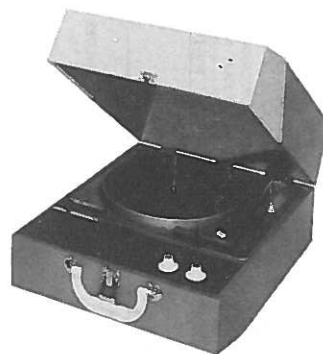


PHOTOFACT® Folder

LAFAYETTE
MODEL L7EF3

TRADE NAME : Lafayette Model L7EF3 (24-0219WX)

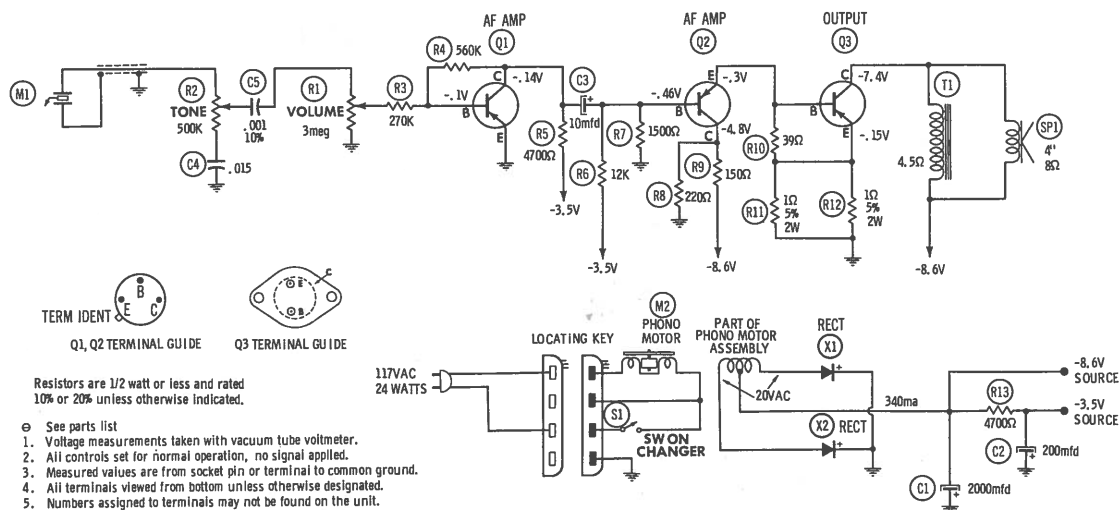
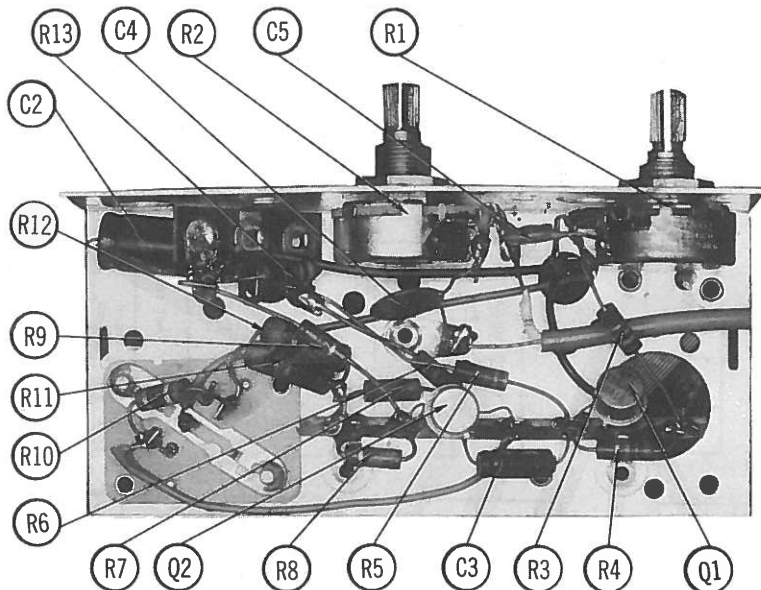
SUPPLIER : For Current Address, See Annual Index.

TYPE SET : 3 Transistor Phono Amplifier with
4 Speed Automatic Record Changer

POWER SUPPLY : 110-120 Volts AC, 60 Cycles

RATING : 24 Watts, .2 Amp. @ 117 Volts AC

FOR SERVICE INFORMATION ON RECORD CHANGER —
SEE SIMILAR CHANGER — PHOTOFACT SET 695, FOLDER 4

LAFAYETTE
MODEL L7EF3

A PHOTOFACT STANDARD NOTATION SCHEMATIC
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LAFAYETTE
MODEL L7EF3

HOWARD W. SAMS & CO., INC. Indianapolis, Indiana 46206

The listing of any available replacement part herein does not constitute in any case a recommendation, warranty or guaranty by Howard W. Sams & Co., Inc., as to the quality and suitability of such replacement part. The numbers of these parts have been compiled from information furnished to Howard W. Sams & Co., Inc., by the manufacturers of the particular type of replacement part listed. SR004

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DATE 1 -67

SET 863 FOLDER 6



PARTS LIST AND DESCRIPTION

(When ordering parts, state Model, Part Number, and Description.)

TRANSISTORS

| ITEM No. | ORIG. TYPE | USE | REPLACEMENT DATA | | | NOTES |
|----------|------------|---------|------------------|---------------------------|--------------|-------|
| | | | DELCO PART No. | GENERAL ELECTRIC PART No. | RCA PART No. | |
| Q1 | T59247 | AF Amp. | DS-28 | GE-2 | | PNP |
| Q2 | T59249 | AF Amp. | DS-28 | GE-2 | | PNP |
| Q3 | GPT-16 | Output | DS-520 | GE-3 | | PNP ① |

① When replacing, apply silicone grease to both sides of insulator. Tighten mounting screws securely.

POWER RECTIFIERS & SIGNAL DIODES

| ITEM No. | MEASURED CURRENT | ORIGINAL Part or Type No. | RECTIFIERS & DIODES | | RECTIFIERS | | |
|----------|------------------|---------------------------|---------------------------|----------------------------------|------------------|--------------------|-------------------------|
| | | | GENERAL ELECTRIC PART No. | INTERNATIONAL RECTIFIER PART No. | MALLORY PART No. | RCA PART No. | SARKES TARZIAN PART No. |
| X1 | .170A | SD-1Z | GE-504A or GE-505 | 5A4-D or SD500 | A50 or CTP50 ① | SK-3016 or SK-3017 | F-4 or S-5981 ① |
| X2 | .170A | SD-1Z | GE-504A or GE-505 | 5A4-D or SD500 | A50 or CTP50 ① | SK-3016 or SK-3017 | F-4 or S-5981 ① |

① A single unit replacement for X1 and X2.

ELECTROLYTIC CAPACITORS

| ITEM No. | RATING | | REPLACEMENT DATA | | | | |
|----------|--------|-------|--------------------|------------------|---------------------------|---------------------------|------------------|
| | CAP. | VOLT. | LAFAYETTE PART No. | AEROVOX PART No. | CORNELL-DUBILIER PART No. | GENERAL ELECTRIC PART No. | MALLORY PART No. |
| C1 | 2000 | 15 | | PRS1240 | BR2000-15 | QTI-33 | TC1520 |
| C2 | 200 | 12 | | CRE431A | NLW200-12 | MT1-23 | TT12X200 |
| C3 | 10 | 12 | | CRE407A | NLW10-15 | MT1-5 | TT12X10 |

CAPACITORS

| ITEM No. | RATING | REMARKS | REPLACEMENT DATA | | | | | |
|----------|----------|---------|------------------|--------------------|---------------------------|------------------|------------------|------------------|
| | | | AEROVOX PART No. | CENTRALAB PART No. | CORNELL-DUBILIER PART No. | ELMENCO PART No. | MALLORY PART No. | SPRAGUE PART No. |
| C4 | .0015 | | DI-1500 | DD-152 | JBS601YPI02K | CCD-152 | GP215 | 10TS-D15 |
| C5 | .001 10% | | DI-1000 | DD-102 | | CCD-102 | GP210 | 10TS-D10 |

CONTROLS

All wattages 1/2 watt, or less, unless otherwise listed.

| ITEM No. | USE | RESISTANCE | REPLACEMENT DATA | | | | |
|----------|--------|------------|--------------------|-------------------------------|--|---|---|
| | | | LAFAYETTE PART No. | CENTRALAB PART No. | CLAROSTAT PART No. | CTS-IRC PART No. | MALLORY PART No. |
| R1 | Volume | 3meg | 360320 | F2-3meg, SSK012 | A47-3meg-Z, KSS-3 or (NP-3meg-Z, UP-C-400) | Q13-140 or (BU2, CF28, SS8) * | UA36A, SK750 or (RU36A, SL38, SK750) or (U59) |
| R2 | Tone | 500K | CML5795 | F1-500K, SSK102, BA006, CA005 | A47-500K-S, KSS-3 or (NP-500K-S, UP-C-400) | QCB1 ①, BU11-133, TM5 or (BU2, CF16, SS8) * | UA55L, SK750 or (RU55L, SL41 ②, SK750) or (U50) |

① Use QCB1 bushing instead of Tab Mount Plate in TM5 Kit.

② Alter bushing to meet requirements.

* "SNAPTROL"

RESISTORS (Power and Special)

| ITEM No. | RATING | REPLACEMENT DATA | | | ITEM No. | RATING | REPLACEMENT DATA | | |
|----------|--------|------------------|------------------|--------------------|----------|--------|------------------|------------------|--------------------|
| | | IRC PART No. | WORKMAN PART No. | LAFAYETTE PART No. | | | IRC PART No. | WORKMAN PART No. | LAFAYETTE PART No. |
| R11 | 1Ω 2W | BWH-1 | WS-1 | | R12 | 1Ω 2W | BWH-1 | WS-1 | |

SPEAKER

| ITEM No. | TYPE | REPLACEMENT DATA | | | NOTES |
|----------|------------|--------------------|-----------------|---------------|-------|
| | | LAFAYETTE PART No. | JENSEN PART No. | QUAM PART No. | |
| SP1 | 4" PM 6-8Ω | | P4V3Z8 | 4A05Z8 | |

CHOKE (AUDIO OUTPUT)

| ITEM No. | INDUCTANCE | REPLACEMENT DATA | | | | | NOTES |
|----------|------------|--------------------|----------------|------------------|---------------------|----------------|-------|
| | | LAFAYETTE PART No. | MERIT PART No. | STANCOR PART No. | THORDARSON PART No. | TRIAD PART No. | |
| T1 | 66mh | (CT-770) | | | | | |

PHONO CARTRIDGE & NEEDLES

*NEEDLE LISTINGS SHOWN ARE FOR RESPECTIVE REPLACEMENT CARTRIDGES ONLY.

| ITEM No. | REPLACEMENT DATA | | | | | | | | NOTES |
|-------------|-----------------------|---------|---------------------|----------------------------------|---------------------------|--------------------------------|----------------------|--------------------------------------|--|
| | LAFAYETTE PART No. | | ASTATIC PART No. | | ELECTRO-VOICE PART No. | | SONOTONE PART No. | | |
| | CARTRIDGE | NEEDLE* | CARTRIDGE | NEEDLE* | CARTRIDGE | NEEDLE* | CARTRIDGE | NEEDLE* | |
| M1 | | | 470 | (LP) N8-1S * (78) N8-3S | 88 | (LP) 3006 * (78) 3008 | 14TS | (LP) N-14T1S * (78) N-14T3S | |
| | | | | (LP) N8-1S (78) N8-3S | | (LP) 3000 (78) 3002 | | | Needle Replacement for Original Cartridge |

MISCELLANEOUS

| ITEM No. | PART NAME | LAFAYETTE PART No. | NOTES |
|----------|-----------|--------------------|-------|
| M2 | Motor | | Phono |
| S1 | Switch | | Phono |

WIRING DATA

| | |
|--|--|
| General-use Unshielded Hook-up Wire | Use BELDEN No. 8530 (Solid) Available in 12 Colors 8524 (Stranded) Available in 12 Colors |
| Power Cord | Use BELDEN No. 17106 (Plastic) or 17126 (Rubber) - 6 Ft. 17109 (Plastic) or 17129 (Rubber) - 9 Ft. |
| Power Cord (Interlock Type) | Use BELDEN No. 8874 (Rubber) or 8895 (Plastic) |
| Low-Loss Shielded Lead (Interconnecting) | Use BELDEN No. 8401 or 8421 |
| Phono Pick-up Arm Cable | Use BELDEN No. 8430 (Two Conductor-Unshielded) 8429 (Two Conductor-Shielded) 8419 (Three Conductor-Shielded) |