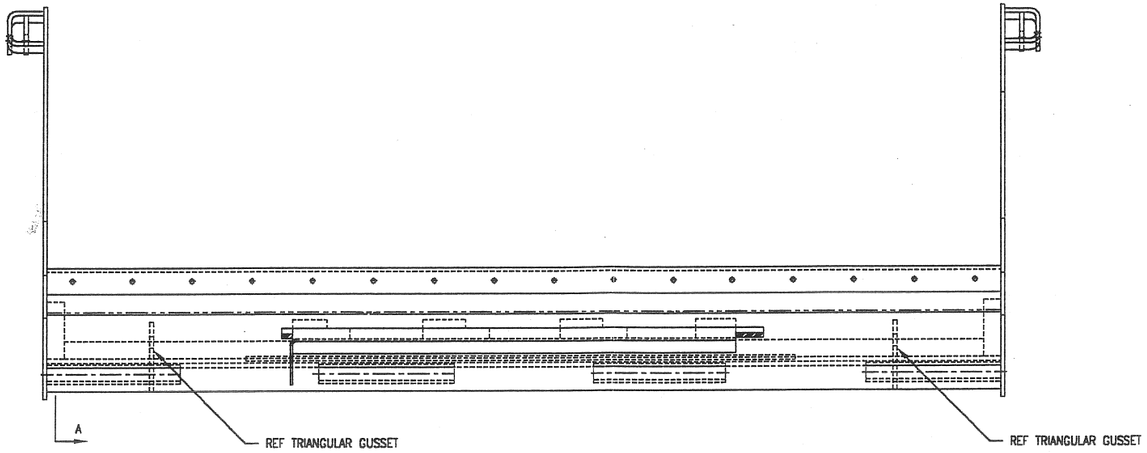
PART NAME: ADJUSTABLE ROLLER TRUCK HITCH OPTION ASSY.

01 REQ'D PER SB2500 | SHEET NO: 1 of 1 | FAB CODE: OPT | EFFECTIVE S/N: 367

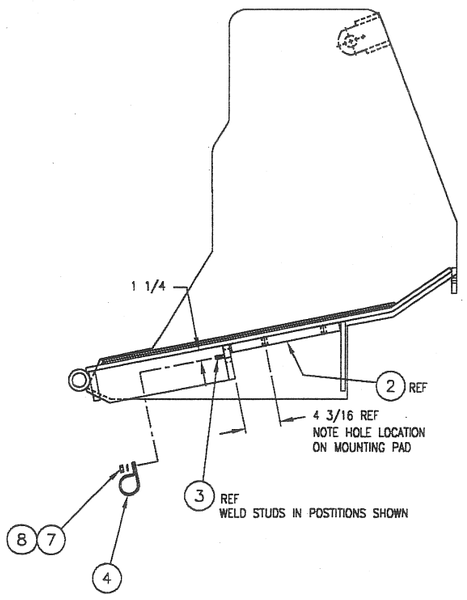
DRAWN BY: H.C. | CHECKED BY: | SCALE: 1/8 | DATE: 8/20/98 | DWG NO: 138901-01 | REV: C

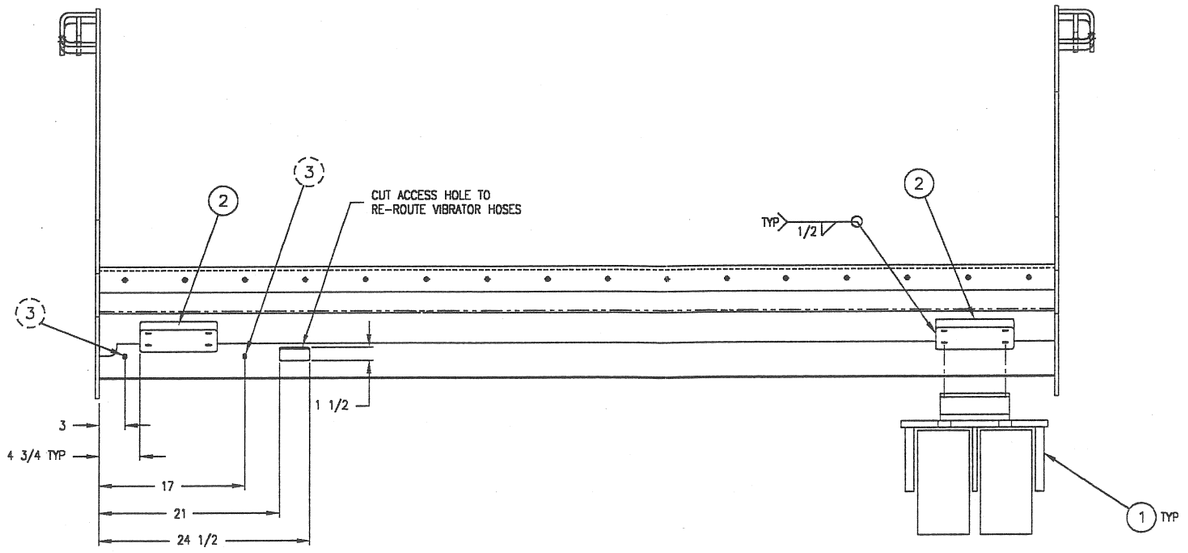
QTY	ITEM	IDENT	DESCRIPTION
2	1	148521-01	SWIVEL CASTER MODIFICATION
2	2	148482-03	CASTER MOUNTING PAD
2	3	92932	WELD STUD, 3/8-16 X 1 1/8 LONG
2	4	16P29	CLAMP
8	5	95301	HEX BOLT, 5/8-11 X 1 1/4
8	6	84717	LOCKWASHER, 5/8
2	7	83055	HEX NUT, 3/8-16, GR 8
2	8	83056	LOCKWASHER, 3/8

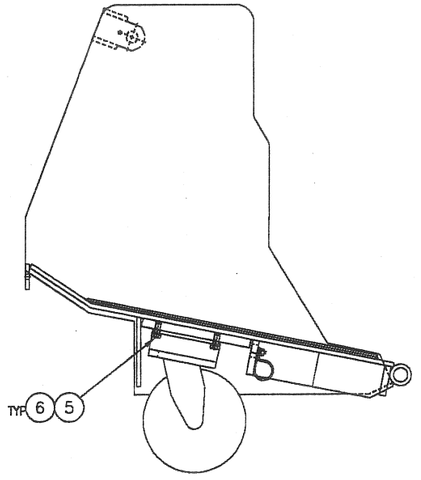




EXISTING DUMP HOPPER







MODIFIED DUMP HOPPER

NOTE: VIBRATOR BRACKET NOT SHOWN FOR CLARITY

all fractional dim's ± 1/32" – all decimal dim's ± .005 unless noted

REV.	E.C.N.	DATE	REVISIONS	ENT'D. BY	APPR'D. BY

ROADTEC

PART NAME: KIT DUMP-HOPPER CASTERS

1 REQ'D PER SB2500B | SHEET NO: 1 of 1 | FAB CODE: OPT | EFFECTIVE S/N:

DRAWN BY: JHB | CHECKED BY:

SCALE: 1/8=1 | DATE: 6/18/01 | DWG NO: 148519-01 | REV: 0

ALWAYS REFER TO THE MACHINE SERIAL NUMBER WHEN ORDERING PARTS OR WRITING FOR INFORMATION. SPACE IS PROVIDED BELOW TO RECORD PERTINENT INFORMATION CONCERNING YOUR MACHINE.

SERIAL NUMBER:	
DATE PURCHASED:	
ENGINE MAKE:	
ENGINE MODEL:	

CHANGES

PARTS INFO.	SERVICE INFO.	GROUP	PAGE	NOTES

NOTES:

FOR ADDITIONAL INFORMATION OR ASSISTANCE :

ROADTEC,INC.
800 MANUFACTURERS RD.
P.O. BOX 180515
CHATTANOOGA, TN. 37404-7515
PHONE: 423-265-0600
1-800-272-7100
FAX: 423-267-7104

ROADTEC, INC - PARTS
2090 RIVERSIDE DRIVE
CHATTANOOGA, TN. 37406
PHONE: 423-622-9202
1-877-266-8882
FAX: 423-622-9072