ILLUSTRATED PARTS LIST

| NAME OF TAXABLE PARTY O | | | | |
|--|--------------|---------------|--|--|
| MODEL | TOP ASSEMBLY | SER.NO.PREFIX | | |
| 60A | 400016-04 | 11- | | |
| BUA . | 400019-02 | 11- | | |
| 60 S | 400028-02 | 11-, 12-, 13- | | |
| 805 | 400029-02 | 11-, 12-, 13- | | |
| 85 A | 400029-06 | 12- | | |

12-, 13-

12-, 13-

EAGER BEAVER

400029-09

400029-08

BSA SPECTAL

P.S.I

| I-\$ | 400031-02 | 11-, 12-, 13- |
|----------------------|-----------|---------------|
| I Special | 400031-03 | 12-, 13- |
| II-S | 400032-02 | 11-, 12-, 13- |
| 111 | 400032-04 | 12- |
| 111-SPECIAL 111-S | 400032-06 | 12-, 13- |

McCulloch Chain Saws are identified by a model number (for example 400028) followed by a suffix number (02, 03 etc.). Suffix numbers denote variations in parts or assemblies used in the manufacture of this product.

Part numbers listed in this I.P.L. which have a circled number ① or numbers preceding the description, are used only on the model or models identified by a circled number ① or numbers.

Part numbers which have one or more dots (.) preceding their descriptions may be ordered individually, but they are also included in the kit or assembly whose description begins directly above the dot(s).

The policy of McCulloch Corporation is one of continual improvement in design, manufacturing and engineering advancement wherever possible to assure still finer power tools. Hence, specifications, equipment, colors, design and manufacturer's suggested list prices are subject to change without notice and McCulloch Corporation reserves the right to make such changes without prior notification or obligation to backfit or supply backfit components for units previously shipped from the factory.

JUNE 1987



C U.S.A. - McCulloch Corporation, 1987

Printed in U.S.A.

900 Lake Havasu Ave. Lake Havasu City, AZ 86403-2891 218825-01 (Rev. A)

McCULLOCH & EAGER BEAVER **FLEX SHAFT**

String Trimmers & **Brush Cutters**

MAC"60A SUPER MAC 60-S SUPER EAGER BEAVER'I-S



PRO SCAPER"! MAC"BOA SUPER MAC 80-S SUPER EAGER BEAVER'I SPECIAL

SUPER EAGER BEAVER II-S



FIGURE 1.

FIGURE 2.

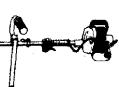
FIGURE 4.

FIGURE 5.

FIGURE 6.







| -CONTENTS | PAGE |
|--------------------------------|------|
| Orive Shaft/Shield/Cutter | |
| Assemblies | 2 |
| Engine Assembly | |
| Carburetor Assemblies For | |
| String Trimmer Only | 6 |
| Carburetor For String Triamer/ | 1 |
| Brush Cutters Only | |
| Specifications | |
| Accessories & Replacement | |
| Trades to the second | _ |

This IPL Supercedes and Replaces IPL 216925-Ri, 218823, 218824, 218825 & 219298.

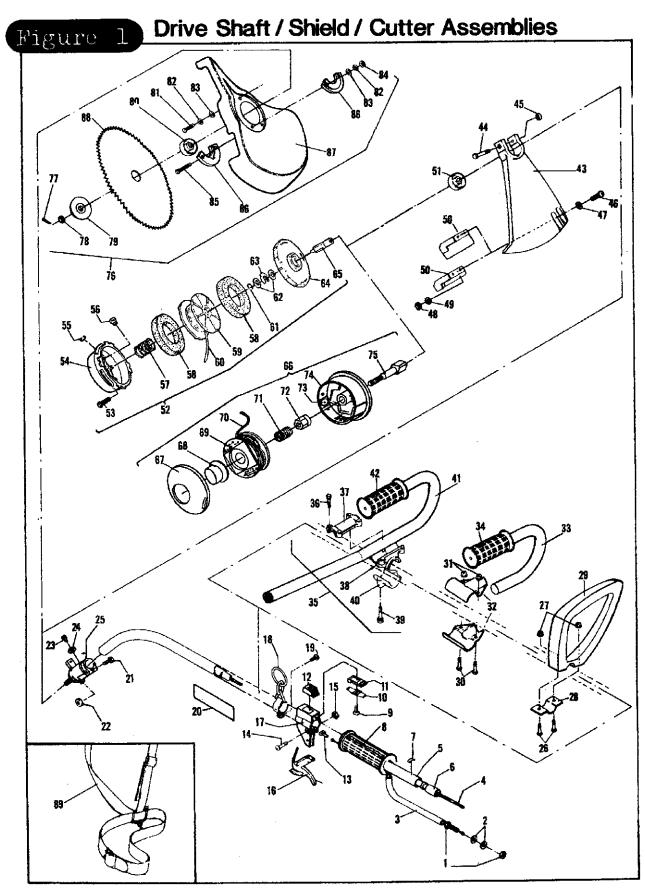


FIGURE 1 DRIVE SHAFT / SHIELD / CUTTER ASSEMBLIES

| ITEM NO. | PART NUMBER | UNITS DESCRIPTION | PER ASY. | I TEM | | PART NUMBER | UNITS DESCRIPTION | PER ASY. |
|----------------------|------------------|--|-------------|----------|----------|------------------|--------------------------------|-------------|
| 1 | 217403 | Nut-Throttle Cable | 2 | 43 | | 217869 | Shield-Grass | ì |
| - | | (18-26 inch pounds torque) | - | 1 44 | | 216595 | Screw-Shield | 1 |
| 2 | 216596 | Nasher-Throttle Cable | 2 | 45 | | 215871 | .Nut-Shield | 1 |
| 3 (1) | 217360 | Cable-Throttle | 1 | 1 | | | (18-26 inch pounds torque) | |
| ` (| 215306 | Harness-Throttle Cable/ | | 46 | | 217936 | Screw-Knife 10-25x.75 | 2 |
| _ | | Wire Assembly | 1 [| 47 | | 110582 | .Washer-Flat | 2 |
| 4 00 | 218285 | Shaft-Flexible Drive 44" | 1 | 48 | | 218315 | .Nut-Hex & | S |
| • | 215324 | Shaft-Flexible Drive 48" | 1 | 49 | | 103174 | .Washer-Loc | 2 |
| • | 218326 | Shaft-Flexible Drive 54" | 1 1 | 50 | ҈ | 218516 | .Knife | 1 |
| 90000 | 219561 | Housing Asy-Outer 44" | 1 | | ② | 216587 | .Knife | 1 |
| 9 | 217361 | Housing Asy-Outer 48" | 1 | 51 | | 218214 | .Collar (For Use With | 1 |
| ્ર છે | 217362 | Housing Asy-Outer 54" | 1 | 1 | _ | | String Head Only) | 1 |
| 6 🙊 | 218282 | Sleeve (For 44" Shaft) | i i | 52 | Ϣ. | 217353 216821 | Head Asy-String080 | - |
| 9 | 217366 | .Sleeve (For 48" Shaft) .Sleeve (For 54" Shaft) | 1 | | (2) | | Head Asy-String095 | 1 |
| ્ ⊚ | 217367 | | 1 | 53 | | 218829 | .Screw-Locking | 1 |
| 7 | 216603 | Decal-Position | 1 | 54 | | | 1.Hub Assembly | 1 |
| 8 Q | 218376 215322 | Grip-Solid Rubber | Ţ | 55 | | 217625 | .Ring-Retaining | 1 |
| 9 @ | 110706 | Grip-Waffle Design Screw-Switch 8-18x,50 | 1 | 56 | | 217624 | Eyelet | 1 |
| 10 | 215320 | Contact-Switch (Stop) | ; l | 57 | | 217622 | .Spring-Compression | 1 |
| 11 | 215319 | Base-Switch (Stop) | il | 58 | <u></u> | 217619 | .Pad-Foam | 2 |
| 12 | 68845 | Button-Switch (Stop) | il | 59 | w | 217350 | Spool With 40Ft Of .080 | 1 |
| 13 | 215323 | Guide-Throttle Cable | il | - | a | 216020 | Line Socal With 2051 OF DOE | 1 |
| 14 | 216027 | Screw-Trigger Housing | i l | 1 | 9 | 216820 | .Spool With 30Ft Of .095 | - |
| 15 | 217159 | Nut-Trigger Housing | il | 60 | ഹ | 217696 | Line-40Ft (.080) | 1 |
| 16 | 215318 | Trigger-Throttle | ī | 90 | = | 216898 | .Line-40Ft (.095) | ì |
| 17 ① | 217337 | Trigger Hsg W/O Switch Hole | | 61 | 2 | 217618 | Ring-Retaining | i |
| - ŏ | 215317 | Trigger Hsq With Switch Hol | | 62 | | 217616 | Washer | ž |
| 18 | 218001 | Ring Asy-Harness | ĩ | 63 | | 217617 | .Ring-Retaining | ĩ |
| 19 | | .Bolt-Ring | î l | 64 | | 217615 | .Plate-Rear | ī |
| 20 | 218295 | Decal-Warning (For String | 1 | 65 | | 217614 | .Orive-Adaptor | ī |
| | | Trimmer Only) | 1 | | ത | 219783 | String Head With 15 Ft. Of | 1 |
| | 219030 | Decal-Warning (For String | 1 | "" | • | 223702 | .080 Line | |
| | | Trimmer/Brush Cutter Unity) | | | ② | 219784 | String Head With 12 Ft. Of | 1 |
| 21 | 217937 | Screw-10-24x1 | 1 | | • | | .095 Line | |
| 22 | 218315 | Nut | 1 | 67 | | 219765 | .Cover | 1 |
| 23 | 215874 | Screw-M4x9.5 Torx | 1 | 68 | | 219764 | .Button-Bump Feed | 1 |
| 24 | 21 76 7Z | Washer-M4 Flat | 1 | 69 | 3 | 219785 | .Spool With 15 Ft. Of | 1 |
| 25 | 218 28 3 | Spindle Asy (For Use With | 1 | | | | _080 Line | |
| _ | | String Trimmer Only) | | | ② | 21 9786 | .Spool with 12 Ft. Of | 1 |
| • | 218241 | Spindle Asy (For Use With | 1 | | _ | | .095 Line | _ |
| | | String Trimmer/Brush Cutter | ` | 70 | | 219787 | Line-15Ft (.080) | 1 |
| 20 | 120041 | Only) | ٠, ١ | | 3 | 219788 | Line-12Ft (.095) | 1 |
| 26 | 120041 | Screw-Delta Handle | 2 | 71 | | 219761 | .Spring | I |
| 27 | 217159 | (18-26 inch pounds torque) | 2 | 72 | | 219760 | .Nut_ | •1 |
| 28 | 217442 | Nut-Delta Handle M5 Clamo-Delta Handle | 1 | 73 | | 219759 | .Eyelet | 2 |
| 28 29 | 217444 | Handle-Delta | i | 74 | | 21 9 758 | .Housing | 1 |
| 30 | 217935 | Screw-"J" Handle | 2 | 75 | _ | 219757 | .Drive-Adaptor | 1 |
| JU | -1/330 | (26-35 inch pounds torque) | ٠ | 76 | ©. | 218200 | Kit-Blade Guard | 1 |
| 31 | 218315 | Nut-"J" Handle | 2 | 1 77 | 8 | 218159 | .Pin-Cotter | 1 |
| 32 | 215337 | Clamp-"J" Handle | 2 | 78 | | 218330 | .Nut-Locking | 1 |
| 33 | 217856 | "J" Handle/Grip Asy | ī | 79 | <u>Q</u> | 218075 | .Flange. | |
| 33 34 | 217856 94212 | | 1 | 80 | ⑥ | 218094 | .Collar (For Use With Blade | . I |
| 3 4 35 | 218391 | .Grip Clamp Asy-"J" Handle/ | * 1 | | 6 | 217935 | Only) .Screw-10-24x.50 Torx | 1 |
| 33 | FEGGS | Barrier Pole | 1 | 91 | ⊚ | £11.273 | (18-26 inch pounds torque) | • |
| 36 | | .Screw-M5x.8 | â | 82 | 3 | 103174 | .Washer-Lock | 3 |
| | | (26-35 inch pounds torque) | 7 | 83 | Ö | 110582 | .Washer-Flat | 3 |
| 37 | | _Clamp-Top | 1 | 84 | ര് | 218315 | .Nut | 2 |
| 38 | | .Clamp-Centerpiece | î | 85 | ŏ | 217936 | .Screw-10-24x.75 Torx | 2 |
| 39 | | .Screw-M6xl | 2 | ~~ | _ | | (18-26 inch pounds torque) | |
| | | (44-52 Inch pounds torque) | - | 86 | (| 218165 | .Clamp-Guard | 2 |
| | | | _ 1 | | × | | | 1 |
| 40 | | .Clamp-Bottom | 1 1 | 87 | (6) | 218329 | .Guard-Blade | |
| 40 41 | 218327 | .Clamp-Bottom "J" Handle/Barrier/Grip As | y 1 | 87 86 | 000 | 218329 | Blade-Metal 80 Tooth | 7 |

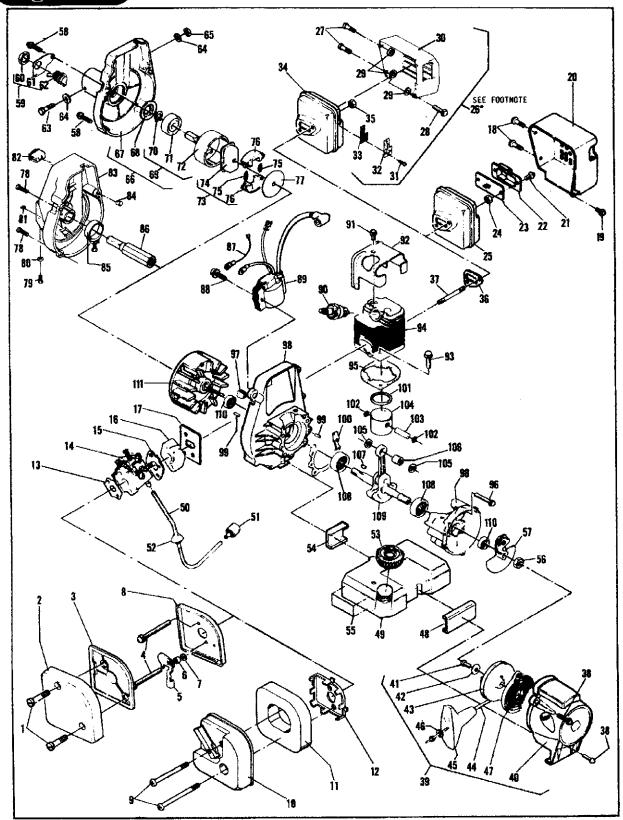
- ① Used on Super Mac 60-S and Super Eager Beaver 1-5.
- (2) Used on all models except Super Mac 60-3 and Super Eager Beaver 1-5.
- 3 44" is used on 12 Level Eager Beaver" i, Eager Beaver" i Super and Mac" 60A as well as 13 Level Super Mac" 60-S and Super Eager Beaver" I-S.
- (4) 48" Is used on 11 Level Mac" 60A, Mac" 80A and Enger Beaver" I, as well as 12 Level Mac" 80A and Enger Beaver" II. Also used on 13 Level Super Mac" 80-5, Super Enger Beaver" I Special and Super Enger Beaver" II-S.
- 3 54" is used on 11 Level Mac" 80A (extend reach), Pro Scaper" I and Eager Beaver" II as well as 12 Level Mac" 85A, Mac" 85A Special, Eager Beaver" III and Eager Beaver" III Special. Also used on 13 Level Super Mac" 85-S and Super Eager Beaver" III-S.

CAUTION

(6) May be used CMLY on units originally Manufactured by the Factory as String Trimmer/Brush Cutters.

Figure 2

ENGINE ASSEMBLY



* NOTE: (Item 25)
This Kit may also be used on units originally equipped with a Plastic Muffler Shield with one exception. No Spacer is used at the Starter Mounting Hole.

FIGURE 2 ENGINE ASSEMBLY

| | | FIGURE 2 | EN |
|-------------|------------------------------|---|------------|
| ITEM NO. | PART NUMBER | UNITS DESCRIPTION A | PER SY. |
| 1 | 217669 | Screw-Air Filter Cover | 2 |
| _ | | (6-9 inch pound torque) | . 1 |
| 2 | 21 598 8 217376 | | 1 |
| 4 | 216903 | | 2 |
| | | (18-25 inch pounds torque) | . ! |
| 5 6 | 215991 | | 1 |
| 7 | 215993 216591 | | 1 |
| ś | 216108 | Airbox/Grommet Asy | 1 |
| 9 | 219078 | | 2 |
| ٠,, | 219096 | (18-23 inch pounds torque) Cover Assembly-Choke | 1 I |
| 10 11 | 219145 | | i [|
| 12 | 219144 | Box-Air | 1 |
| 13 Œ | | Gasket-Air Box/Carburetor | 1 |
| 14 15 | Fig 3,4 218933 | Carburetor Gasket-Carb,/Insulator | i I |
| 16 | 219070 | Insulator-Carb./C'Case | 1 |
| 17 | 216575 | Gasket-Insulator/C'Case | 1 |
| 18 | 216025 | Screw-Muffler Shield M4x8 (13-15 inch pounds torque) | 2 |
| 19 * | 216022 | Screw-Muffler Shield | 1 |
| l _ | | (13-15 inch pounds torque) | . |
| 20 @ | 215025 | Shield-Muffler (Flocked) Screw-Spark Arrester Cover | 1 |
| 21 | £10053 | (12-16 inch pounds torque) | ʻl |
| 22 | 217318 | Cover-Spark Arrester Screen | 1 |
| 23 | 215516 | Screen-Spark Arrester | 2 |
| 24 | 217275 | Nut-Flange M5 (41-51 inch pounds torque) | ' |
| 25 | 215506 | Muffler Assembly | 1 |
| 26 @ | | Kit Muffler/Shield Asy | 1 |
| 27 | 219508 | .Screw-Muffler Shield (13-15 inch pounds torque) | 2 |
| 28 * | 217669 | .Screw-Shield/Starter | 1 |
| 20 | 210070 | (12-16 inch pounds torque) | 3 |
| 29 30 | 219079 218962 | .Spacer-Muffler .Shield-Muffler (Plastic) | i l |
| 31 | 219194 | .Screw-Spark Arrester Cover (12-16 inch pounds torque) | 2 |
| 32 | 219150 | (12-16 inch pounds torque) .Cover-Spark Arrester Scamen | 1 |
| 33 | 219149 | Screen-Spark Arrester | ī |
| 34 | 219152 | Muffler Assembly | 1 |
| 35 | 217275 | Nut-Muffler M5 (41-50 inch pounds torque) | 2 |
| 36 | 215515 | Gasket-Muffler | 1 |
| 37 | 215517 | Stud-Muffler/Cylinder | 2 |
| 38 | * 216022 | Screw-Starter | 2 |
| 39 (| 217388 | (13-15 inch pounds torque) Starter Assembly | 1 |
| | 219590 | Starter Assembly | 1 |
| 40 | 217309 | Housing/Guide Asy | 1 |
| 41 | 215874 | _Screw-Drum M4x9.50 (18-21 inch pounds torque) | 1 |
| 42 | 216590 | .Washer-M4 Flat | 1 |
| 43 | 216092 | .Drum/Rope Asy. | 1 |
| 44 | 216093 216792 | Rope-Starter .Handle-Starter | 1 |
| 46 | 218941 | .Washer-Nylon | 1 |
| 47 | 217482 | .Spring-Starter | 1 |
| 48 | 217382 217387 | Cushion-Starter/Fuel Tank Fuel Tank/Hose Asy. | 1 |
| Só | 217264 | .Hose-Fuel | 1 |
| 51 | 216985 | .Pickup-Fuel | 1 |
| 52 53 | 215 495 216346 | .Grommet Cap-Fuel | 1 |
| 54 | 217390 | Cushion-C'Case/Fuel Tank | ī |
| 55 | 217383 | Decal-40.1 | 1 |
| 56 | 216583 | Nut-Starter Ratchet (149-176 inch pounds torque) | _ |
| 57 | 215525 | Ratchet Asy. | 1 |
| <u></u> | | (Hand Tighten Only) | |

- (1) if this Airbox to Carburetar Gasket was not originally installed on your unit by the factory, it is not required.
- ② The Flocked Muftler Shield is no longer available. Should you need a replacement Shield, you exist order item number 25 which includes a new Muftler and Shield.
- (3) Starter Assembly #217388 Includes three Metal Sleeves (one long and two short) and is used CMEX with the Plastic

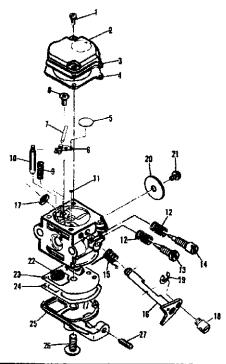
| ITEM NO. | PART NUMBER | UNITS (DESCRIPTION A | ER SY. |
|--------------------|------------------------------|---|-----------|
| 58 | 213177 | | 4 |
| 59 | 219279 | | 1 |
| 60 | 104810 | Nut-Switch | 1 1 |
| 61 | 217381 | .Plate-Switch .Switch-Toggle | ťΙ |
| 62 63 | 217648 217158 | Screw-Fan Hsg./Drive Shaft | î l |
| 64 | 216591 | Washer-Flat M5 | 2 |
| 65 | 217159 | Nut-Hex M5 | 1 |
| | | (35-43 inch pounds torque) | - 1 |
| 66 | 218057 | Housing Asy-Fan | 1 |
| 67 | 217533 | .Housing-Fan | 1 |
| 58 | 215534 218065 | .Plate-Thrust | 1 |
| 69 70 | 213186 | .Brum Asy-Clutch Ring-Retaining | i l |
| 71 | 213187 | Bearing-Ball | ī l |
| 72 | 218063 | Drum-Clutch | 1 |
| 73 | 216060 | Clutch Assembly | 1 |
| 74 | 215536 | .Rotor-Clutch | 1 |
| 75 | 215537 | .Spring-Clutch | 2 |
| 76 77 | 215520 | _Shoe-Clutch | 1 2 2 1 |
| 77 78 | 215539 219508 | Plate-Side Screw-Fan Housing | 4 |
| 79 | 215874 | Screw-Drive Shaft Locating | ì |
| : " | | (9.8-12.5 In. Lb. Torque) | 1 |
| 80 | 217672 | Washer | 1 |
| 81 | 219558 | Nut-Square | 1 |
| 82 | 218548 | Switch | 1 |
| 83 | 219595 2195 96 | Housing-Fan (W/Switch Hole) Housing-Fan (W/O Switch Hole) | |
| 84 | 219024 | .Spacer-Fan Housing | 4 |
| 85 | 219025 | .Clamp-Fan Hsg./Drive Shaft | ì |
| | | (25-30 In. Lb. Torque) | |
| 86 97 | 217477 | Coupling | 1 |
| 87 88 | 21 8649 213177 | Wire Asy-Ground Screw-Ignition | 2 |
| | | (12-16 inch pounds torque) | |
| 89 🚯 | 217439 | Ignition-Nabash | 1 |
| 90 | 52345 | Spark Plug | 1 |
| Ġ1 | 212170 | (105-130 inch pounds torque) | 1 |
| 91. | 213178 | Screw-Cylinder Cover (15-25 inch pounds torque) | * |
| 92 | 215540 | Cover-Cylinder | 1 |
| 93 | 217320 | Screw-Cylinder M6x18 | Ž |
| | | (70-80 inch pounds torque) | |
| 94 | 217296 | Cylinder | ì |
| 95 06 | 215542 | Gasket-Cylinder/C'Case Screw-C'Case Halves | 1 |
| 96 | 213179 | (35-40 inch pounds torqué) | * |
| 97 | 215541 | Grammet | ì |
| 98 🖲 | 217373 | Crankcase Asy. | 1 |
| Ō | 218185 | Crankcase Asy. | 1 |
| 99 | 213191 | Pin | 4 |
| 100 | 215545 | Gasket-Crankcase | 1 |
| 101 | 217475 216343 | Ring-Piston Ring-Snap | 2 |
| 102 🌀 | 111026 | Ring-snap Ring-snap | 2 |
| 103 🗑 | 215551 | Pin-krist | 1 |
| Ø | 218275 | Pin-Wrist | 1 |
| 104 🕞 | 217295 | Piston | i |
| 100 💆 | 218273 | Piston | 1 2 |
| 105 (6) 106 (6) | 213196 213195 | Washer Bearing-Piston Pin | 2 |
| 106 (6) | 110984 | Bearing-Piston Pin | i |
| 107 🕉 | 102164 | Kev-Flywheel | i |
| 108 🕲 | 216143 | Bearing-C'Shaft (Ball) | 2 |
| • | 213282 | Bearing-C'Shaft (Roller) | 2 |
| 109 🕲 | 216444 | Crankshaft/Con Rod Asy, | 1 |
| <u>,,,</u> | 218106 | Crankshaft/Con Rod Asy. | 1 2 |
| 110 🚱 | 216500 83859 | Seal-Crankshaft Seal-Crankshaft | 2 |
| 111 🕉 | 217378 | Flywheel Asy. | i |
| | | games mage | - |

Muffler Shield (free number 30). GREY the long steems (P/N 219964) is available from service.

- (a) To be used QMLT on units equipped with a Flocked imate!) Muffler Shield.
- 3 See Service Nates.
- 6 Used on 11 Level Models only.
- ① Used on all 12 ± 13 Level Models.
 * Location of 3 Starter Housing Fasteners

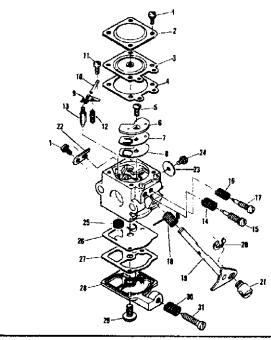
Figure

CARBURETOR ASSEMBLIES



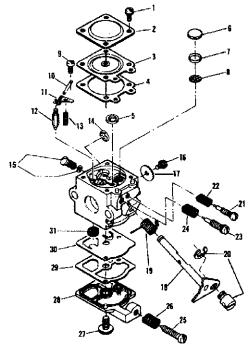
| ITEM | PART | UNITS PER | ٦ |
|-----------------------|---------------------|--|-----|
| NO. | NUMBER | DESCRIPTION ASY. | |
| | 21.5494-01(1) | CARBURETOR ASY, (ZAMA C15-M8) | |
| . 1 | | SCREW - COVER 2 | |
| | | . CAP - MAIN 1 | |
| 3 | 23 | DIAPHRAGM - MAIN 1 | 1 |
| 2 3 4 5 7 | - -@3 | . GASKET - MAIN 1 | 1 |
| 5 | @3 | . DISK 1 | ł |
| 6 | @3 | . ARM - NEEDLE VALVE 1 | 1 |
| 7 | | PIN -ARM | 1 |
| 8 | | . SCREW - PIN 1 | i |
| 9 | | SPRING - ARM 1 | |
| 10 | | VALVE - NEEDLE 1 | |
| 11 | 2ୁ ଓ | . PLUG -WELCH 1 | |
| 12 13 | - - <u>@</u> | . SPRING - NEEDLE 2 | |
| | ③ | . NEEDLE - HIGH SPEED 1 | |
| 14 | ② | . NEEDLE - IDLE 1 | |
| 15 16 | | . SPRING - THROTTLE RETURN 1 | - 1 |
| 17 | | . SHAFT ASSEMBLY - THROTTLE 1 . "E" RING 1 | |
| 18 | @ @ @ | . POST | |
| 19 | 8 | - "E" RING 1 | |
| 20 | | . VALVE - THROTTLE 1 | |
| 21 | | . SCREW - THROTTLE VALVE 1 | |
| 22 | (2)(3) | . STRAINER | |
| 23 | <i></i> 23 | | |
| 24 | <u>@</u> | | |
| 25 | | . COVER - FUEL PUMP 1 | |
| 26 | ②③ | . SCREW - PUMP COVER 1 | 1 |
| 27 | | . SCREW - IDLE ADJUSTING 1 | 1 |
| | | | 1 |
| | | | |

- ① One of two (2) Carburetors used alternately on String Trimmers only. Identify Model Carburetor used before ordering repair kits.
- ② Contained in Major Repair Kit, P/N 218071.
- ③ Contained in Minor Repair Kit, P/N 218073.



| , | | | |
|----------------------------|-----------------|------------------------------|-------------|
| ITEM | PART | | S PER |
| NO. | NUMBER | DESCRIPTION | ASY. |
| 1 | 215494 ① | CARBURETOR (WA-146) | 1 : |
| 1 1 | | . SCREW - COVER | 3 |
| 2 | | . COVER - DIAPHRAGM | 1 |
| 2 3 4 5 6 7 | @(| D. DIAPHRAGM - METERING | 3 |
| 4 | <u>@</u> (| D. GASKET - DIAPHRAGM | 1 |
| 5 | ② | . SCREW - CIRCUIT PLATE | 1 |
| 6 | ⁻ | . PLATE - CIRCUIT | 1 |
| 7 | @(| D. DIAPHRAGM - CIRCUIT PLATE | 1 |
| 8 | - - (2)(| D. GASKET - CIRCUIT PLATE | 1 |
| 9 | <u>(</u> | . LEVER - METERING | 7 |
| 10 | - (Ž)(| D. PIN - LEVER | 1 |
| 11 | (<u>2</u>)(| D. SCREW - LEVER PIN | 1 |
| 12 | (X | 3). SPRING - LEVER | 1 |
| 13 | (Ž)(| | 1 |
| 14 | ® | SPRING - HIGH SPEED NEEDLE | . 1 |
| 15 | (2) | . NEEDLE - HIGH SPEED | 1 |
| 16 | @ @ | . SPRING - IDLE NEEDLE | 1 |
| 17 | <u>@</u> | NEEDLE - IDLE | i |
| 18 | Õ | . SPRING - THROTTLE RETURN | 1 |
| 19 | ~ | . SHAFT - THROTTLE | 3 |
| 20 | | . CLIP | 1 |
| 23 | | . SWIVEL | i i |
| 22 | | . CLIP - THROTTLE SHAFT | 1 |
| 23 | | . VALVE - THROTTLE | ì |
| 24 | (2) | * 10TLT :: 10TT :: 1 | i |
| 25 | ത് | D. SCREEN - INLET | i |
| 26 | Ž | | 1 |
| 27 | (2)(| 3), GASKET - FUEL PUMP | 1 |
| 28 | ` | . COVER - FUEL PUMP | 1 |
| 29 | | . SCREW - PUMP COVER | 1 1 1 |
| 30 | | . SPRING - IDLE SCREW | 1 |
| 31 | | . SCREW - IDLE ADJUSTING | 1 |
| | | | |

- (1) One of two (2) Carburetors used alternately on String Trimmers only. Identify Model Carburetor used before ordering repair kits.
- ② Contained in Major Repair Kit, P/N 217111.
- 3 Contained in Minor Repair Kit, P/N 217110.



- ① Used ONLY on String Trimmer/Brush Cutters.
- ② Contained in Repair Kit, P/N 218981.
- 3 Contained in Gasket/Diaphragm Kit, P/N 218982.

| ITEM NO. | PART Number | DESCRIPTION AS | PER SY. |
|--------------------------------------|----------------------|--|-----------------------|
| 1 2 3 4 5 6 7 8 | 218169 ① ② ③ ③ ③ ② ② | Carburetor - Walbro WT-37 . Screw - Metering Cover . Cover - Metering Diaphragm . Diaphragm - Ass'y Metering . Gasket - Metering Diaphragm . Plug - Welch . Plug - Welch | 4 1 1 1 1 1 1 1 1 1 1 |
| 9 10 11 | | Ring - Screen Retainer Screen - Check Valve Screw - Metering Lever Pin Pin - Metering Lever Lever - Metering | 1 1 1 |
| 12 13 14 15 16 | 0 0 0 0 | . Valve - Inlet Needle . Spring - Metering Lever . Ring - Throttle Shaft . Governor - Check Valve . Screw - Shutters | 1 1 1 1 2 |
| 17 18 19 20 | ② | . Shutter - Throttle . Shaft - Assembly Throttle . Spring - Throttle Return . Swivel Assembly . Needle - Idle | 1 1 1 1 1 |
| 21 22 23 24 25 | @ @ @ | . Spring - Needle Idle . Spring - High . Spring - Needle (high) . Spring - Idle Adjust | 1 |
| 26 27 28 29 30 31 | (3) (8) | . Spring - Idle Screw . Screw - Pump Cover . Cover - Fuel Pump . Gasket - Fuel Pump . Diaphragm - Fuel Pump . Screen - Fuel Inlet |] |

LUBRICANTS

PART NUMBER

| Case 6-Ounce Cans | | . 93770 |
|-------------------|-----|---------|
| Case 16-Ounce Can | s | . 85707 |
| Case 1 Quart Bott | les | . 85709 |

SERVICE NOTE:

Only the WABASH ignition is currently available as service replacement.

TWO KEYWAY FLYMHEEL

| ignition iden | fification | | w at the s |
|----------------|------------|---------|-----------------------------------|
| TYPE | COLOR KE | EYWAY | XIII |
| HABASH | Orange | w | |
| *SEMS (AM 31) | 3Jack | S | $ \{ \{ \{ \} \} \} \} \{ \} $ |
| *SEHS (AM 32) | Black | ¥ | |
| *ignition type | - | on face | |
| USION (ANI)NA | nion com. | | |

WABASH and SEMS (AM 32) Ignition systems are Interchangeable and each Ignition uses the ident-

When replacing SEMS (AM 31) with WABASH ignition, the flywheel MUST be removed and turned using the keyway with the latter W (WABASH).

SINGLE KEYNAY FLYWIEEL

MAGNET. Ignition identification COLOR KEYWAY TYPE WABASH Orange *SEMS (AM 32) Black *ignition type stemped on face below lamination coli.

NOTE:

WABASH and SEMS (AM 32) ignition systems are Interchangeable and each ignition uses the identical keyway.

Figure 5 SPECIFICATIONS

| ENGINE TYPE | Air-cooled, two-cycle, single cylinder |
|--------------------------------|--|
| BORE | 1.268 inches (32.21mm) |
| STROKE | |
| DISPLACEMENT | |
| SPARK PLUG GAP | |
| GASOLINE | Regular Grade leaded or unleaded |
| OIL RECOMMENDED | McCulloch Custom Lubricant |
| GASOLINE/OIL RATIO | 40:1 Using McCulloch Custom Lubricant |
| | 20:1 Using SAE 40 Two-Cycle 0il |
| FUEL CAPACITY | 16.9 Fl. oz. |
| RUNNING TIME | 35 to 45 minutes |
| IGNITION | |
| LAMINATION TO FLYWHEEL AIR GAP | |

Figure 6 ACCESSORIES & REPLACEMENT PARTS

| STRING TRIMMER AND BRUSH CUTTER ACCESSORIES* LIST | PART NUMBER | | | | | | | |
|--|-------------|-----|----------|---|-----|----------|----------|----------|
| | PART NUMBER | 8/2 | 8. | | 5 X | \$ 13 | | |
| Semi-Auto Head .080 | 219783 | • | | | • | | | |
| 15' Line .080 | 219787 | • | <u> </u> | | | <u> </u> | <u> </u> | |
| 15' Line on Spool .080 | 219785 | • | <u> </u> | | • | <u> </u> | 1 | |
| 1-Lb. Bulk Line .080 | 217351-01 | • | | l | • | <u> </u> | <u> </u> | <u> </u> |
| 5-Lb. Bulk Line .080 | 217352-01 | • | | | • | | | |
| Semi-Auto Head .095 | 219784 | | • | • | | • | • | • |
| 12' Line ,095 | 219788 | | • | • | | • | • | |
| 12' Line on Spool .095 | 219786 | | • | • | | • | • | • |
| 1-Lb. Bulk Line .095 | 216899-01 | | | • | | • | • | • |
| 5-Lb. Bulk Line .095 | 216900-01 | | • | • | Ι | | | |
| Spark Arrester Screen | 219149 | • | • | • | • | • | | |
| Air Filter | 219145 | • | • | • | • | • | • | • |
| Harness Kit | 218201 | • | • | • | • | • | • | • |
| Debris Shield Kit | 217869 | • | • | • | • | • | • | • |
| 4-Tooth Weed/Grass Blade | 218213 | | | • | | | | |
| 3-Point Plastic Grass Blade | 218212 | | | | | | • | |
| 3-Point Plastic Blade/Guard Kit | 218211 | | | | | | • | |
| Blade Guard Kit | 218200 | | | • | | | • | |
| 8-Tooth Weed/Grass Blade | 216513 | | | • | | | • | Τ |
| 80-Tooth Metal Brush Blade | 216514 | | | • | | | • | |

FOR SERVICE-RELATED PROBLEMS, REPAIR OR MAINTENANCE TAKE YOUR UNIT TO THE NEAREST AUTHORIZED McCULLOCH SERVICING DEALER LISTED UNDER SAWS IN YOUR TELEPHONE DIRECTORY YELLOW PAGES.

If additional abeliance is required, cell this toll-free hot-fine: (800) 423-6303 Arizone residentir cell collect (902) 463-5681