

150W Chain Saw UT-10513-A  
Accessories And Tools

Page 1 of 15

## ACCESSORIES

|                               |           |
|-------------------------------|-----------|
| GREASE                        | 17193     |
| KIT- Spike bumper             | A-68655   |
| Includes:                     |           |
| SCREW (2)                     | 80648     |
| NUT (2)                       | 81206     |
| REEL- 250 Ft. starter rope #4 | 68848     |
| TUBING- Rubber 10 ft.         | 70309-99  |
| TUBING- Rubber 10 ft.         | 94772-99  |
| TUBING- Rubber 10 ft.         | 93112-99  |
| PAINT- Red- 12oz.             | 23475     |
| CASE- Carrying                | 94216     |
| DECALS- Set of four           | A-69048-A |

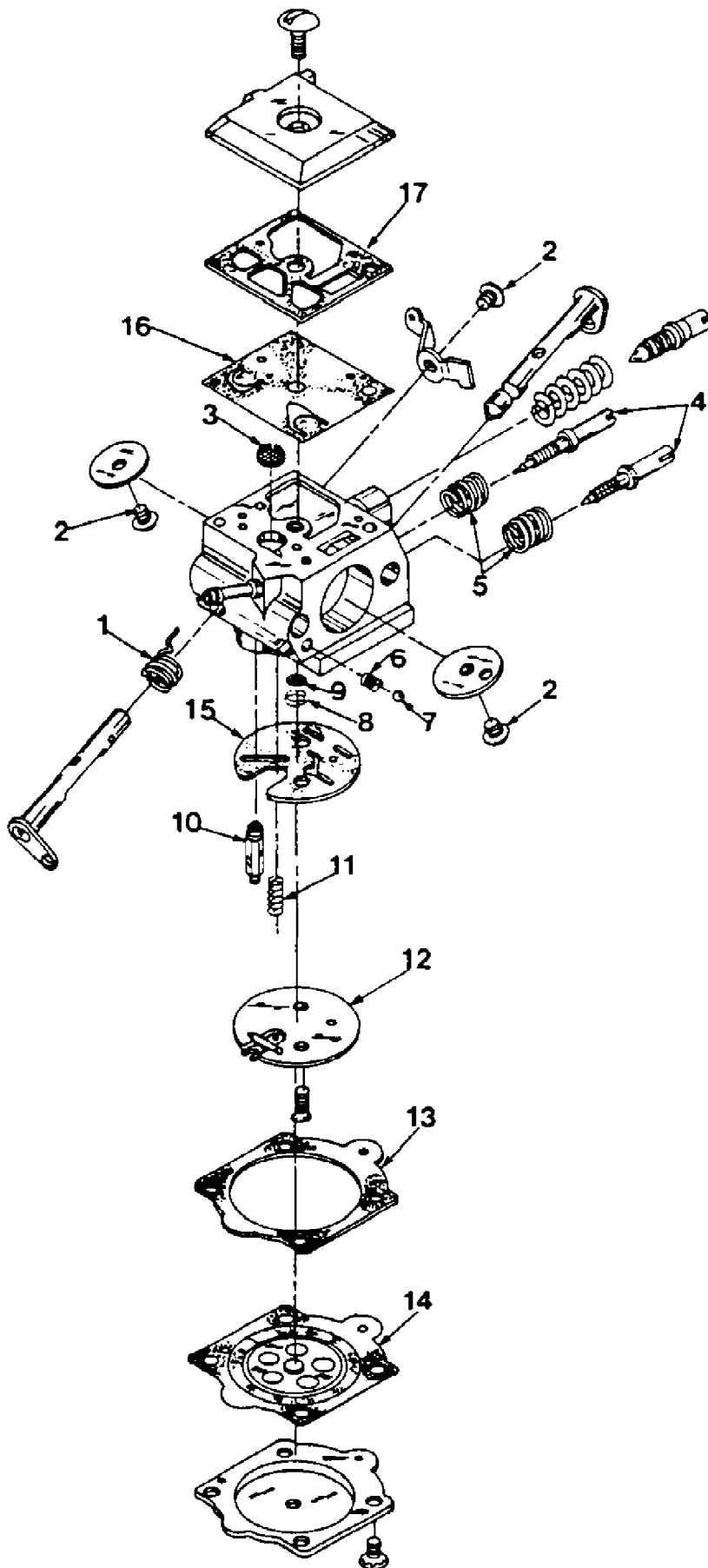
## TOOLS

|                                           |         |
|-------------------------------------------|---------|
| TOOL- Check valve                         | 24972   |
| GAUGE- (.015 pink plastic feeler)         | 22486   |
| LOCTITE                                   | 23488-C |
| PLUG- Needle bearing installation         | 23756   |
| PULLER- Magneto rotor                     | A-24544 |
| Includes:                                 |         |
| SCREW- Hex 10-32 x 1 3/8 (4)              | 82162   |
| WASHER- Flat #10 (4)                      | 84003-1 |
| NUT- Hex centerlock 10-32 (4)             | 81206   |
| SCREWDRIVER                               | 24541   |
| SHIM (.012 black plastic) Magneto air gap | 24306   |
| SPACER- Plug                              | 24548   |
| WRENCH- Spanner (clutch)                  | A-93791 |
| Includes:                                 |         |
| PIN- Clutch spanner (2)                   | 23717-A |
| WRENCH- Socket                            | 68651   |

| Ref #   | Part Number | Qty | S/P/F | Description                                                  |
|---------|-------------|-----|-------|--------------------------------------------------------------|
| 17193   | 17193       | 1   |       | GREASE                                                       |
| A-68655 | A-68655     | 1   |       | KIT- Spike bumper Includes P/N's 80648 and 81206.            |
| 80648   | 80648       | 1   | /P    | SCREW (2)                                                    |
| 81206   | 81206       | 1   | S/P   | NUT (2)                                                      |
| 68848   | 68848       | 1   | /P    | REEL- 250 Ft. starter rope #4                                |
| 7030999 | 7030999     | 1   | /P    | TUBING- Rubber 10 ft.                                        |
| 9477299 | 9477299     | 1   | /P    | TUBING- Rubber 10 ft.                                        |
| 9311299 | 9311299     | 1   | S     | TUBING- Rubber 10 ft.                                        |
| 23475   | 23475       | 1   | /P    | PAINT- Red- 12 oz.                                           |
| 94216   | 94216       | 1   |       | CASE- Carrying                                               |
| A69048A | A69048A     | 1   |       | DECALS- Set of four                                          |
| 24972   | 24972       | 1   |       | TOOL- Check valve                                            |
| 22486   | 22486       | 1   |       | GAUGE- (.015 pink plastic feeler)                            |
| 23488C  | 23488C      | 1   |       | LOCTITE                                                      |
| 23756   | 23756       | 1   |       | PLUG- Needle bearing installation                            |
| A-24544 | A-24544     | 1   |       | PULLER- Magneto rotor Includes P/N's 82162, 840031, & 81206. |
| 82162   | 82162       | 1   |       | SCREW- Hex 10-32 x 1 3/8 (4)                                 |
| 840031  | 840031      | 1   | S     | WASHER- Flat #10 (4)                                         |
| 81206   | 81206       | 1   | S/P   | NUT- Hex centerlock 10-32 (4)                                |
| 24541   | 24541       | 1   | S     | SCREWDRIVER                                                  |
| 24306   | 24306       | 1   | S     | SHIM (.012 black plastic) Magneto air gap                    |
| 24548   | 24548       | 1   |       | SPACER- Plug                                                 |
| A-93791 | A-93791     | 1   | S     | WRENCH- Spanner (clutch) Includes P/N 23717A.                |
| 23717A  | 23717A      | 1   | /P    | PIN- Clutch spanner (2)                                      |
| 68651   | 68651       | 1   | S     | WRENCH- Socket                                               |

150W Chain Saw UT-10513-A  
Carburetor - HDC-54

Page 3 of 15



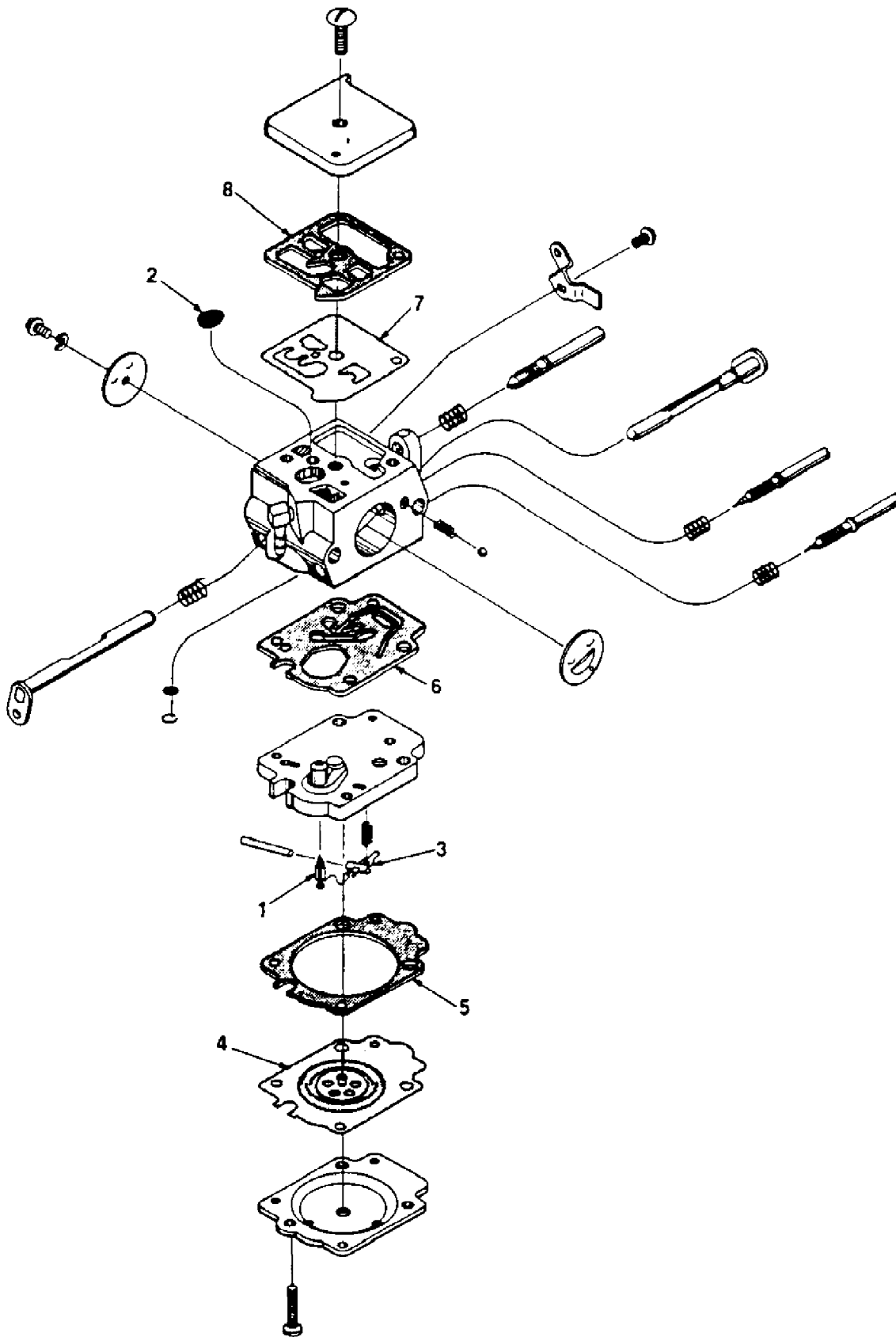
150W Chain Saw UT-10513-A  
Carburetor - HDC-54

Page 4 of 15

| Ref # | Part Number | Qty | S/P/F | Description                                  |
|-------|-------------|-----|-------|----------------------------------------------|
| 1     | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 2     | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 3     | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 4     | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 5     | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 6     | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 7     | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 8     | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 9     | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 10    | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 11    | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 12    | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
| 13    | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
|       | 94701       | 1   |       | GASKET/Diaphragm Kit Includes Ref. #13 - 17. |
| 14    | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
|       | 94701       | 1   |       | GASKET/Diaphragm Kit Includes Ref. #13 - 17. |
| 15    | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
|       | 94701       | 1   |       | GASKET/Diaphragm Kit Includes Ref. #13 - 17. |
| 16    | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
|       | 94701       | 1   |       | GASKET/Diaphragm Kit Includes Ref. #13 - 17. |
| 17    | 93200B      | 1   |       | Repair Kit Includes Ref. #1 - 17.            |
|       | 94701       | 1   |       | GASKET/Diaphragm Kit Includes Ref. #13 - 17. |
|       | 65386       | 1   | S     | Repair Kit- Check Valve                      |

150W Chain Saw UT-10513-A  
Carburetor - HK-3D

Page 5 of 15



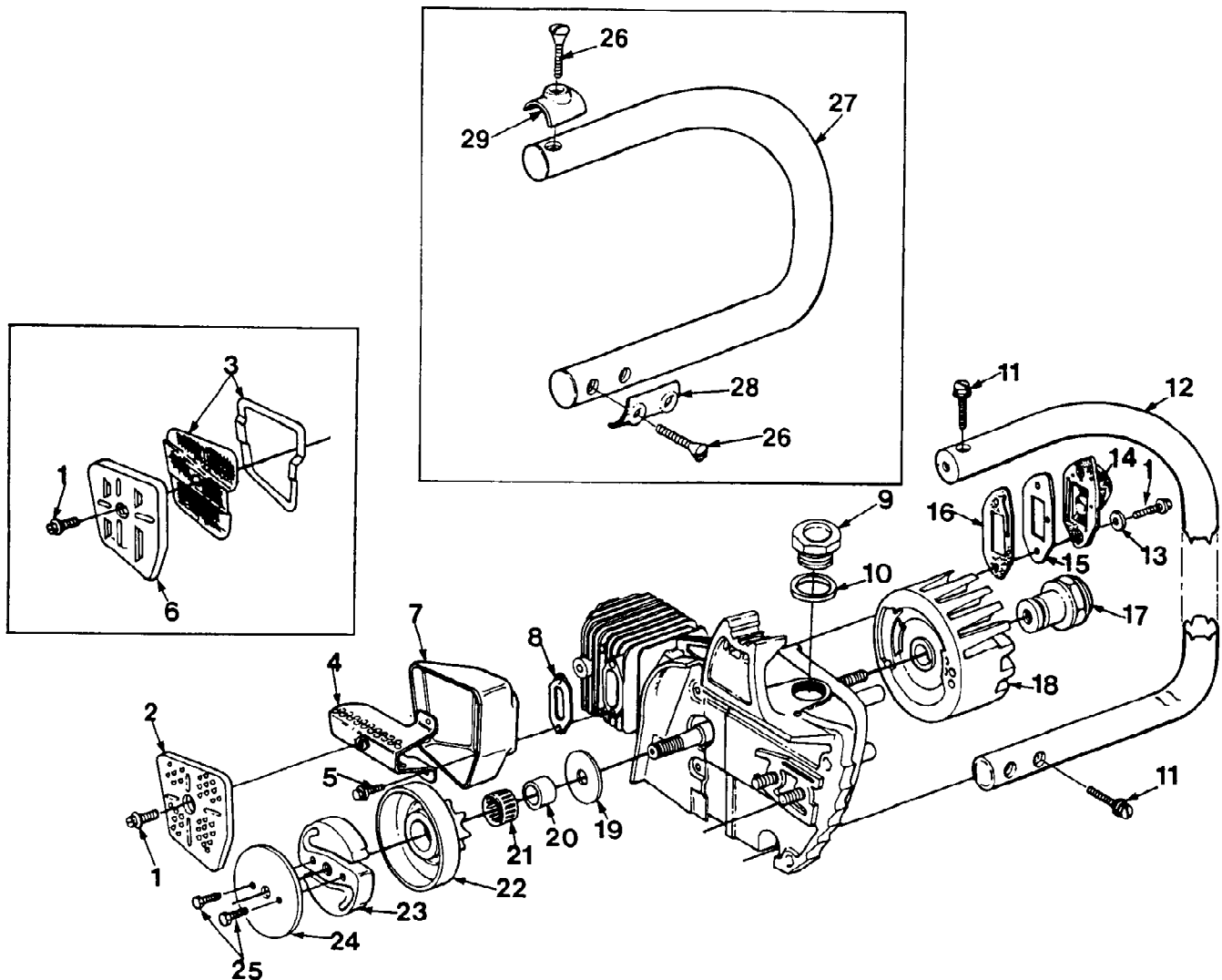
150W Chain Saw UT-10513-A  
Carburetor - HK-3D

Page 6 of 15

| Ref # | Part Number | Qty | S/P/F | Description                                |
|-------|-------------|-----|-------|--------------------------------------------|
| 1     | 95697       | 1   |       | Repair Kit Includes items 1 - 8.           |
| 2     | 95697       | 1   |       | Repair Kit Includes items 1 - 8.           |
| 3     | 95697       | 1   |       | Repair Kit Includes items 1 - 8.           |
| 4     | 95697       | 1   |       | Repair Kit Includes items 1 - 8.           |
| 4     | 70094       | 1   |       | Gasket-Diaphragm Kit Includes items 4 - 8. |
| 5     | 95697       | 1   |       | Repair Kit Includes items 1 - 8.           |
| 5     | 70094       | 1   |       | Gasket-Diaphragm Kit Includes items 4 - 8. |
| 6     | 95697       | 1   |       | Repair Kit Includes items 1 - 8.           |
| 6     | 70094       | 1   |       | Gasket-Diaphragm Kit Includes items 4 - 8. |
| 7     | 95697       | 1   |       | Repair Kit Includes items 1 - 8.           |
| 7     | 70094       | 1   |       | Gasket-Diaphragm Kit Includes items 4 - 8. |
| 8     | 95697       | 1   |       | Repair Kit Includes items 1 - 8.           |
| 8     | 70094       | 1   |       | Gasket-Diaphragm Kit Includes items 4 - 8. |
|       | 70109       | 1   |       | Needle-Inlet                               |

150W Chain Saw UT-10513-A  
Clutch, Muffler And Flywheel

Page 7 of 15



150W Chain Saw UT-10513-A  
Clutch, Muffler And Flywheel

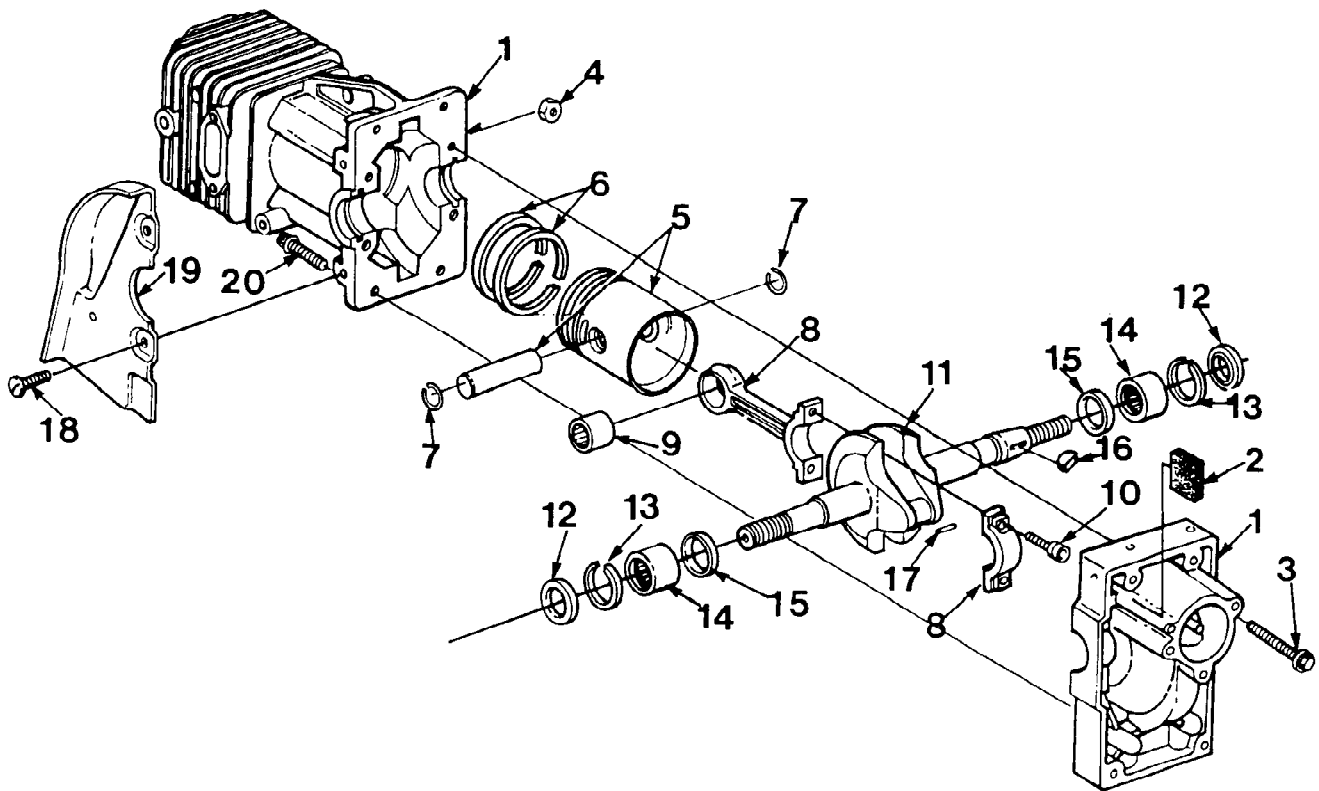
Page 8 of 15

| Ref # | Part Number | Qty | S/P/F | Description                                                                          |
|-------|-------------|-----|-------|--------------------------------------------------------------------------------------|
| 1     | 80983       | 3   | S     | SCREW- Hex washer hd., 8-32 x 1/2                                                    |
| 2     | 685961      | 1   |       | CAP- Muffler (150 AO)                                                                |
| 3     | A686661B    | 1   |       | ARRESTOR- Spark (150 AOW) Included in Muffler temp. kit (150 AOW) P/N A-94068.       |
| 4     | A68564      | 1   |       | BAFFLE- Muffler                                                                      |
|       | A-94068     | 1   |       | KIT- Muffler temp. (150 AOW) Includes Items 5 - 6.                                   |
|       | A686661B    | 1   |       | Arrestor Ref. #3                                                                     |
| 5     | 80939       | 4   | S     | SCREW- Hex washer hd., 8-32 x 3/8                                                    |
| 6     | 94070       | 1   |       | CAP- Muffler (150 AOW)                                                               |
|       | 940711      | 1   |       | SHIELD (Item 51 in Starter, Tank and Drivecase Cover Diagram)                        |
| 7     | 685451      | 1   |       | BODY- Muffler                                                                        |
| 8     | 68542       | 1   |       | GASKET- Muffler                                                                      |
| 9     | A68557      | 1   |       | CAP- Oil filler Includes item 10.                                                    |
| 10    | 68533       | 1   |       | GASKET- Oil filler cap                                                               |
| 11    | 82218       | 3   | /P    | SCREW- Oval hd., 10-24 x 1 1/8                                                       |
| 12    | A709041     | 1   |       | HANDLE BAR                                                                           |
| 13    | 84103       | 2   |       | WASHER- Flat 7/16 x 3/16 x 1/16                                                      |
| 14    | A685202     | 1   |       | MANIFOLD- Intake                                                                     |
| 15    | 68671       | 1   |       | COVER- Pulse                                                                         |
| 16    | 68464       | 1   |       | GASKET- Intake manifold                                                              |
| 17    | A68610      | 1   |       | NUT- Rotor Rotor nut A-68610 has left hand threads. Turn nut to the right to remove. |
| 18    | 68530       | 1   |       | ROTOR (point ignition) Prior to Lot #D005                                            |
| 18    | 96891       | 1   |       | ROTOR (Solid state) After Lot #D005                                                  |
| 19    | 65064       | 1   |       | WASHER- Thrust                                                                       |
| 20    | 65746B      | 1   | S     | RACE- Inner                                                                          |
| 21    | 64124       | 1   | S     | BEARING- Needle                                                                      |
| 22    | A95619      | 1   |       | SPROCKET & DRUM- 7 tooth, 3/8" pitch                                                 |
|       | A69953A     | 1   |       | CLUTCH & PLATE Includes items 23 - 25.                                               |
| 23    | 683627      | 1   |       | CLUTCH "S"                                                                           |
| 24    | 69915       | 1   |       | PLATE- Clutch                                                                        |
| 25    | 803612      | 2   |       | SCREW- Hex hd., 10-32 x 1/2                                                          |
| 26    | 82378       | 2   | /P    | SCREW- 10-24 x 1 5/8 (150 E)                                                         |
| 27    | A95291      | 1   |       | HANDLE BAR (150 E)                                                                   |
| 28    | 69301       | 1   |       | CLAMP- Handle bar (lower)                                                            |
| 29    | 69302       | 1   |       | CLAMP- Handle bar (upper)                                                            |



150W Chain Saw UT-10513-A  
Engine Internals

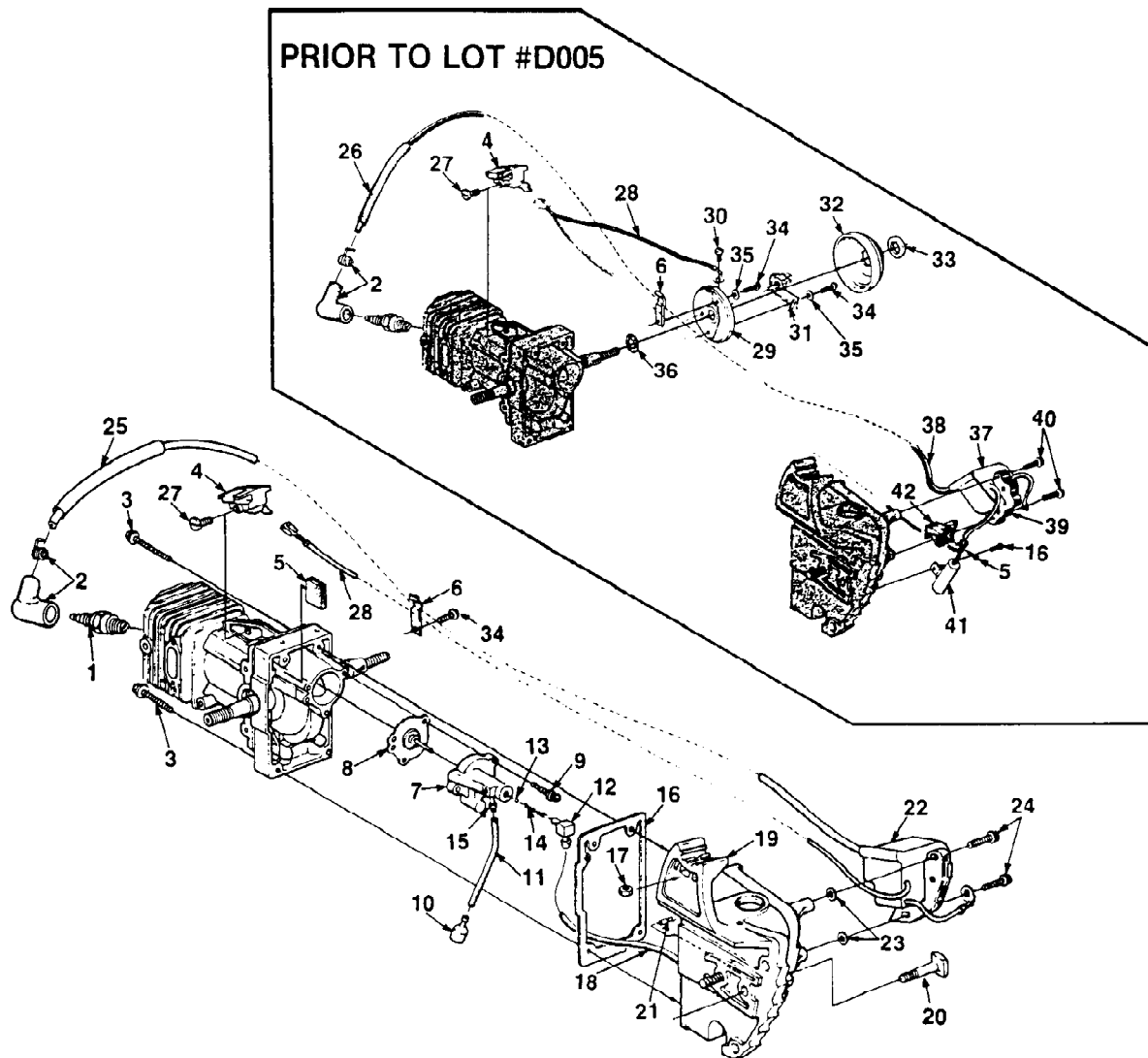
Page 9 of 15



150W Chain Saw UT-10513-A  
Engine Internals

Page 10 of 15

| Ref # | Part Number | Qty | S/P/F | Description                                  |
|-------|-------------|-----|-------|----------------------------------------------|
| 1     | A68643D     | 1   |       | CRANKCASE & CYLINDER Includes items 2 - 4.   |
| 2     | 68990A      | 1   |       | COVER- Vent                                  |
| 3     | 88044       | 4   |       | SCREW- Hex washer hd. 8-32 x 1               |
| 4     | 81223       | 4   |       | NUT- Hex centerlock 8-32                     |
|       | 68623       | 1   |       | CLAMP (not shown)                            |
|       | 643091      | 1   | /P    | PIN- Dowel (not shown)                       |
|       | 80571       | 2   | /P    | SCREW- Pan washer hd. 6-32 x 3/8 (not shown) |
| 5     | A68642      | 1   |       | PISTON & PIN Includes items 6 - 10.          |
| 6     | 68508       | 2   |       | PISTON- Ring                                 |
| 7     | 64813       | 2   | /P    | RING- Piston retaining                       |
| 8     | A68518      | 1   |       | ROD- Connecting Includes items 9 - 10.       |
| 9     | 68512       | 1   | S     | BEARING- Needle                              |
| 10    | 69919       | 2   | /P    | SCREW- Soc. hd., 8-32 x 1/2                  |
| 11    | 685071      | 1   |       | CRANKSHAFT                                   |
| 12    | 94638       | 2   | S     | SEAL                                         |
| 13    | 68514       | 2   |       | RING- Retaining                              |
| 14    | 12530       | 2   |       | BEARING- Roller                              |
| 15    | 68509A      | 2   |       | BEARING- Thrust                              |
| 16    | 65126       | 1   |       | KEY- Woodruff                                |
| 17    | A68511      | 1   |       | ROLLER- Needle (set of 18)                   |
| 18    | 95922       | 3   | /P    | SCREW- Pan taptite 8-32 x 5/16               |
| 19    | 68596       | 1   |       | SHIELD- Sawdust                              |
| 20    | 82248       | 4   |       | SCREW- Hex hd. 8-32 x 3/4                    |



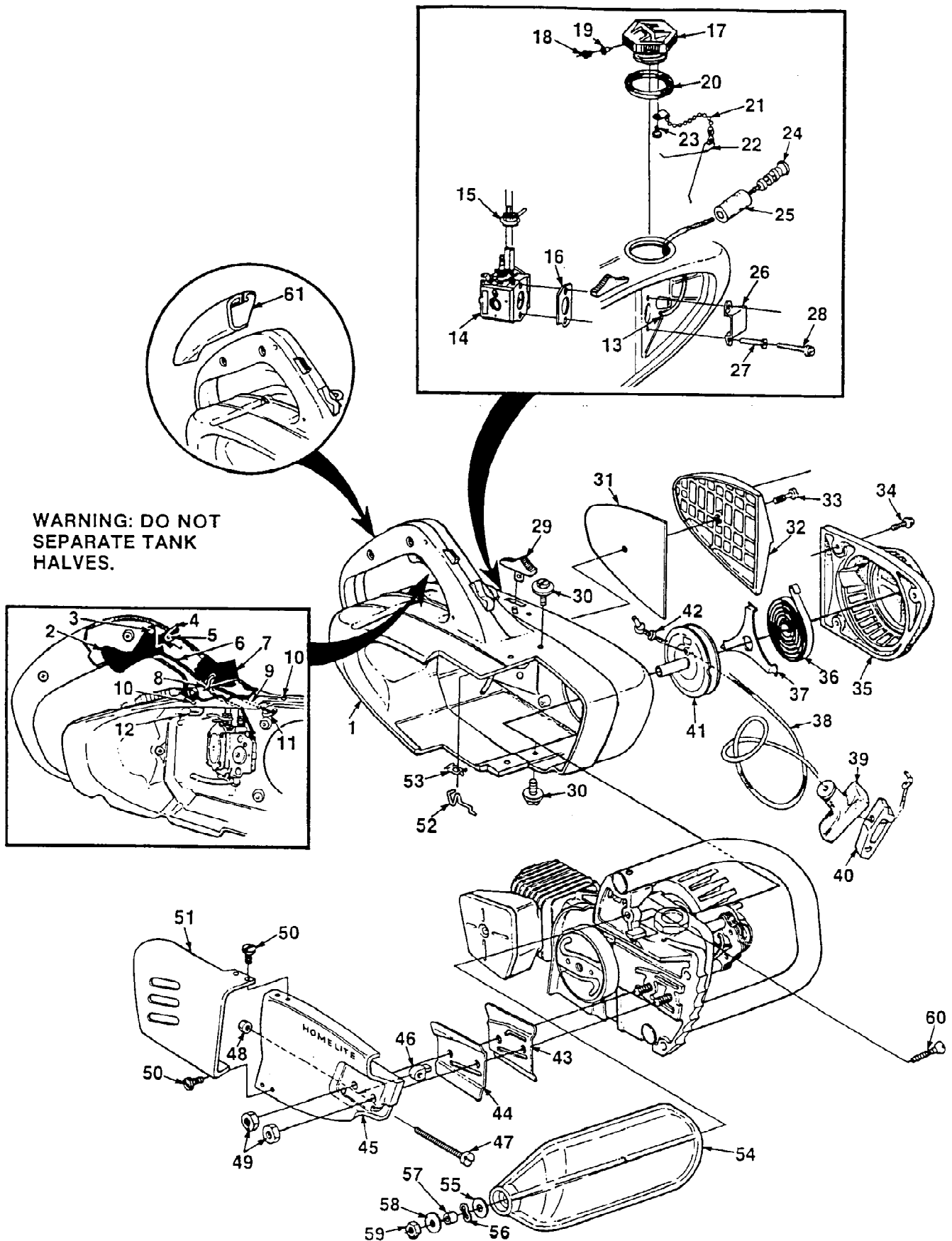
150W Chain Saw UT-10513-A  
Ignition And Oiler

Page 12 of 15

| Ref # | Part Number | Qty | S/P/F | Description                                      |
|-------|-------------|-----|-------|--------------------------------------------------|
| 1     | 68616S      | 1   |       | SPARK PLUG                                       |
| 2     | A33055      | 1   | /P    | TERMINAL- Spark plug                             |
| 3     | 88045       | 4   |       | SCREW- Hex washer hd. 8-32 x 1.25                |
| 4     | A69341      | 1   |       | BUSHING & TERMINAL                               |
| 5     | 68990A      | 1   |       | COVER- Vent                                      |
| 6     | 68623       | 1   |       | CLAMP- High tension lead                         |
| 7     | A70974A     | 1   |       | PUMP- Automatic oil Includes items 8 - 15.       |
| 8     | A68583B     | 1   |       | PLUNGER- Oil pump                                |
| 9     | 82291       | 2   |       | SCREW- 8-32 x .625                               |
| 10    | A68593      | 1   |       | FILTER- Oil                                      |
| 11    | 7030909     | 1   | S     | LINE- Oil pick-up 2 1/4"                         |
| 12    | 70204       | 1   | /P    | FITTING- Tube                                    |
| 13    | 60051       | 1   | S     | BALL- Check friction                             |
| 14    | 68570       | 1   |       | SPRING- Choke valve                              |
| 15    | 94619       | 1   |       | FITTING- Tube                                    |
| 16    | 68589C      | 1   | /P    | GASKET- Oil tank                                 |
| 17    | 81208       | 1   | /P    | NUT- Hex centerlock 10-24                        |
| 18    | 9311219     | 1   |       | RUBBER- Tubing 4 3/4                             |
| 19    | A937431A    | 1   |       | TANK- Oil Includes items 20 - 21.                |
| 20    | 58753       | 2   |       | BOLT- Guide bar                                  |
| 21    | 70972       | 1   |       | FITTING- Tube                                    |
| 22    | A97026      | 1   |       | KIT- Ignition conversion Includes items 23 - 25. |
| 23    | 84101       | 2   |       | WASHER- Flat                                     |
| 24    | 82248       | 2   |       | SCREW- Mach                                      |
| 25    | 96907       | 1   |       | SLEEVE- Insulating                               |
| 26    | 68625       | 1   |       | SLEEVE- Wire (fiberglass)                        |
| 27    | 82256       | 2   | S     | SCREW- Pan hd., plastite (6 x 1/4)               |
| 28    | A93626      | 1   |       | LEAD- Stop switch                                |
| 29    | A69533A     | 1   |       | BOX- Breaker Includes items 30 - 32.             |
| 30    | 82256       | 1   | S     | SCREW- Plastite #6 x 1/4                         |
| 31    | A94631      | 1   |       | POINTS- Breaker                                  |
| 32    | A94231      | 1   |       | COVER- Breaker box Includes item 33.             |
| 33    | 68618A      | 1   |       | SEAL- Breaker box cover                          |
| 34    | 80571       | 2   | /P    | SCREW- Pan washer hd., 6-32 x 3/8                |
| 35    | 84025       | 2   | /P    | WASHER- Flat #8                                  |
| 36    | 93849       | 1   |       | SEAL                                             |
| 37    | A68649A     | 1   |       | COIL- Ignition Includes item 38.                 |
| 38    | 68629       | 1   |       | LEAD- Hi-tension                                 |
| 39    | A68648      | 1   |       | CORE Includes Retainer Coil.                     |
|       | 68257       | 1   |       | RETAINER- Coil Included in item 39 (not shown)   |
| 40    | 82248       | 2   |       | SCREW- Hex hd. 8-32 x 3/4                        |
| 41    | 68543       | 1   |       | CONDENSER                                        |
| 42    | 68613       | 1   |       | BLOCK- Terminal                                  |

150W Chain Saw UT-10513-A  
Starter, Tank And Drivecase Cover

Page 13 of 15



150W Chain Saw UT-10513-A  
 Starter, Tank And Drivecase Cover

Page 14 of 15

| Ref # | Part Number | Qty | S/P/F | Description                                 |
|-------|-------------|-----|-------|---------------------------------------------|
| 1     | A686441A    | 1   |       | ENGINE COVER Includes items 2 - 13.         |
| 1     | A69549A     | 1   |       | ENGINE COVER (150-E) Includes items 2 - 13. |
| 2     | A-93044     | 1   |       | TRIGGER- Throttle                           |
| 3     | 68548       | 1   |       | PIN- Trigger                                |
| 4     | 68626       | 1   |       | SPRING- Trigger latch                       |
| 5     | 68641       | 1   |       | PIN- Grooved                                |
| 6     | 68550       | 1   |       | LINKAGE- Throttle                           |
| 7     | 68580       | 1   |       | BUTTON- Stop switch                         |
| 8     | 68581       | 1   |       | SPRING- Stop switch                         |
| 9     | 68576       | 1   |       | LINK- Grounding switch                      |
| 10    | 85061       | 1   |       | RIVET                                       |
| 11    | 68577       | 1   |       | CONTACT- Grounding switch                   |
| 12    | 68639       | 1   |       | CLAMP- High tension                         |
| 13    | 9477232     | 1   | S     | TUBING- Rubber (fuel) 8"                    |
| 14    | A69957B     | 1   |       | CARBURETOR- Walbro HDC-54                   |
|       | A95230A     | 1   |       | CARBURETOR- Till HK-30 (alternate source)   |
| 15    | A-70332     | 1   |       | DETENT- Carburetor                          |
| 16    | 68537       | 1   |       | SPACER- Carburetor                          |
| 17    | A69500A     | 1   | S     | CAP- Fuel filler Includes items 18 - 23.    |
| 18    | 69454       | 1   | /P    | FILTER- Fuel cap                            |
| 19    | 69451       | 1   | /P    | VALVE- Check                                |
| 20    | 69501       | 1   | /P    | GASKET- Fuel filler cap                     |
| 21    | 69502       | 1   |       | CHAIN- Bead                                 |
| 22    | 69503       | 1   | S     | RETAINER                                    |
| 23    | 82256       | 1   | S     | SCREW- Pan hd., #6 x 1/4                    |
| 24    | A-69923     | 1   |       | FILTER- Fuel                                |
| 25    | 64083       | 1   |       | ELEMENT- Felt filter                        |
| 26    | 68534       | 1   |       | DEFLECTOR- Air                              |
| 27    | 68560       | 1   |       | BUSHING- Flanged                            |
| 28    | 82224       | 2   |       | SCREW- Hex washer hd., 8-32 x 2             |
| 29    | 68551       | 1   |       | BUTTON- Choke                               |
| 30    | 69335A      | 4   |       | SCREW- Sems hex hd., 10-24 x 5/8            |
| 31    | 68532       | 1   | /P    | FILTER- Element air                         |
| 32    | 68531A      | 1   |       | COVER- Air filter                           |
| 33    | 68535       | 1   |       | SCREW- Cover retaining                      |
| 34    | 80983       | 2   | S     | SCREW- Hex washer hd., 8-32 x 1/2           |
|       | A68611A     | 1   |       | STARTER- Complete Includes items 35 - 41.   |
| 35    | A68523A     | 1   |       | HOUSING- Starter                            |
| 36    | 65107       | 1   |       | SPRING- Rewind                              |
| 37    | 68612       | 1   |       | RETAINER- Rewind spring                     |
| 38    | A-93876     | 1   |       | ROPE- Starter #4 (42" long)                 |
| 39    | A69962B     | 1   | /P    | GRIP- Starter rope                          |
| 40    | 70018A      | 1   | /P    | INSERT- Rope retaining                      |
| 41    | A68645A     | 1   | S     | PULLEY- Starter Includes item 42.           |
| 42    | 93862       | 1   | /P    | WASHER- Nylon                               |
| 43    | 67300C      | 1   |       | PLATE- Guide bar (inner)                    |
| 44    | 67299C      | 1   |       | PLATE- Guide bar (outer)                    |
| 45    | A686141A    | 1   |       | COVER- Drivecase Includes items 46 - 48.    |
| 46    | 651121      | 1   | S     | PIN- Guide bar adjusting                    |
| 47    | 65175A      | 1   | /P    | SCREW- Guide bar adjusting                  |
| 48    | 81206       | 1   | S/P   | NUT- Hex centerlock, 10-32                  |
| 49    | 81196       | 2   | S/P   | NUT- Hex 5/16-18                            |

150W Chain Saw UT-10513-A  
 Starter, Tank And Drivecase Cover

Page 15 of 15

| Ref # | Part Number | Qty | S/P/F | Description                                                                       |
|-------|-------------|-----|-------|-----------------------------------------------------------------------------------|
| 50    | 80939       | 2   | S     | SCREW- Pan hd., 8-32 x 3/8 (150 AOW)                                              |
| 51    | 940711      | 1   |       | SHIELD MUFFLER- (150 AOW) Included in<br>Muffler temp. kit (150 AOW) P/N A-94068. |
| 52    | 68552       | 1   |       | ROD- Choke                                                                        |
| 53    | 68584A      | 1   |       | SPRING- Choke                                                                     |
| 54    | A-95088     | 1   |       | HANDGUARD                                                                         |
| 55    | 95935       | 1   | /P    | WASHER                                                                            |
| 56    | 96757       | 1   |       | WASHER                                                                            |
| 57    | 95937       | 1   |       | SPACER                                                                            |
| 58    | 840651      | 1   | S     | WASHER                                                                            |
| 59    | 81225       | 1   | /P    | NUT- Hex (12-24)                                                                  |
| 60    | 80945       | 1   |       | SCREW- Flat head                                                                  |
| 61    | 69303       | 1   |       | COVER- Right hand (150-E)                                                         |