

CARLYLE SEMI-HERMETIC COMPRESSOR PART NUMBER DECODER

06D PART NUMBERING SYSTEM

MODEL	PRODUCT SERIES			UNLOADER VARIATIONS	MOTOR SIZE	CFM DISPLACEMENT	KEY NUMBER	VARIABLES			ELECTRICAL CHARACTERISTIC VARIATIONS	FUTURE DESIGN VARIABLES	PACKAGING VARIATIONS			
	0	6	D					1	2	3				4	5	6
VARIABLE DIGIT	1	2	3	4	5	6	7	8	9	10	11	12	13	14		

1ST, 2ND, 3RD DIGITS
SIGNIFY 06D HERMETIC
RECIP. COMPRESSOR

4TH DIGIT UNLOADER VARIABLE				DESCRIPTION
LETT	STAN	SERVI	BOTH	
A	X			NO HOT GAS BY-PASS UNLOADERS
B	X			ELECTRIC UNLOADERS 1 STEP
C	X			2 STEP
D	X			PRESSURE UNLOADERS 1 STEP
E	X			2 STEP
F	X			SUCTION CUT-OFF 1 STEP
G	X			ELECTRIC UNLOADERS 2 STEP
M		X		MED. TEMPERATURE, REPLACES ALL "A's" IN SERVICE
N		X		2 SHAVED HDS. - SPECIAL ORDER
R		X		REFRIGERATION
W		X		A/C - 2 PLUGGED HDS. REPLACES ALL C&E SERVICE SPEC. ORDERS
X		X		1 PLUGGED HEAD - REPLACES ALL B, C, D & E PROD. MODELS IN SERVICE
Y		X		REFR. - 2 PLUGGED HDS. SERVICE SPEC. ORDER
S		X		HI-EFF SERVICE MOD. w/1 BLOCKED UNLD'R HD - REPLACES F, G, H & J
H	X			SUCTION CUT-OFF PRES- 1 STEP
J	X			SURE UNLOADERS! 2 STEP

5TH DIGIT VARIABLE	MOTOR SIZES		
	2 CYL	4 CYL	6 CYL
0		3 HP	5 HP
1	2 HP		
2			24 LBFT
3		5 HP	27 LBFT
4	3 1/2 HP		
5		5 1/2 HP	38 LBFT
6			
7		5 HP	20 LBFT
8	3 HP	20 LBFT	24 LBFT
9			

6TH & 7TH DIGITS CFM	CRANKCASE ASSEMBLY NO.	CYL BORE
07	6D20-249	1 13/16
08	6D23-249	2
09	6D23-249	2
13	6D48-249	2
16	6D48-249	2
18	6D48-249	2
20	6D48-249	2
24	6D68-259	2
28	6D75-249	2
37	6D75-249	2

8TH DIGIT	KEY NO. SIGNIFICANCE
0	PROD. MOD. W/T-BOX
1	PKG. CPRSR. & CONTROL BOX
2	OEM A/C CPRSR.
3	TYLER MODELS
4	TECUMSEH OEM MODELS
5	FUTURE USE
6	REMAN. SERVICE CPRSR.
7	NEWMAN SERVICE GPRSR.
8	SPECIAL ORDER ONLY
9	SERV. SPEC. OR SEE NOTE 1

NOTES:

- SPECIAL ORDER SERVICE COMPRESSORS FOR BRYANT MAY BE PROCESSED AS "9" NAMEPLATED "6" (8TH DIGIT).
- SERVICE MODELS WITH "C" IN THE 10th DIGIT REPLACE ALL "A", "C" AND "E" ORIGINAL EQUIPMENT MODELS AND "D" SERVICE MODELS REPLACE "B" & "F" MODELS. TERMINAL BOXES AND OVERLOADS ARE TO BE RE-USED OR REPLACED IF DAMAGED.
- "09" IN THE 11TH & 12TH DIGITS HAS BEEN USED IN THE PAST FOR 400-3-50 MOTORS AND IS NO LONGER USED, SO AS TO AVOID CONFUSION IN SERVICE THESE DIGITS ARE TO BE LEFT ON THIS CHART BUT ARE NOT TO BE RE-USED.

13TH DIGIT	FUTURE DESIGN VARIABLES
0	ORIGINAL DESIGN A/C & REFRIG.
1	2ND GENERATION REFRIG. CPRSR. W/NEW VALVE PLATE
2	MED. RANGE A/C CPRSR. WITH REFRIG. CHARACTERISTICS
3	LOW CLEARANCE VOLUME
4	SUCTION CUT-OFF 1STEP ELECTRIC UNLOADERS
5	
6	
7	

14TH DIGIT	PACKAGING VARIATIONS
0	SERVICE UNIT SINGLE PACK - BASE UNIT UNPACKAGES
1	SINGLE PACK - DOMESTIC LESS SERVICE VALVE
2	MULTI-PACK - DOMESTIC
3	EXPORT - 1 UNIT
4	MULTI-PACK
5	PALLETIZED
6	GOVERNMENT PACK
7	SINGLE PACK - DOMESTIC WITH SERVICE VALVE
8	MATCHED COMPONENTS - CONSISTS OF SEPARATE EXPORT PACKAGE PIECES
9	DOMESTIC MULTI-PACK & MCMINNVILLE

10TH DIGIT	OVERLOAD & T'STAT. VARIABLE SEE NOTE 2		DESCRIPTION
	EXTL. OVLDS.	INTL. T'RAT.	
A	YES	YES	
B	YES	NO	
C	NO	YES	
D	NO	NO	
E	YES	YES	1ST OVERLOAD VARIATION
F	YES	NO	1ST OVERLOAD VARIATION
G	YES	YES	MANUAL RESET OVERLOADS
T	NO	YES	TECUMSEH SERVICE MODELS

11TH & 12TH DIGITS	ELECTRICAL CHARACTERISTICS VOLTS-PHASE-HERTZ	START
00		XL
01	575 - 3 - 60	XL
02	200 - 1 - 60	XL
03	230 - 1 - 60	XL
04	200 - 3 - 60	XL
05	230 - 3 - 60	XL
06	400/460 - 3 - 50/60	XL
07	230 - 1 - 50	XL
08	220 - 3 - 50	XL
09	SEE NOTE 3	XL
10	230 - 2 - 60	XL
11	480 - 3 - 60	XL
12	208/230 - 3 - 60	XL
13	380 - 3 - 60	XL
14	200 - 3 - 60	P/W
15	230 - 3 - 60	P/W
18	220 - 3 - 50	P/W
19	230/460 - 3 - 60	XL
21	575 - 3 - 60	XL
26	400/460 - 3 - 50/60	XL
31	575 - 3 - 60	XL
32	208/230 - 3 - 60	XL
36	400/460 - 3 - 50/60	XL
38	415 - 3 - 50	P/W
39	415 - 3 - 50	XL
33	208/230 - 1 - 60	XL
34	220 - 3 - 50	XL

9TH DIGIT	SUCTION SERVICE VALVE VARIABLES			VALVE ORIENTATION
	LOC. OF VALVE	M.E.COV. DESC.	VALVE ORIENTATION	
A	MOTOR END	2 BOLT	30°	0°
B	MOTOR END	4 BOLT	30°	
C	MOTOR END	2 BOLT	90°	
D	MOTOR END	4 BOLT	90° OR 180°	
E	MOTOR END	2 BOLT	150°	270° 90°
F	PUMP END	PLAIN	270°	
G	PUMP END	PLAIN	225°	

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CARLYLE SEMI-HERMETIC COMPRESSORS

GUIDE TO 06E PART NUMBERING SYSTEM

MODEL DIGIT	PRODUCT SERIES			DESIGN VARIABLES	USAGE	SIZE CFM CPRSR		ELECTRICAL CHARACTERISTICS	FUTURE DESIGN	MODEL AND PACKAGING
	0	6	E			A	1			
	1	2	3	4	5	6	7	8	9	10

1ST, 2ND, 3RD DIGITS
06E HERMETIC COMPRESSOR

▲ 4TH DIGIT
SUCTION
CUTOFF
UNLOADING

4TH DIGIT UNLOADER VARIABLE			
LETTER	STANDARD	SERVICE	BOTH
A	X		
B	X		
C	X		
D	X		
E	X		
F	X		
J	X		
K	X		
L	X		
N	X		
G	X		
P	X		
U	X		
V	X		
W	X		
M	X		
R	X		
T	X		
X		X	
Y		X	

DESCRIPTION

NO UNLOADERS

ONE UNLOADER - ELECTRIC

TWO UNLOADERS - ELECTRIC

ONE UNLOADER - PRESSURE

TWO UNLOADERS - PRESSURE

NO UNLOADERS

ONE UNLOADER - ELECTRIC

TWO UNLOADERS - ELECTRIC

ONE UNLOADER - PRESSURE

TWO UNLOADERS - PRESSURE

NO UNLOADERS - PRESSURE

ONE UNLOADER - ELECTRIC

TWO UNLOADERS - ELECTRIC

ONE UNLOADER - PRESSURE

TWO UNLOADERS - PRESSURE

MEDIUM TEMP. - NO UNLOADERS

REFRIGERATION - NO UNLOADERS

SERVICE CMPRSR. w/ (1) BLOCKED SUCTION CUTOFF UNLOADER HEAD

SERVICE COMPRESSOR - AIR CONDITION.

SVC. CPRSR. - REFRIG.

REVERSED HEAD & CYL. CONT BOX USED BY CAC FOR UNITS SEE NOTE 2

REPLACES 2, 3, 4, 5, 6, 7, 8 & 9

REPLACES A, B, C, D, E, F, J, K, L & N

REPLACES R

10TH DIGIT PACKAGING			
0	MODEL NO.	4	MULTI PACK EXP
1	SINGLE PACK LESS VALVE	5	PALLETIZED LESS VALVE
2	MULTI PACK DOM	7	PALLETIZED WITH VALVE
3	SINGLE PACK WITH VALVE	9	MULTI PACK MC MINN

9TH DIGIT SERVICE DESIGN VARIABLE	
1	THERMOTECTOR PROTECTION OLD STYLE CRANKCASE
2	NEW MANUFACTURE SERVICE COMPRESSOR
3	FUTURE USE
4	REMANUFACTURED SERVICE COMPRESSOR LOW TEMP
5	OLD STYLE CRANKCASE ROBERTSHAW SENSORS & TAPPED CYL. HDS. MOTOR PROTECTION KIT REQ'D. FOR THERMOTECTOR APPLICATION
6	REMANUFACTURED SERVICE COMPRESSOR
7	REMANUFACTURED SERVICE COMPRESSOR MED. TEMP.

9TH DIGIT PROD. DESIGN VARIABLE	
0	OEM MODEL
1	ELECTRICAL REDESIGN
2	
3	FIRST REDESIGN LONG STROKE CRANKCASE
4	SECOND DESIGN ROBERTSHAW MOTOR PROTECTION
5	
6	CPRSR. MODEL LESS MOTOR PROTECTION
7	MEDIUM TEMP. ROBERTSHAW MOTOR PROTECTION
8	
9	CEMAK MODEL

5TH DIGIT USAGE			
0	LIGHT DUTY CPRSR. OR CPRSR. UNIT TONNAGE	5	
1	MEDIUM DUTY CPRSR.	7	
2	HEAVY DUTY CPRSR.	8	SPECIAL ORDER
3		9	
4			

6TH & 7TH DIGIT COMPRESSOR SIZE				
NO. CYL.	STD. PROD.	LONG STROKE STD. CLEARANCE	LONG STROKE HI CLEARANCE	SHORT STROKE
4	50 CFM	66 CFM	60 CFM	-
6	75 CFM	99 CFM	-	65 CFM

COMPRESSOR UNITS (CAC USAGE)		
NO CYL.	STD. PROD. CPRSR.	LONG STROKE CPRSR.
4	22 (NOM TONS)	-
6	33 (NOM TONS)	44 (NOM TONS)

8TH DIGIT ELECT	
1	575 - 3 - 60
2	200 - 1 - 60
3	208/230/460 - 3 - 60
4	200 - 3 - 60
5	230 - 3 - 60
6	400 - 3 - 50
	460 - 3 - 60
7	230 - 1 - 50
8	230 - 3 - 50
9	220/380 - 3 - 60
0	208/230 - 2 - 60
A	415 - 3 - 50

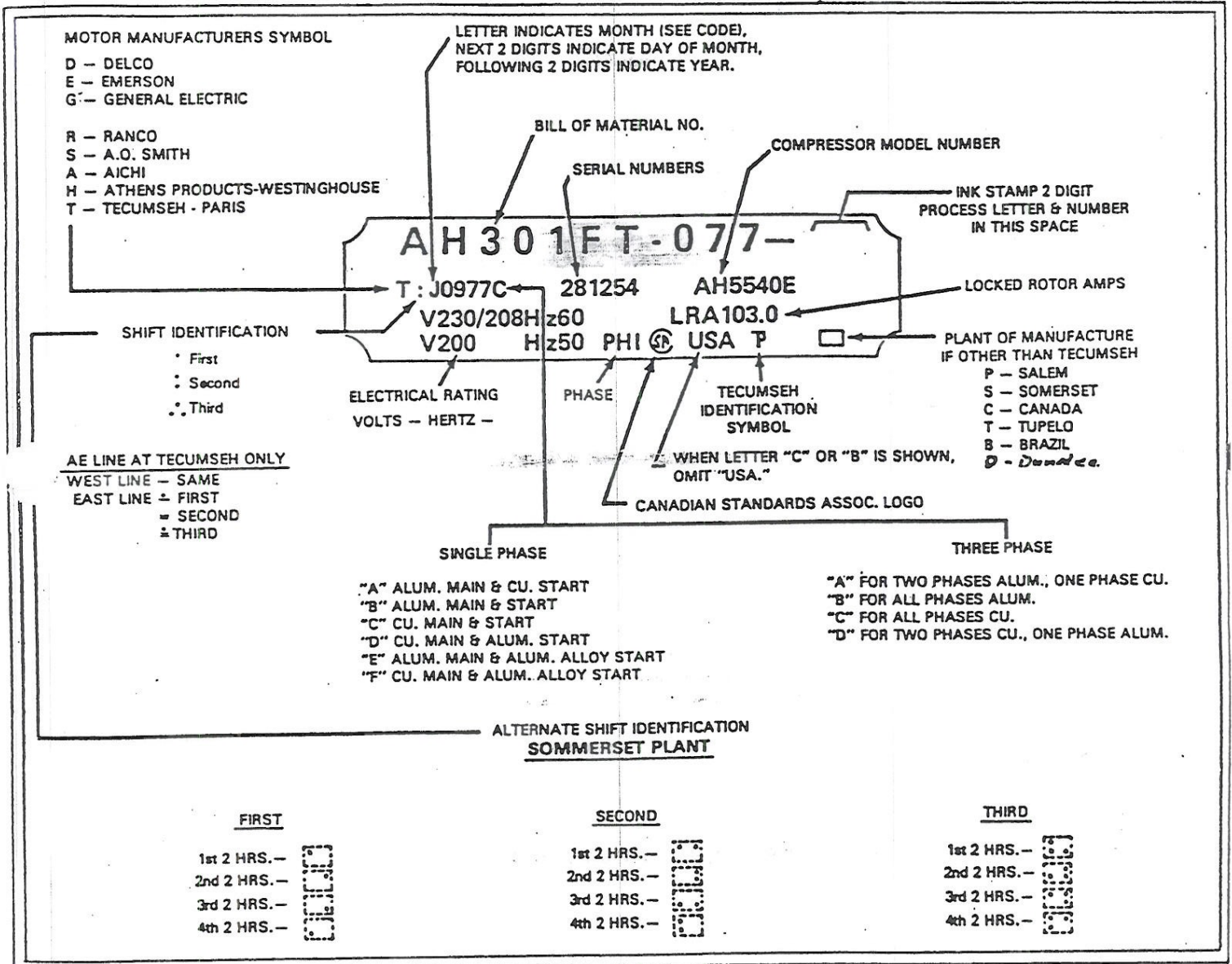
SYMBOLS:

▲ = SAMPLE PART NO. 06E2150360

NOTES:

- 220-3-60 UNIT DESIGNED FOR USE ON 198 to 242 V
380-3-60 342 418 V
575-3-60 518 660 V
460-3-60 414 529 V
230-3-60 198 264 V
230-3-50 198 264 V
400-3-50 342 457 V
200-3-60 180 229 V
- RVS HD CPRSR - ORIGINAL DESIGN NO. 4TH DIGIT A, B, C, D, CRF 9TH DIGIT
REDESIGN NO. 4TH DIGIT F, J, K, L OR N 9TH DIGIT SAME AS STANDARD

TYPICAL COMPRESSOR SERIAL PLATE



DATE OF MANUFACTURE

The date of manufacture is determined by a code on the serial plate or unit nameplate. This code is as follows:

Starting in January 1940 the date designation on all hermetic compressors was simplified to one letter and one figure. The months are lettered as follows:

January - A	March - C	May - E	July - G	September - J	November - L
February - B	April - D	June - F	August - H	October - K	December - M

Preceding this letter is a numeral indicating the year this compressor was built. For example, 1A would indicate the compressor was built January 1941, 7C would indicate the compressor was built March 1947. This system will hold for compressors manufactured from 1940 through 1949.

For compressors manufactured from 1950 to 1952, the year precedes the letter designating the month. For example, 51L is a compressor manufactured in November 1951. From 1953 to 1958 the year is the first numeral and the month and day are on the second line.

From 1958 on, the second line reading from left to right is: Letter indicating motor, dots to identify shift, letter for month, 2 digits for day and 2 digits for year of manufacture.

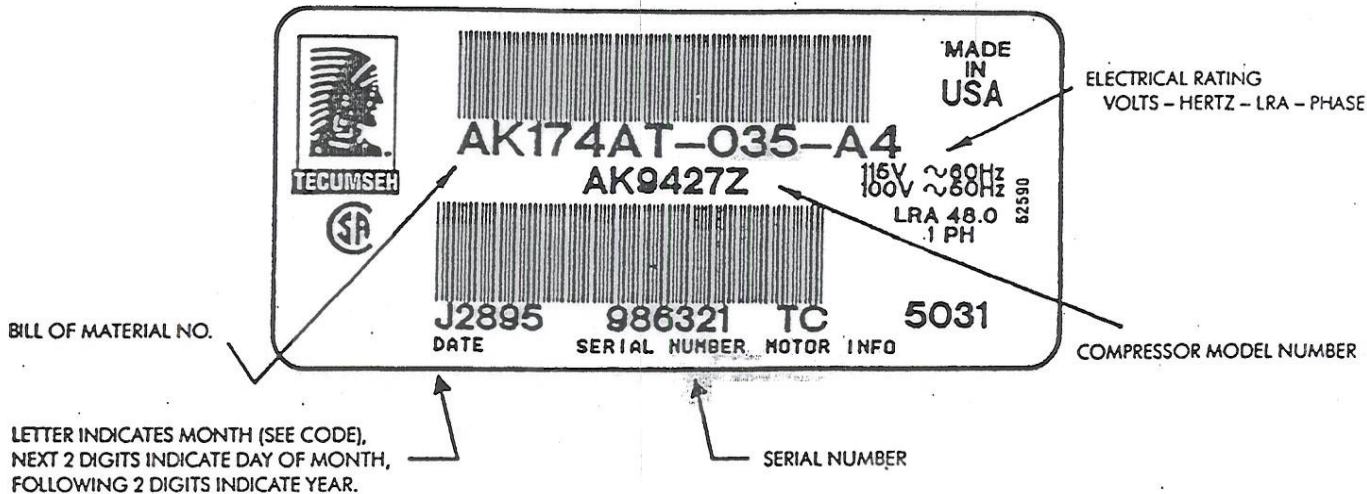
SERIAL PLATE INFORMATION

The only source for complete compressor information is on the compressor serial plate/label. The serial plate/label, which is self-adhered to the compressor, has almost entirely replaced the use of the metal serial plate which was spot welded to the housing. Both describe the compressor characteristics exactly.

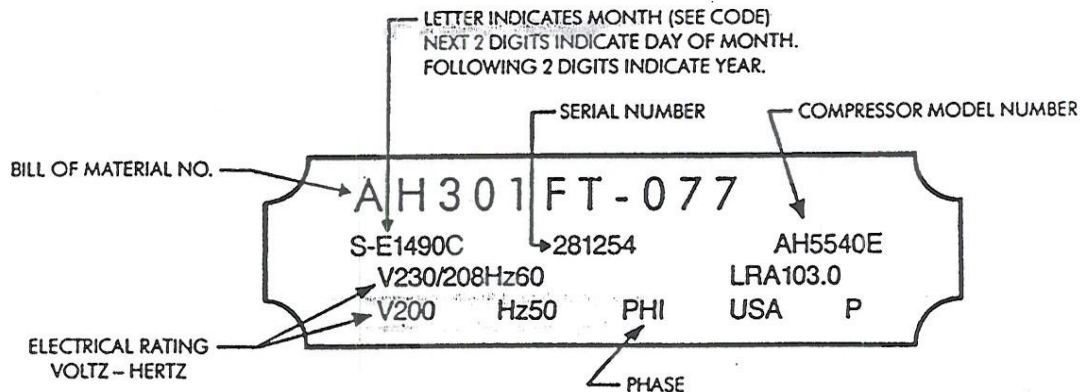
The months are identified as follows:

January - A	March - C	May - E	July - G	September - J	November - L
February - B	April - D	June - F	August - H	October - K	December - M

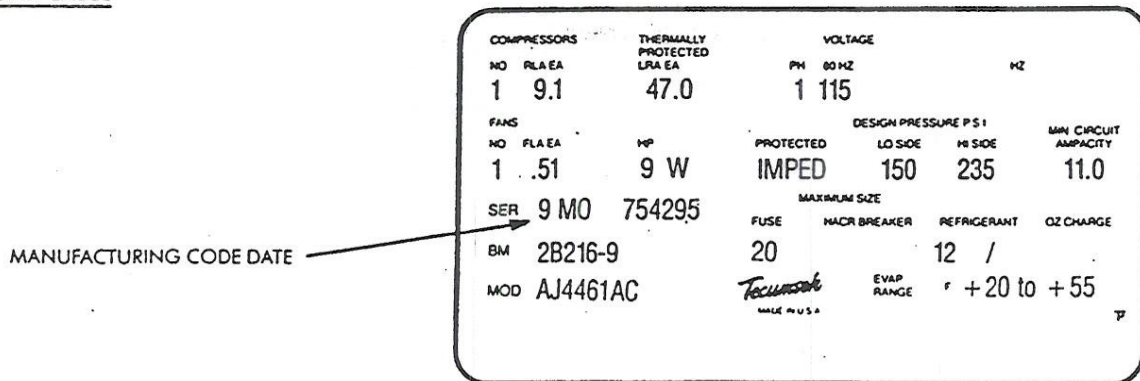
TYPICAL CURRENT SERIAL PLATE/LABEL



TYPICAL CURRENT SERIAL PLATE/METAL



CONDENSING UNIT LABEL



THE MONTH OF MANUFACTURE - ONE LETTER IS BETWEEN THE YEAR - TWO NUMBERS.

