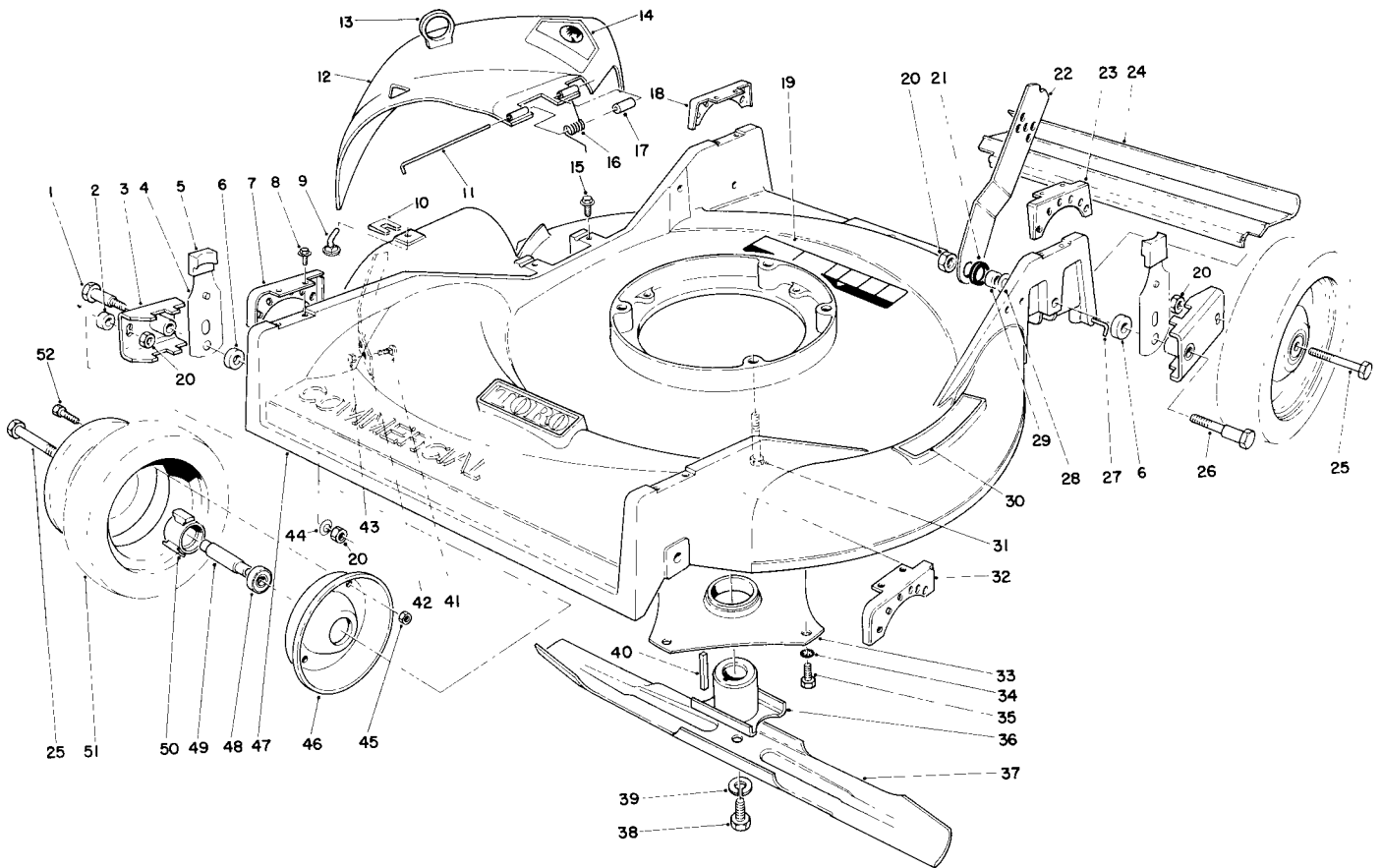
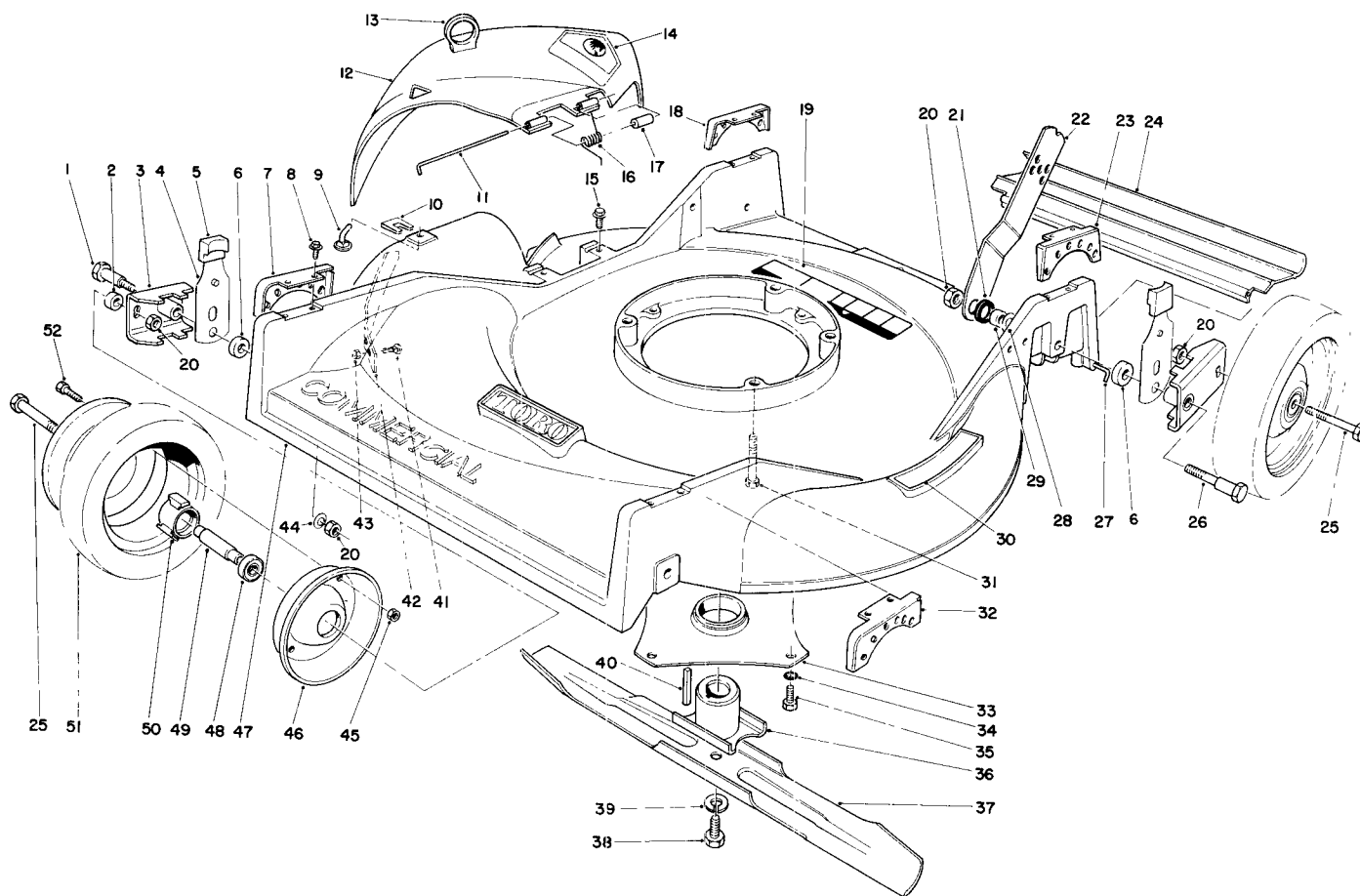


**TORO**<sup>®</sup>1989  
MODEL NO. 22025-9000001 & up**PARTS  
CATALOG****21" COMMERCIAL SIDE DISCHARGE H.P. 2-CYCLE****HOUSING ASSEMBLY**

T-0661-89

| Ref. No. | Part No. | Description                | No. Used |
|----------|----------|----------------------------|----------|
| 1        | 49-9180  | Screw — Pivot              | 2        |
| 2        | 52-2480  | Spacer — Wheel             | 4        |
| 3        | 49-9160  | Pivot Arm Assembly         | 4        |
| 4        | 49-8800  | Spring Arm Assembly        | 4        |
| 5        | 25-7740  | Knob — Arm                 | 4        |
| 6        | 53-7930  | Spacer — Pivot Arm         | 4        |
| 7        | 52-2510  | Quadrant — Front R.H.      | 1        |
| 8        | 49-2040  | Screw — Thread Forming     | 8        |
| 9        | 28-3260  | Pin — Chute                | 1        |
| 10       | 28-3250  | Clip — Pin                 | 1        |
| 11       | 52-2570  | Pin — Deflector Hinge      | 1        |
| 12       | 12-4739  | Deflector (Incl. Ref. #14) | 1        |
| 13       | 28-1430  | Loop — Lift                | 1        |
| 14       | 39-5770  | Decal — Danger             | 1        |

| Ref. No. | Part No. | Description                 | No. Used |
|----------|----------|-----------------------------|----------|
| 15       | 46-6811  | Screw/Washer Assembly       | 2        |
| 16       | 52-2560  | Spring — Deflector          | 1        |
| 17       | 28-3270  | Sleeve — Spring             | 1        |
| 18       | 52-2530  | Quadrant — Rear R.H.        | 1        |
| 19       | 71-1280  | Decal — Safety Instructions | 1        |
| 20       | 3296-39  | Nut — Lock                  | 8        |
| 21       | 27-6510  | Spacer — Handle Latch       | 2        |
| 22       | 27-7071  | Latch — Handle              | 2        |
| 23       | 52-2540  | Quadrant — Rear L.H.        | 1        |
| 24       | 52-2640  | Shield — Rear Safety        | 1        |
| 25       | 323-12   | Screw — Cap Hex Hd.         | 7        |
| 26       | 52-2260  | Screw — Pivot Rear          | 2        |
| 27       | 33-3201  | Rod — Shield                | 1        |
| 28       | 3290-340 | Washer — Belleville         | 2        |



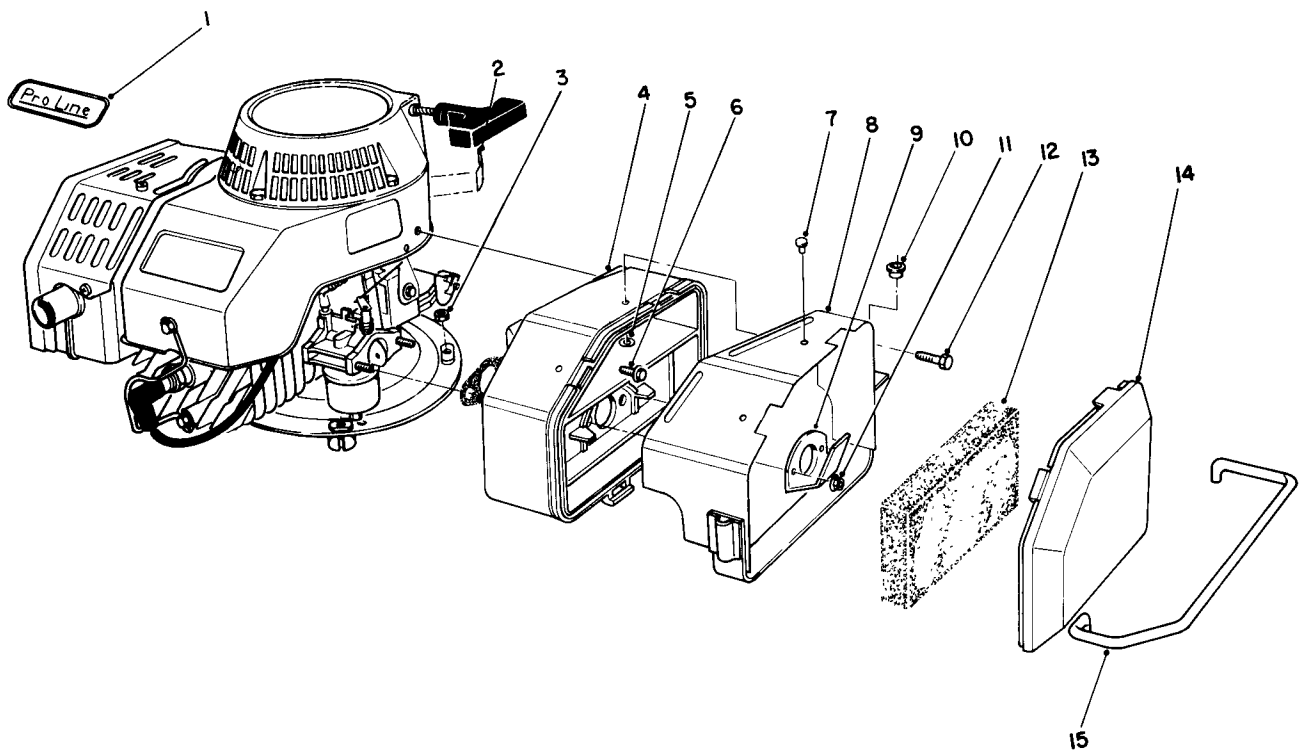
## HOUSING ASSEMBLY (Continued)

T-0661-89

| Ref. No. | Part No. | Description                  | No. Used |
|----------|----------|------------------------------|----------|
| 29       | 52-2360  | Spacer — Handle Brace        | 2        |
| 30       | 46-7370  | Decal — Step Pad             | 1        |
| 31       | 323-11   | Screw — Cap Hex Hd.          | 1        |
| 32       | 52-2520  | Quadrant — Front L.H.        | 1        |
| 33       | 52-2500  | Crankshaft Protector         | 1        |
| 34       | 3254-6   | Washer — Lock Internal Tooth | 4        |
| 35       | 32144-70 | Screw — Thread Forming       | 4        |
| 36       | 52-2170  | Blade Retainer               | 1        |
| 37       | 8-5230   | Blade — 21"                  | 1        |
| 38       | 26-0671  | Screw — Blade                | 1        |
| 39       | 3253-22  | Washer — Lock                | 1        |
| 40       | 27-8590  | Key — Square                 | 1        |
| 41       | 3230-16  | Carriage Bolt                | 2        |

| Ref. No. | Part No. | Description                                           | No. Used |
|----------|----------|-------------------------------------------------------|----------|
| 42       | 52-2650  | Bar — Safety                                          | 1        |
| 43       | 3296-29  | Locknut                                               | 2        |
| 44       | 3290-455 | Washer — Belleville                                   | 2        |
| 45       | 3296-56  | Nut — Lock                                            | 16       |
| 46       | 53-7780  | Plate — Wheel Half                                    | 8        |
| 47       | 12-4729  | Housing (Incl. Ref. #19 & 30)                         | 1        |
| 48       | 52-2450  | Bearing — Wheel                                       | 8        |
| 49       | 52-2440  | Spacer — Bearing                                      | 4        |
| 50       | 52-2410  | Hub — Bearing Support                                 | 4        |
| 51       | 53-7740  | Tire                                                  | 4        |
| 52       | 3234-26  | Screw — Cap Hex Hd.                                   | 16       |
| *        | 53-7720  | Wheel & Tire Assembly<br>(Incl. Ref. #45, 46 & 48-52) | 4        |

\*Not Illustrated



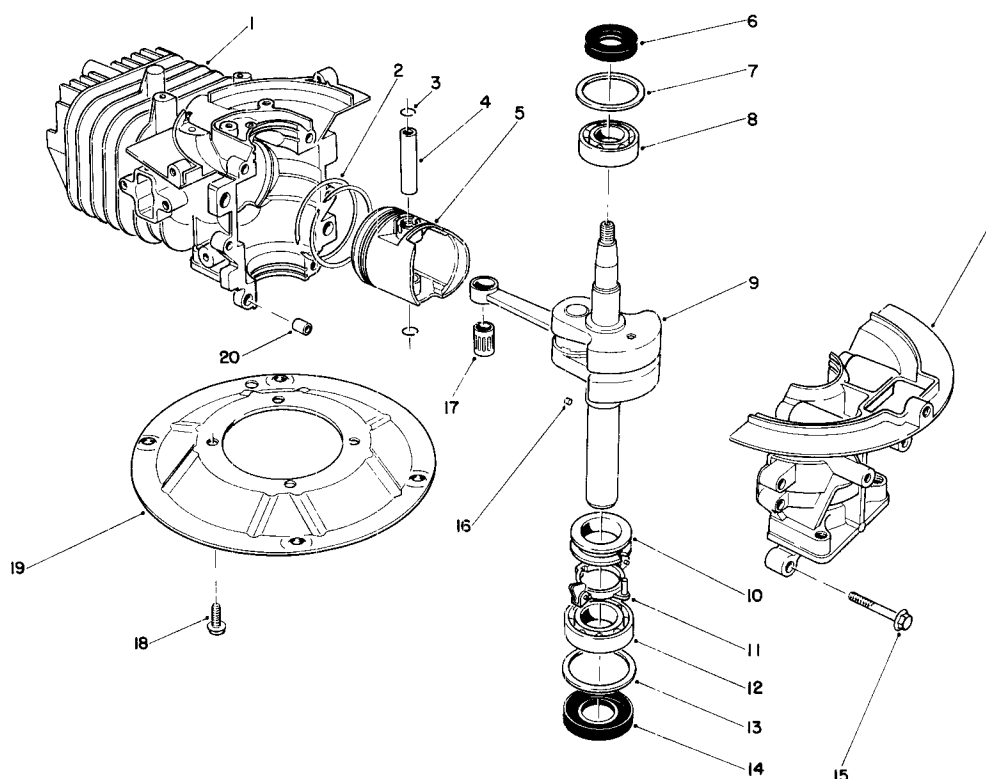
## ENGINE ASSEMBLY

T-0662-89

| Ref. No. | Part No. | Description                                    | No. Used |
|----------|----------|------------------------------------------------|----------|
| 1        | 71-1260  | Decal — Pro Line                               | 1        |
| 2        | 62-7600  | Decal — Fuel Mix                               | 1        |
| 3        | 3218-3   | Nut — Hex Jam                                  | 3        |
| 4        | 52-2200  | Air Cleaner Assembly<br>(Incl. Ref. #5, 7 & 8) | 1        |
| 5        | 3269-6   | Washer                                         | 2        |
| 6        | 51-3220  | Capscrew — Hex Flange                          | 1        |
| 7        | 3269-5   | Rivet                                          | 2        |
| 8        | 52-2250  | Air Cleaner Band                               | 1        |

| Ref. No. | Part No. | Description           | No. Used |
|----------|----------|-----------------------|----------|
| 9        | 81-0140  | Deflector — Spitback  | 1        |
| 10       | 237-127  | Snap Bushing          | 1        |
| 11       | 49-7810  | Locknut — Hex Flange  | 2        |
| 12       | 81-1280  | Capscrew — Hex Flange | 1        |
| 13       | 81-0100  | Filter — Foam         | 1        |
| 14       | 81-0120  | Cover — Air Cleaner   | 1        |
| 15       | 52-2240  | Guard — Air Cleaner   | 1        |
| *        | 61-8061  | Complete Engine       | 1        |

\*Not Illustrated



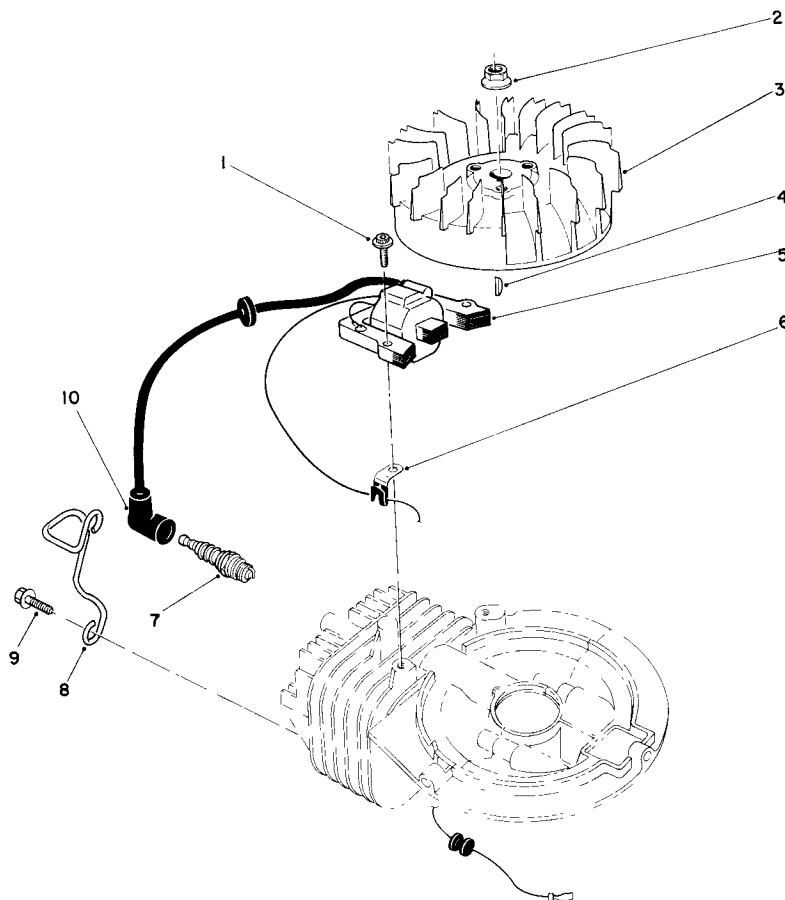
## ENGINE ASSEMBLY MODEL NO. 47PJ8

T-0663-89

| Ref. No. | Part No. | Description                        | No. Used |
|----------|----------|------------------------------------|----------|
| 1        | 81-2800  | Crankcase/Cylinder Assy.           | 1        |
| 2        | 81-0590  | Ring Set                           | 1        |
| 3        | 81-0620  | Circlip                            | 2        |
| 4        | 81-0600  | Wrist Pin                          | 1        |
| 5        | 81-2140  | Piston - 58 mm                     | 1        |
| 6        | 81-0720  | Oil Seal - Upper                   | 1        |
| 7        | 81-0710  | Thrust Washer - Upper              | 1        |
| 8        | 81-0690  | Bearing - Upper 20 mm              | 1        |
| 9        | 81-4680  | Crankshaft/Connecting Rod Assembly | 1        |
| 10       | 81-0770  | Collar - Governor                  | 1        |

| Ref. No. | Part No. | Description            | No. Used |
|----------|----------|------------------------|----------|
| 11       | 81-0750  | Bracket - Governor Arm | 1        |
| 12       | 81-0700  | Bearing - Lower 25 mm  | 1        |
| 13       | 81-0730  | Thrust Washer - Lower  | 1        |
| 14       | 81-0740  | Oil Seal - Lower       | 1        |
| 15       | 81-0540  | Bolt (30 mm Lg.)       | 5        |
| 16       | 81-0760  | Pin                    | 1        |
| 17       | 81-0610  | Bearing - Wrist Pin    | 1        |
| 18       | 81-0570  | Bolt                   | 4        |
| 19       | 81-0560  | Plate - Mounting       | 1        |
| 20       | 81-0520  | Pin - Crankcase Dowel  | 2        |
| *        | 12-5529  | Short Block            | 1        |

\* Not Illustrated

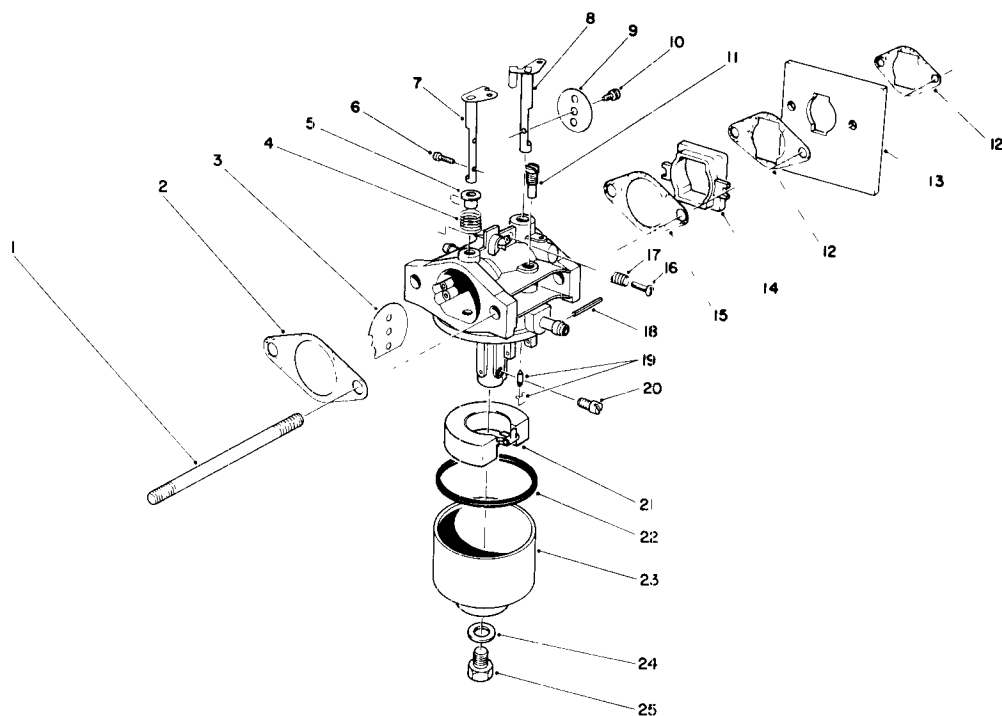


## ENGINE ASSEMBLY MODEL NO. 47PJ8

T-0664-89

| Ref. No. | Part No. | Description            | No. Used | Ref. No. | Part No. | Description                        | No. Used |
|----------|----------|------------------------|----------|----------|----------|------------------------------------|----------|
| 1        | 81-5680  | Capscrew — Allenhead   | 2        | 7        | 81-0181  | Spark Plug                         | 1        |
| 2        | 81-1330  | Nut                    | 1        | 8        | 81-2120  | Guard — Spark Plug                 | 1        |
| 3        | 81-2810  | Flywheel — Magneto     | 1        | 9        | 81-2350  | Bolt — Self Tapping<br>(20 mm Lg.) | 2        |
| 4        | 81-2370  | Key — Flywheel         | 1        | 10       | 81-1500  | Cap Assembly — Spark Plug          | 1        |
| 5        | 81-2820  | Coil/Ignition Assembly | 1        | *        | 41-7650  | Puller — Flywheel                  | 1        |
| 6        | 81-1480  | Clamp                  | 1        |          |          |                                    |          |

\*Not Illustrated



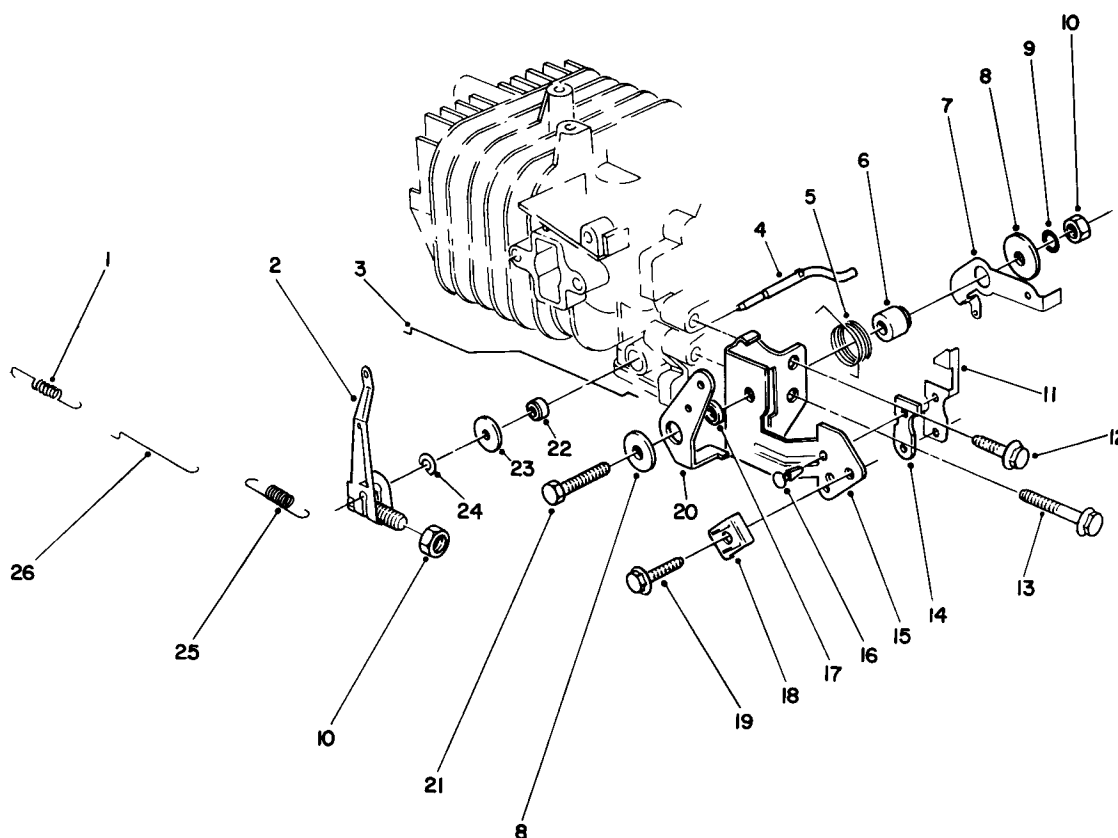
## ENGINE ASSEMBLY MODEL NO. 47PJ8

T-0665-89

| Ref. No. | Part No. | Description            | No. Used |
|----------|----------|------------------------|----------|
| 1        | 81-2240  | Stud Bolt — Carburetor | 2        |
| 2        | 81-0090  | Gasket                 | 1        |
| 3        | 81-4950  | Valve — Choke          | 1        |
| 4        | 81-0230  | Spring — Choke         | 1        |
| 5        | 81-0220  | Bushing — Choke        | 1        |
| 6        | 81-2160  | Screw — Choke Plate    | 2        |
| 7        | 81-1950  | Shaft — Choke          | 1        |
| 8        | 81-0250  | Shaft — Throttle       | 1        |
| 9        | 81-0260  | Valve — Throttle       | 1        |
| 10       | 81-0270  | Screw — Throttle       | 1        |
| 11       | 81-1030  | Jet — Pilot (#40)      | 1        |
| 12       | 81-2320  | Gasket — Shield        | 2        |
| 13       | 81-2330  | Shield — Carburetor    | 1        |
| 14       | 81-2190  | Insulator — Carburetor | 1        |
| 15       | 81-0780  | Gasket — Carburetor    | 1        |

| Ref. No. | Part No. | Description                                             | No. Used |
|----------|----------|---------------------------------------------------------|----------|
| 16       | 50-0250  | Screw — Idle Stop                                       | 1        |
| 17       | 81-2580  | Spring — Idle Stop                                      | 1        |
| 18       | 81-5600  | Pin — Float                                             | 1        |
| 19       | 81-4910  | Needle Valve — Float                                    | 1        |
| 20       | 81-1940  | Jet — Main (#76.3)                                      | 1        |
| *        | 81-2340  | Jet — Main (#72.5) High Alt. Above 6,000 Ft. (Optional) | A/R      |
| 21       | 81-0970  | Float                                                   | 1        |
| 22       | 81-1010  | Gasket — Float Bowl                                     | 1        |
| 23       | 81-5660  | Bowl — Float                                            | 1        |
| 24       | 81-5720  | Gasket — Bowl Capscrew                                  | 1        |
| 25       | 81-5670  | Capscrew — Bowl                                         | 1        |
| *        | 12-6379  | Carburetor Kit (Incl. Ref. #2, 15, 19, 22 & 24)         | 1        |
| *        | 81-5750  | Carburetor Assy. Complete                               | 1        |

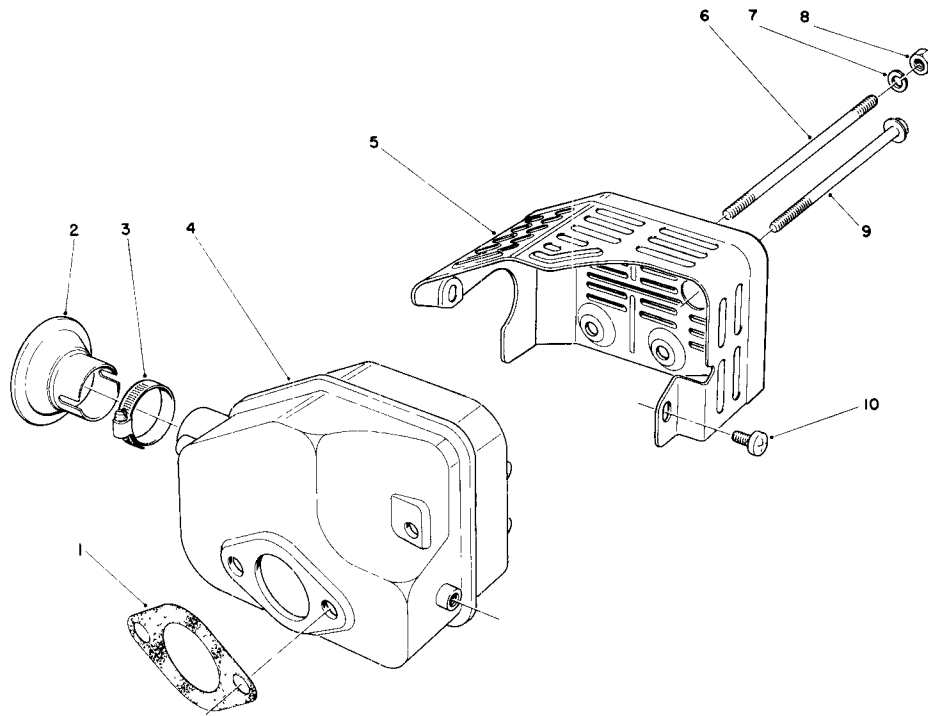
\*Not Illustrated



## ENGINE ASSEMBLY MODEL NO. 47PJ8 (Continued)

T-0666-89

| Ref. No. | Part No. | Description                     | No. Used |
|----------|----------|---------------------------------|----------|
| 1        | 81-0920  | Spring — Carburetor Rod         | 1        |
| 2        | 81-2840  | Throttle Control Lever Assy.    | 1        |
| 3        | 81-1720  | Rod — Choke                     | 1        |
| 4        | 81-0840  | Shaft — Governor                | 1        |
| 5        | 81-2460  | Spring — Choke Control Lever    | 1        |
| 6        | 81-1770  | Spacer — Governor Spring Lever  | 1        |
| 7        | 81-2850  | Lever — Governor Spring         | 1        |
| 8        | 81-1750  | Washer — Governor Control Lever | 2        |
| 9        | 81-1450  | Washer — Lock                   | 1        |
| 10       | 81-0900  | Nut                             | 2        |
| 11       | 81-1840  | Terminal — Kill Switch          | 1        |
| 12       | 81-1170  | Bolt — Self Tapping (15 mm Lg.) | 1        |
| 13       | 81-0540  | Bolt                            | 1        |
| 14       | 81-1830  | Insulator — Kill Switch         | 1        |
| 15       | 81-2420  | Bracket — Throttle Control      | 1        |
| 16       | 81-1850  | Rivet — Kill Switch             | 2        |
| 17       | 81-2470  | Spacer — Choke Control Lever    | 1        |
| 18       | 81-2430  | Clamp — Cable                   | 1        |
| 19       | 50-0130  | Bolt — Cable Clamp              | 1        |
| 20       | 81-1710  | Lever — Choke Control           | 1        |
| 21       | 81-1730  | Bolt — Throttle Control Bracket | 1        |
| 22       | 81-0850  | Oil Seal — Governor Shaft       | 1        |
| 23       | 81-0860  | Washer                          | 1        |
| 24       | 81-0870  | E-Ring                          | 1        |
| 25       | 81-2830  | Spring — Governor               | 1        |
| 26       | 81-0910  | Rod — Carburetor                | 1        |



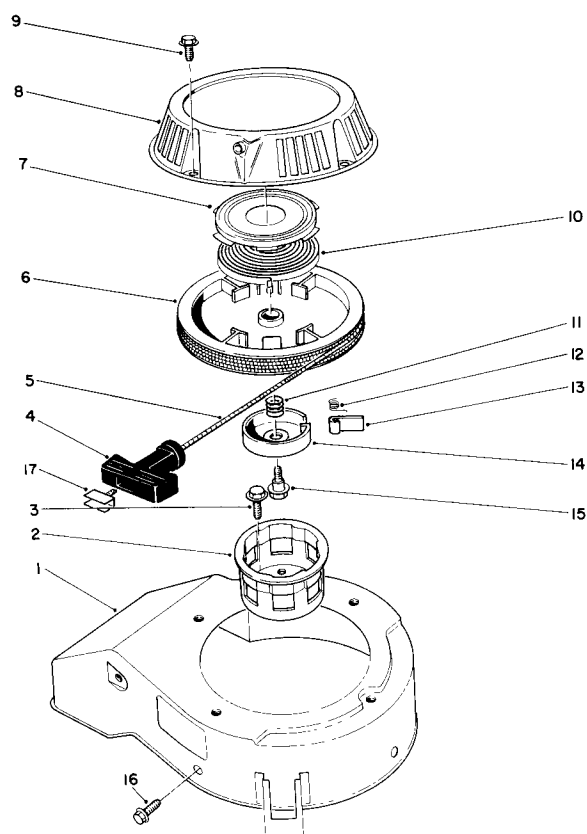
## ENGINE ASSEMBLY MODEL NO. 47PJ8

T-0667-89

| Ref. No. | Part No. | Description               | No. Used |
|----------|----------|---------------------------|----------|
| 1        | 81-1080  | Gasket — Muffler          | 1        |
| 2        | 81-0200  | Spark Arrester (Optional) | 1        |
| 3†       |          | Clamp                     | 1        |
| 4        | 81-5690  | Muffler                   | 1        |
| 5        | 81-2450  | Cover — Muffler           | 1        |

| Ref. No. | Part No. | Description          | No. Used |
|----------|----------|----------------------|----------|
| 6        | 81-1100  | Stud — Muffler       | 2        |
| 7        | 81-1120  | Lockwasher           | 2        |
| 8        | 81-1110  | Nut                  | 2        |
| 9        | 81-1150  | Bolt — Self Tapping  | 1        |
| 10       | 81-1140  | Screw — Phillips Hd. | 2        |

†Obtain Locally



## ENGINE ASSEMBLY MODEL NO. 47PJ8

T-0668-89

| Ref. No. | Part No. | Description              | No. Used |
|----------|----------|--------------------------|----------|
| 1        | 81-2080  | Cover — Cooling Fan      | 1        |
| 2        | 81-2170  | Pulley — Starter Cup     | 1        |
| 3        | 81-1300  | Bolt 16 mm Lg.           | 3        |
| 4        | 81-1630  | Handle — Recoil          | 1        |
| 5        | 81-1270  | Rope                     | 1        |
| 6        | 81-1210  | Pulley — Rope            | 1        |
| 7        | 81-1640  | Retainer — Recoil Spring | 1        |
| 8        | 81-2100  | Case — Starter           | 1        |
| 9        | 81-1280  | Bolt                     | 4        |
| 10       | 81-1200  | Spring — Recoil          | 1        |
| 11       | 81-1240  | Spring — Compression     | 1        |

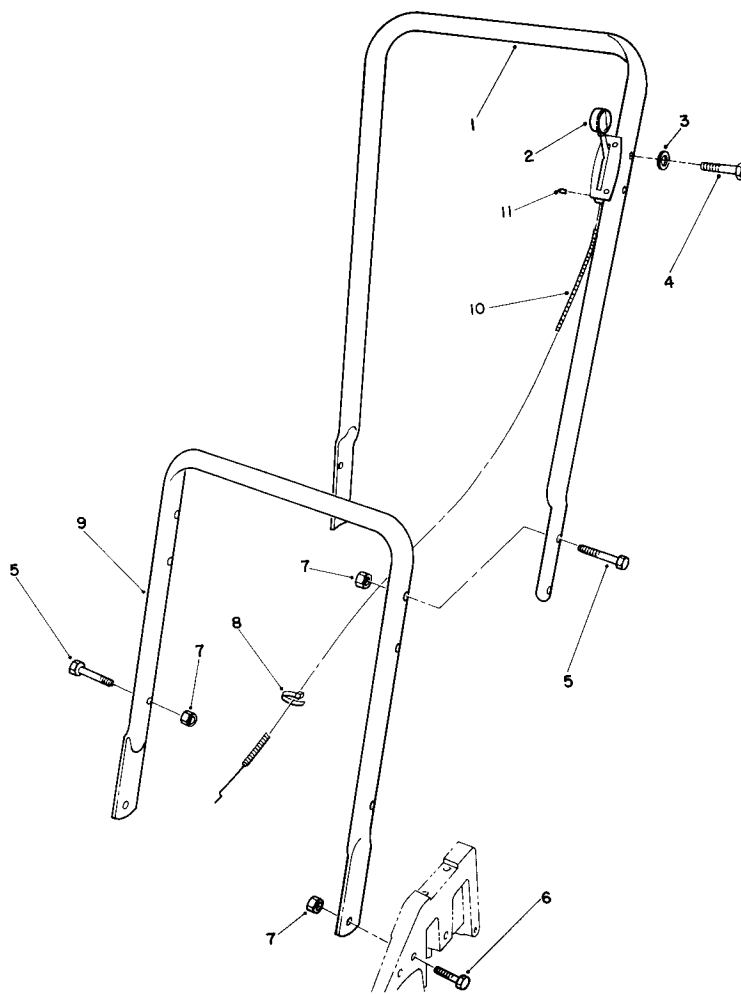
| Ref. No. | Part No. | Description                                        | No. Used |
|----------|----------|----------------------------------------------------|----------|
| 12       | 81-1220  | Spring — Dog                                       | 1        |
| 13       | 81-1230  | Dog — Starter                                      | 1        |
| 14       | 81-1250  | Retainer — Dog                                     | 1        |
| 15       | 81-1260  | Bolt Shoulder                                      | 1        |
| 16       | 81-1170  | Bolt — Self Tapping<br>(15 mm Lg.)                 | 3        |
| 17       | 81-5760  | Insert - Recoil Handle                             | 1        |
| *        | 81-2030  | Starter Assembly<br>(Incl. Ref #4-15)              | 1        |
| *        | 81-2300  | Spring & Retainer Assembly<br>(Incl. Ref. #7 & 10) | 1        |

\*Not Illustrated



| Ref. No. | Part No. | Description                | No. Used |
|----------|----------|----------------------------|----------|
| 1        | 3274-62  | Capscrew — Hex Socket      | 2        |
| 2        | 39-0570  | Strap — Tank Mounting      | 2        |
| 3        | 3217-5   | Hex Nut                    | 2        |
| 4        | 52-2290  | Pad — Isolator             | 2        |
| 5        | 55-4700  | Cap — Gas                  | 1        |
| 7        | 52-2331  | Tank — Gas (Incl. Ref. #5) | 1        |
| 8        | 304-71   | Valve — Fuel Shutoff       | 1        |
| 9        | 2412-95  | Clamp — Fuel Line          | 4        |

10

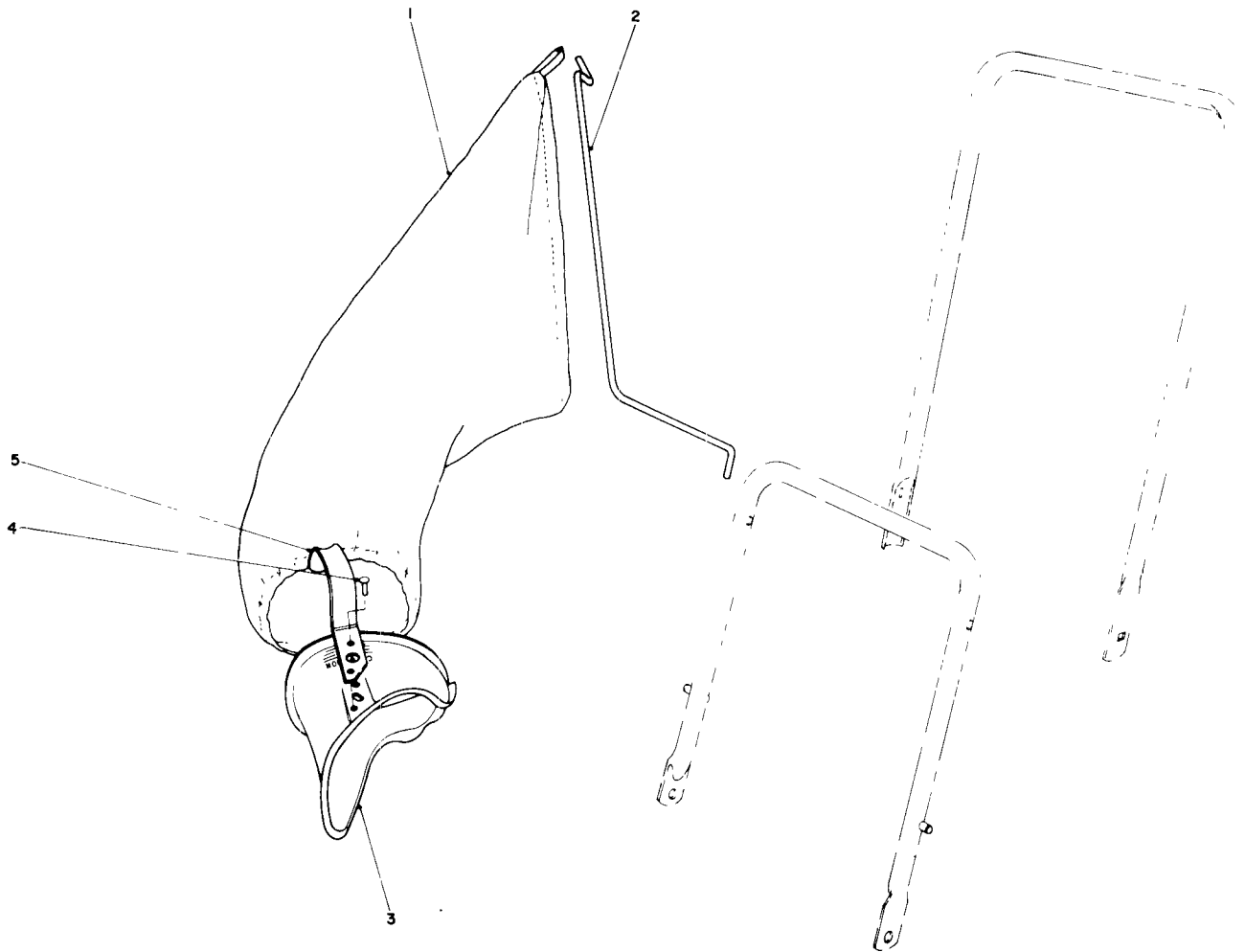


## HANDLE ASSEMBLY

T-0670-89

| Ref. No. | Part No. | Description         | No. Used |
|----------|----------|---------------------|----------|
| 1        | 65-5970  | Handle — Upper      | 1        |
| 2        | 70-1050  | Bracket Throttle    | 1        |
| 3        | 3-7501   | Washer — Curved     | 2        |
| 4        | 321-13   | Screw — Cap Hex Hd. | 2        |
| 5        | 322-7    | Screw — Cap Hex Hd. | 6        |
| 6        | 322-6    | Screw — Cap Hex Hd. | 2        |

| Ref. No. | Part No. | Description    | No. Used |
|----------|----------|----------------|----------|
| 7        | 3296-29  | Nut — Lock     | 8        |
| 8        | 3290-378 | Cable Tie      | 1        |
| 9        | 52-2370  | Handle — Lower | 1        |
| 10       | 70-1060  | Cable Throttle | 1        |
| 11       | 32151-86 | Clip-Throttle  | 1        |



## GRASS BAGGING KIT NO. 38-0050 (Optional)

T-0671-89

| Ref. No. | Part No. | Description                               | No. Used |
|----------|----------|-------------------------------------------|----------|
| 1        | 6-0929   | Grass Bag                                 | 1        |
| 2        | 19-4210  | Bag Rod                                   | 1        |
| 3        | 38-0010  | Grass Chute Assembly<br>(Incl. Ref. #4-5) | 1        |

| Ref. No. | Part No. | Description          | No. Used |
|----------|----------|----------------------|----------|
| 4        | 3295-26  | Rivet — Semi Tubular | 2        |
| 5        | 38-0030  | Handle Bag Chute     | 1        |