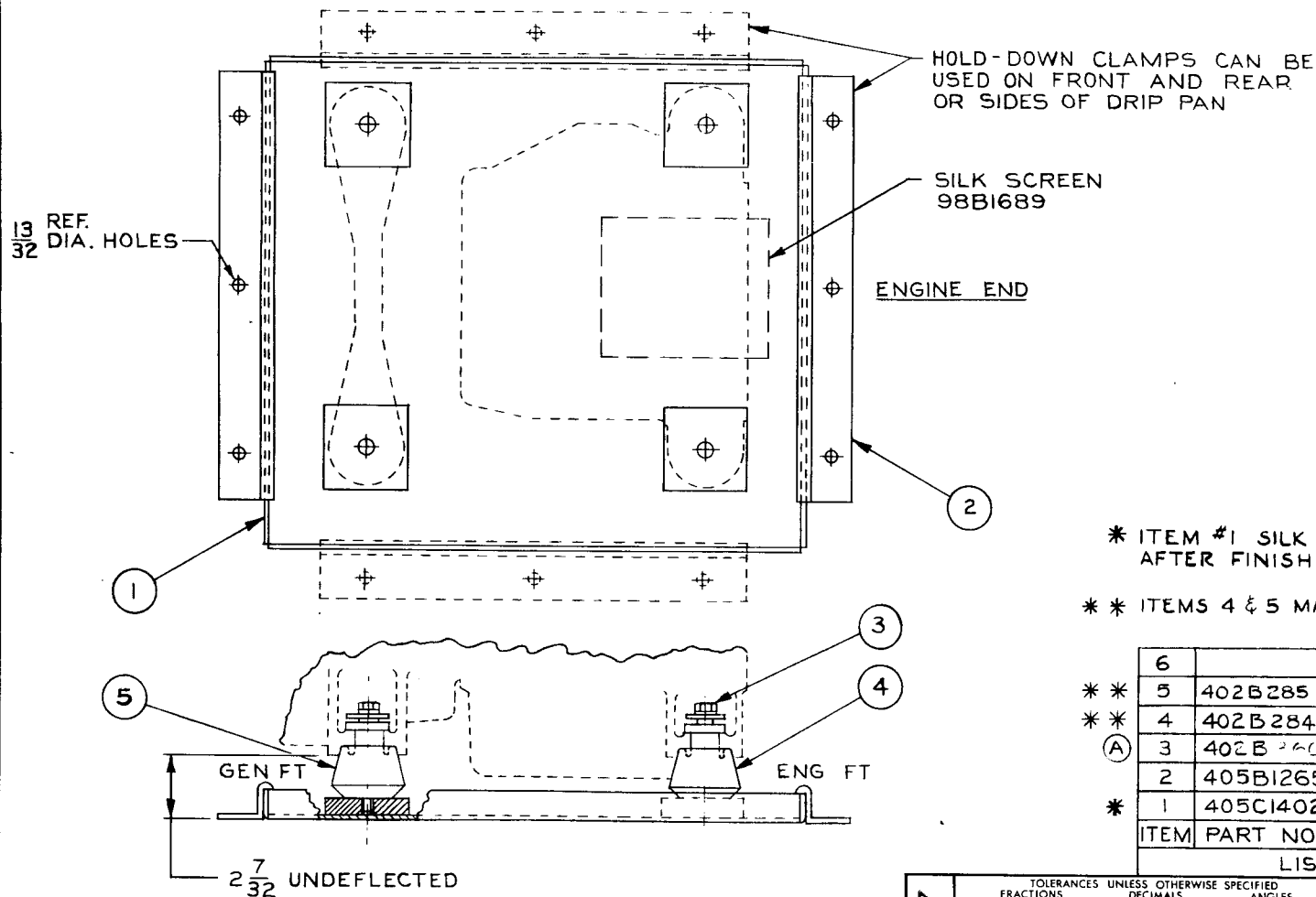


179B177

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LET	REVISIONS	ZONE	ENG	CKR	DATE
~	GENERAL REVISIONS	~	~	~	12-16-63
A	WAS # 402B 232	C-3	~	~	10-7-62



* ITEM #1 SILK SCREEN PER 98B1689
AFTER FINISH PAINT

** ITEMS 4 & 5 MARK BY SHIPPING ("GEN." OR "ENGINE")

6		1	INSTRUCTION SHEET
** 5	402B285	2	CUSHION MARK "GEN."
** 4	402B284	2	CUSHION MARK "ENGINE"
(A) 3	402B 266	4	HARDWARE-MTG
2	405B1265	2	CLAMP-HOLD DOWN
* 1	405C1402	1	DRIP PAN ASSY
ITEM	PART NO.	QTY	DESCRIPTION
LIST OF MATERIALS			

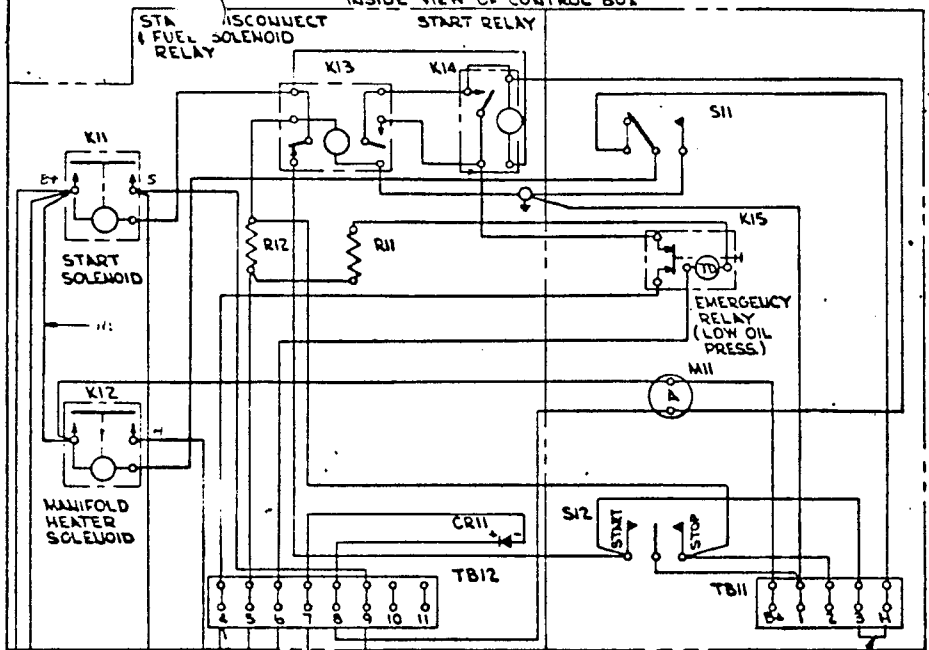
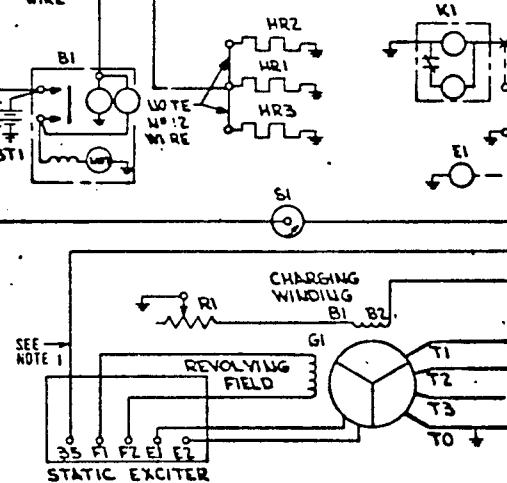
179B178
179B177
179B176
179B174
179B173

179B177	TOLERANCES UNLESS OTHERWISE SPECIFIED			FRACTIONS DECIMALS ANGLES				
	MATERIAL			NOTED				
	PROD TOOLING			DATE 11-26-63				
	RELEASE			DR. R.L.M. ENGR. T.K.C. CKR. MASE SC. 1=4				
SAMPLE RELEASE			T.K.C. 11-4-63			NAME ILLUSTRATION-DRIP PAN MTG		
PROD RELEASE			T.K.C. 11-2-63			PATT NO. DWG NO. 179B177		
MODEL 705MJB			6MDJB					

611C811

WIRING DIAGRAM

INSIDE VIEW OF CONTROL BOX

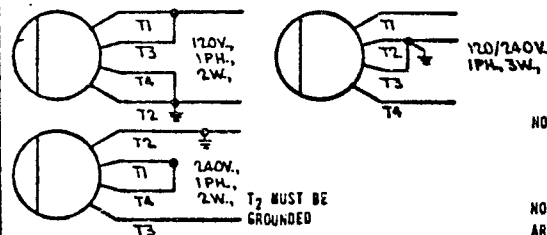
NOTE:
WIREREMOVE JUMPER WHEN
PRE-HEAT CIRCUIT IN AUTOMATIC
OR LOAD TRANSFER IS USED

T₀ MUST BE GROUNDED
ON 4R, 7R, 7XR.
T₀ UNGROUNDED ON
4XR, 50R, 60R, 9XR.

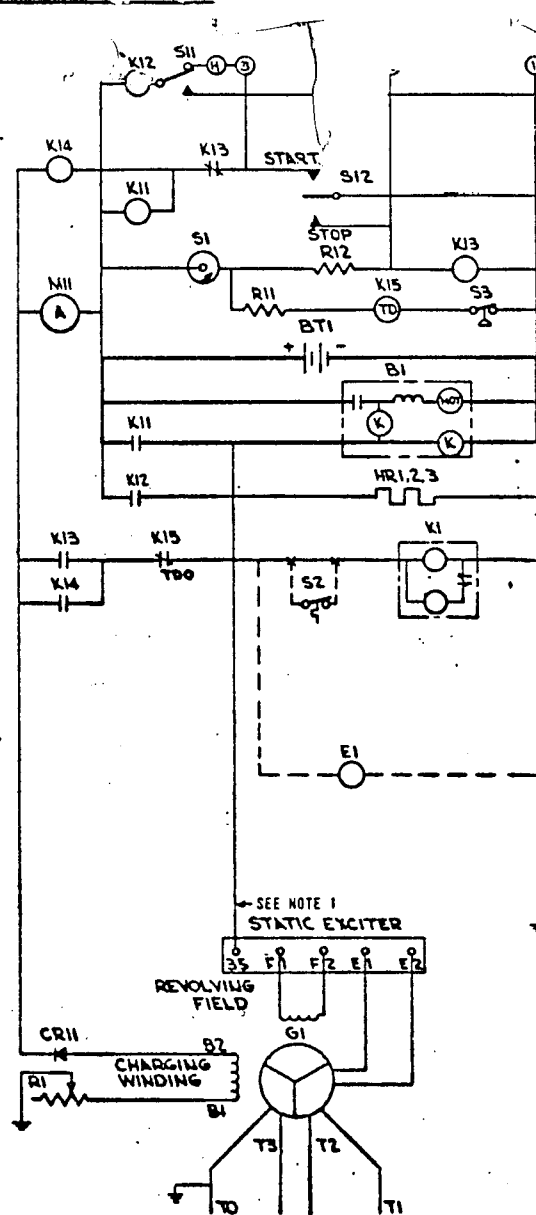
**AC VOLTAGES

3CR: 120/240V., 1PH., 3W.,
4R: 120/208V., 3PH., 4W.,
50R: 120/240V., 3PH., 4W., Δ
60R: 240/480V., 3PH., 4W., Δ
4XR: 277/480V., 3PH., 4W.,
7R: 220/380V., 3PH., 4W.,
7XR: 240/416V., 3PH., 4W.,
9XR: 347/600V., 3PH., 4W.,

SINGLE PHASE AC LOAD CONNECTIONS (3CR)



NOTE: 1 THIS WIRE USED FOR 3CR, 4R, 7R, 7XR ONLY

NOTE: 2 UNLESS OTHERWISE NOTED, ALL COMPONENTS
ARE SHOWN IN THE DE-ENERGIZED POSITION.

KW	DASH NO
3CR	-01
ALL OTHERS	-02

REF. DES.	PART NO.	QTY	DESCRIPTION
B1		1	STARTER & MOTOR
BT1		1	BATTERY
E1		1	FUEL PUMP
G1		1	GENERATOR & STATIC EXCITER ASSY
HR1		1	HEATER - MANIFOLD
HR2,3		2	HEATER - GLOW PLUG
K1	3079629	1	SOLENOID - FUEL
R1	3044505	1	RESISTOR - CHARGE ASSY
S1		1	SWITCH - CENTRIFUGAL
S2		1	SWITCH - HIGH TEMP
S3		1	SWITCH - LOW OIL PRESS
CONTROL BOX PARTS LIST			
CR11	3054235	1	RECTIFIER - CHARGE
	3054254	1	MTG BRACKET - RECTIFIER
K11	30781046	1	RELAY - START SOLENOID
K12	30781046	1	RELAY - MANIFOLD HEATER
K13	3078623	1	RELAY - START DISC & FUEL SOLENOID
K14	3078597	1	RELAY - START
K15	3208104	1	RELAY - EMERGENCY (LOP)
M11	3024446	1	MMETER - CHARGE 5-2-5
R11	3044217	1	RESISTOR - 1 OHM 10W
R12	304432	1	RESISTOR - 15 OHM 10W
S1	308P37	1	SWITCH - MANIFOLD HEATER
S12	308P154	1	SWITCH - START STOP
TB11	3324634	1	TERMINAL BLOCK
	3324615	1	MARKER STRIP
TB12	3324706	1	TERMINAL BLOCK
	3324739	1	MARKER STRIP
W1	3324002	1	JUMPER
	351C1961	1	PANEL - CONTROL BOX
	30121362	1	CONTROL BOX
	30181963	1	COVER - CONTROL BOX
	301C1968	1	MTG BRACKET - CONTROL BOX
	508P1	1	GROMMET
	492A70	4	RUBBER MOUNTS
	337A52	1	GROUND STRAP
	332P52	1	TINNED CLIP
	3881683	1	SILKSCREEN (ADD "LOW OIL PRESS" & "RESET AFTER ONE MINUTE")
	9881589	1	SILKSCREEN (3CR ONLY)

MODEL NO
50 MDJB-**R/15
60 MDJB-**R/15
60 MDJE-**R/18
705 MDJE-**R/18
450 JB-**R/96P
60 JB-**R/96P

A

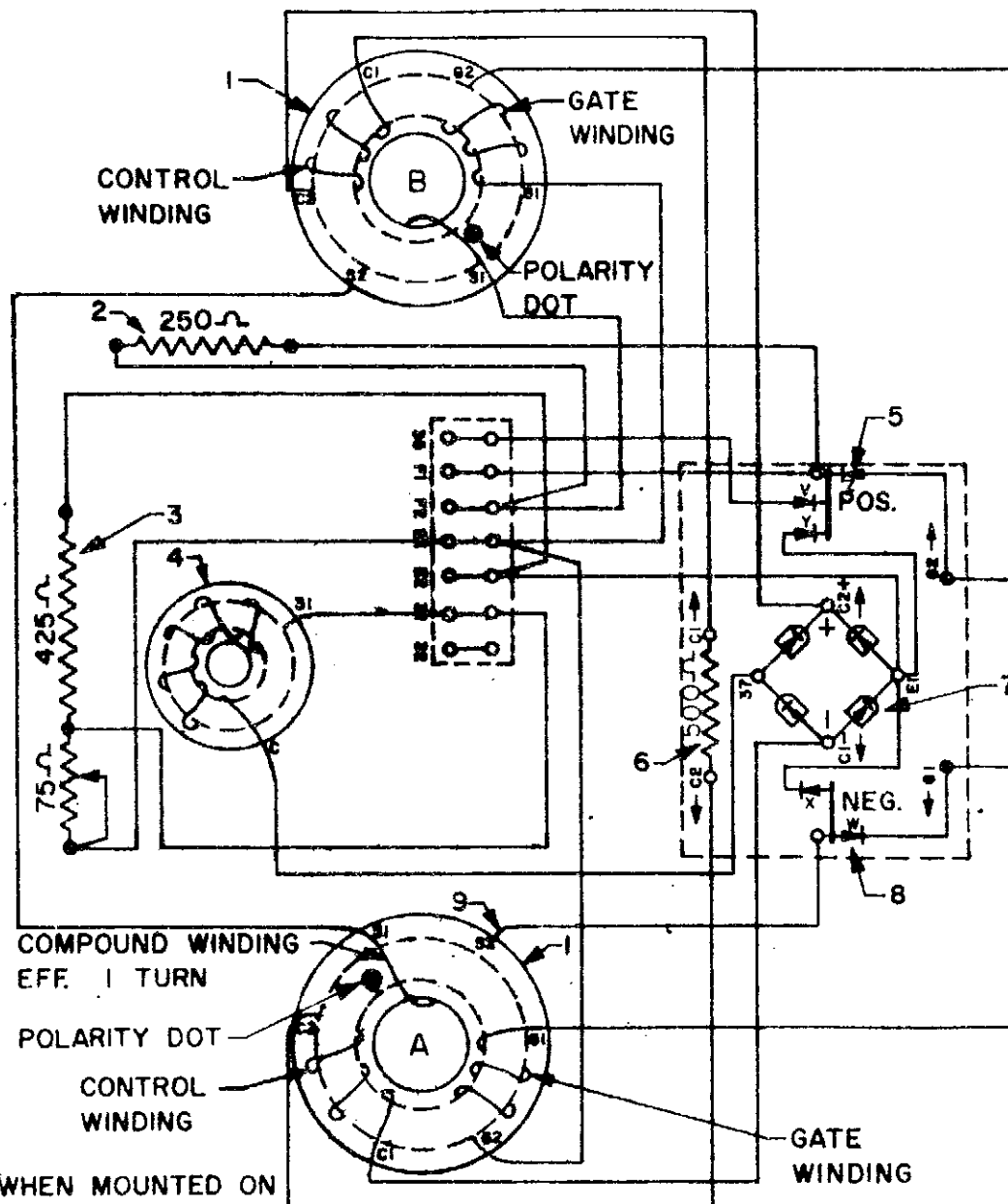
30 OR 60 CY

REV	DESCRIPTION	DATE	BY
1	ADDED AND REVISED TO CONTROL BOX	11-25-69	STA
2	SUPPRESSED DIMS - REVISED TO 1/16"		
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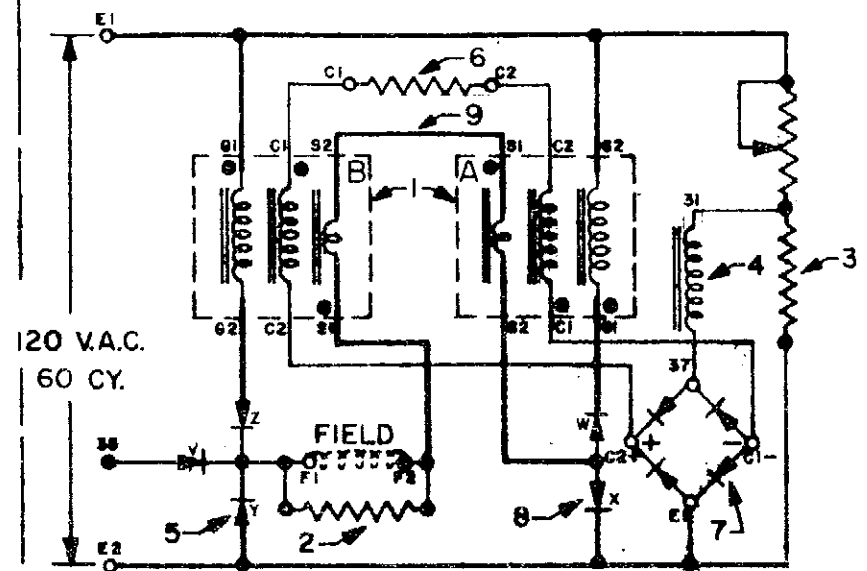
625A631

PICTORIAL



WHEN MOUNTED ON
GEN., THE POLARITY DOTS
WILL BE ON TOP OF
EACH REACTOR.

SCHEMATIC



9	1	336A1326	NO. 14 WIRE, 27 1/2" LG.
8	2	305P238	RECTIFIER-FIELD NEG.
7	4	305P240	RECTIFIER-CONTROL
6	1	304P476	RESISTOR-STABILIZING
5	3	305P239	RECTIFIER-FIELD POS.
4	1	315A100	REACTOR-CONTROL
3	1	304A527	RESISTOR-VOLT. CONTROL
2	1	304A510	RESISTOR-DAMPING
1	2	315A99	REACTOR-GATE
ITEM	QTY	PART NO.	DESCRIPTION

PARTS LIST

DIVISION OF STUDEBAKER INDUSTRIES, INC.
Minneapolis, Minnesota

DATE	11-30-65	DR.	CDR	ENGR.	GO	CKR.	W. J. B	SC.	
NAME	STATIC EXCITER WIRING DIAGRAM 120 V.A.C. 60 CY.								
MODEL	04SXIN3B			DWG. NO.		625A631			

3
GE✓
PARTS✓
TEST✓
SHIP✓
GD✓
TP✓
POA
LET

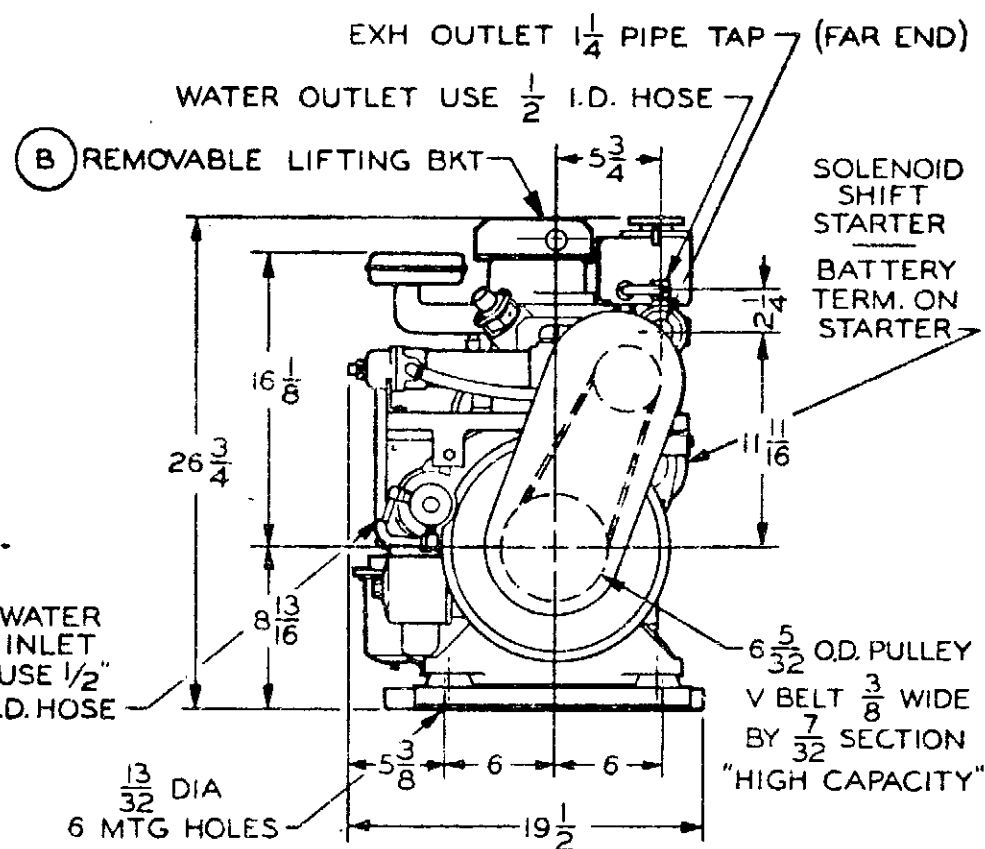
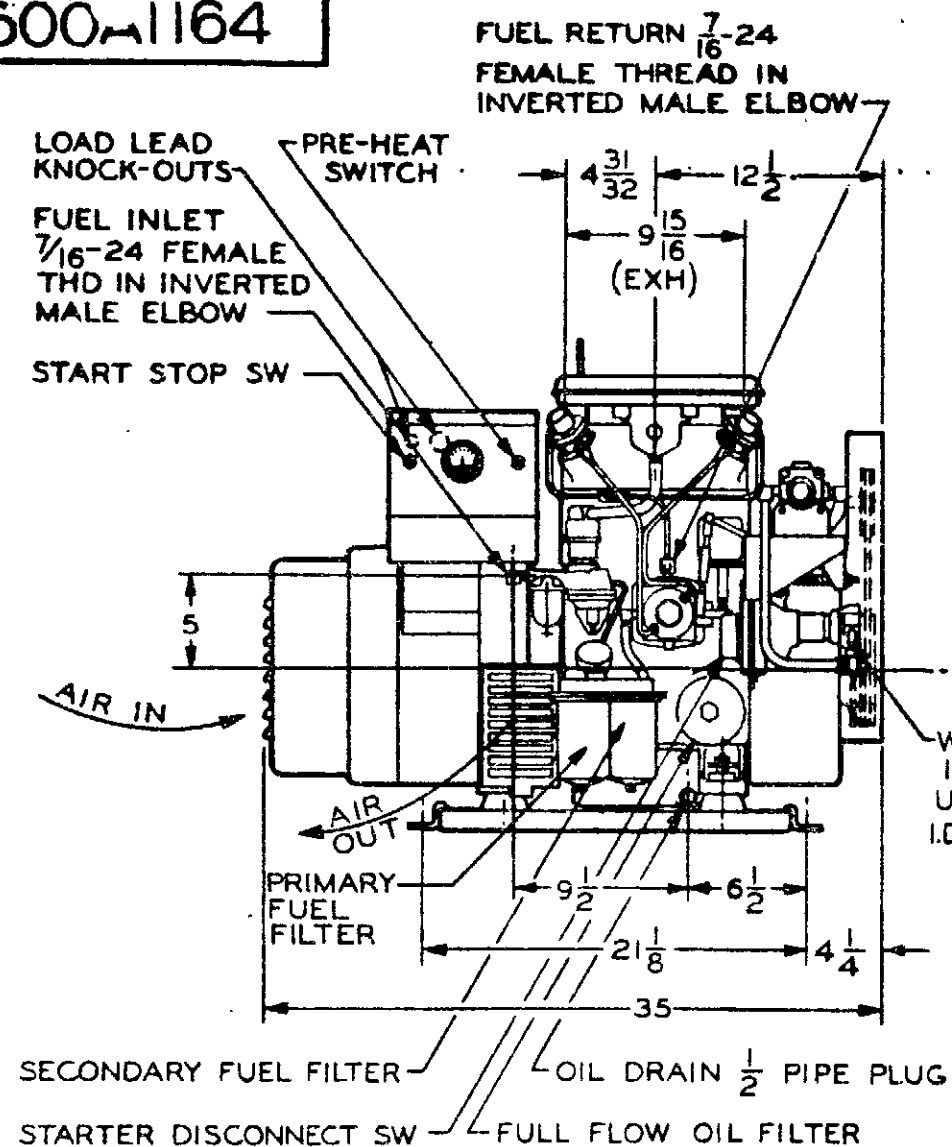
WAS "C" SIZE DWG.

REVISIONS

ENG CKR

DATE

500A1164



MODEL	KW	GEN OUTPUT	STARTING	WEIGHT
705MDJE	$7\frac{1}{2}$	1 $\emptyset$ 1.0 P.F. 3 $\emptyset$ 0.8 P.F.	REMOTE	560

B	LIFTING EYE CHANGED	TA	CF	8-28-68
A	MODEL WAS 705 MDJBB	KE	CF	11-28-67
LET.	REVISIONS	ENG	CKR	DATE

DIVISION OF STUDEBAKER INDUSTRIES, INC.
Minneapolis, Minnesota

DATE	DR.	ENGR.	CKR.	SC.
11-16-67	JR	KE	CF	3/32-1

NAME
OUTLINE - INSTALLATION

MODEL	WITH	DWG. NO.
705MDJE	HEAT EXCH.	500A1164