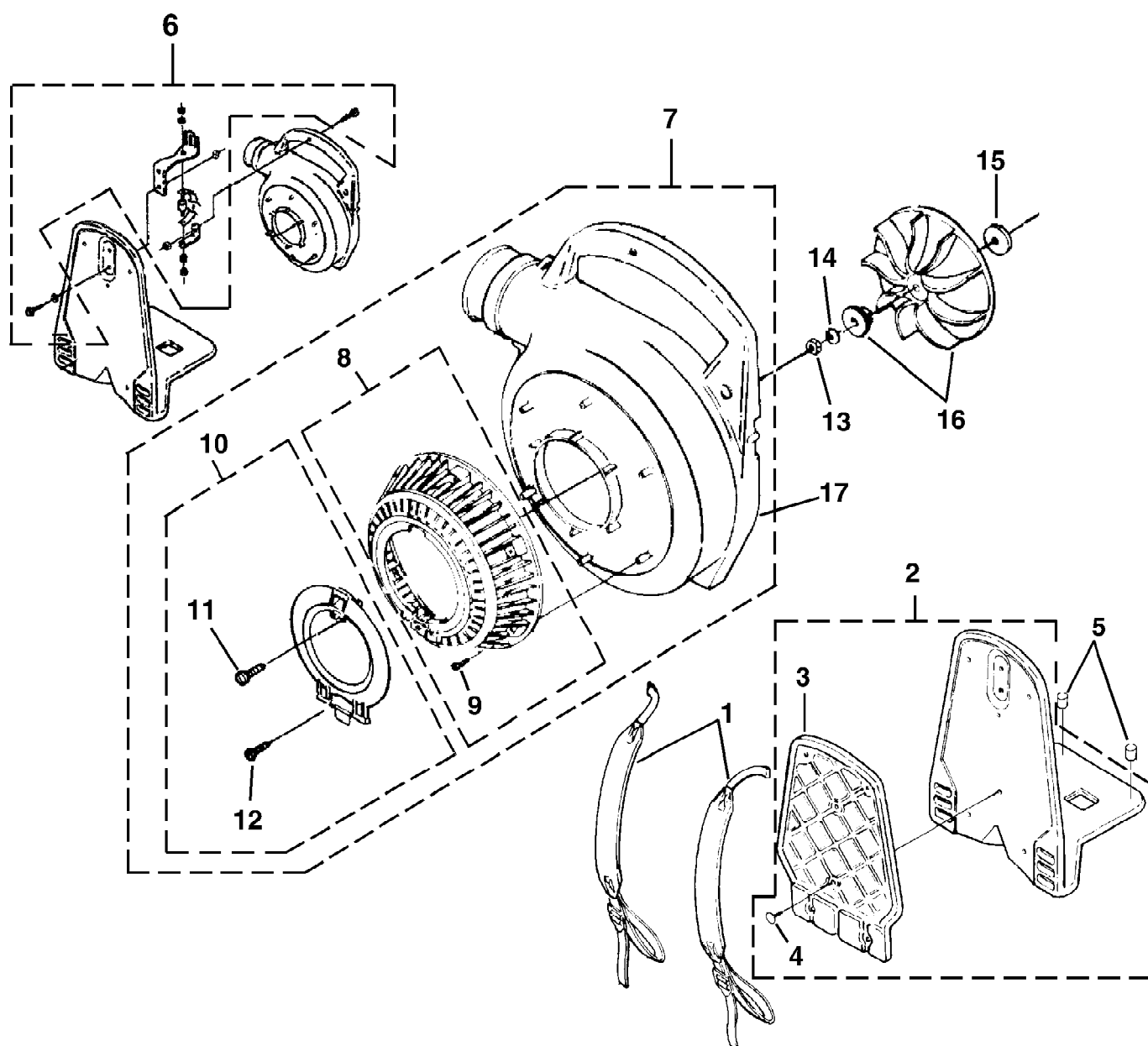


BP250(I) Blower UT-08097  
Back Pack, Tube Kit & Handle

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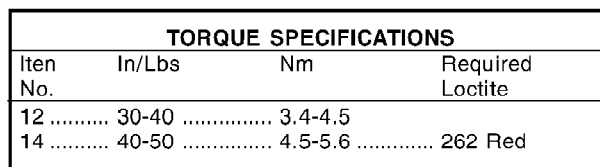


| TORQUE SPECIFICATIONS |               |           |                  |
|-----------------------|---------------|-----------|------------------|
| Item No.              | In/Lbs        | Nm        | Required Loctite |
| 9 .....               | 8-12 .....    | .9-1.4    |                  |
| 11 .....              | 10-20 .....   | 1.1-2.3   |                  |
| 12 .....              | 8-12 .....    | .9-1.4    |                  |
| 13 .....              | 130-150 ..... | 14.7-17.0 |                  |

BP250(I) Blower UT-08097  
Back Pack, Tube Kit & Handle

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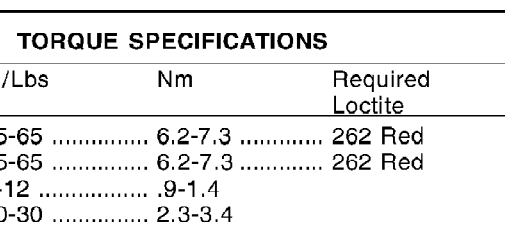
| Ref # | Part Number | Qty | S/P/F | Description                                                             |
|-------|-------------|-----|-------|-------------------------------------------------------------------------|
| 1     | 01776       | 2   | /P    | HARNESS-Shoulder                                                        |
| 2     | UP04405A    | 1   | /P    | FRAME-Blower Includes Items 3-4                                         |
| 3     | PSO2023     | 1   |       | PAD-Foam                                                                |
| 4     | 01783       | 6   | /P    | CLIP-Push                                                               |
| 5     | 01770A      | 2   | /P    | VIBRATION ISOLATOR (One included in #6 kit)                             |
| 6     | UP06885A    | 1   | S/P   | VIBRATION ISOLATOR KIT                                                  |
| 7     | 984918001   | 1   | /P    | VOLUTE HOUSING KIT Includes Items 8-12;Not Used on UT08111 and UT08111A |
| 8     | UP06720A    | 1   | /P    | BLOWER VAC GRILLE KIT Includes Item 9                                   |
| 9     | 82528       | 6   | /P    | SCREW-Thread Form. (#6 X 3/8") Includes Items 10-12                     |
| 10    | 984910001   | 1   | /P    | ACCESS DOOR KIT **                                                      |
| 11    | 82312       | 1   | /P    | SCREW-Thread Rolling (#10 X 5/8") Not Used on UT08111 and UT08111A      |
| 12    | 82376       | 1   | /P    | SCREW-Thread Form. (#8 X 1/2")                                          |
| 13    | 81124A      | 1   | /P    | NUT-Hex (3/8-24)                                                        |
| 14    | 03163       | 1   | /P    | WASHER-Bellville (3/8")                                                 |
| 15    | 03165       | 2   | S/P   | WASHER-Flat                                                             |
| 16    | UP06826A    | 1   | S/P   | BLOWER FAN KIT                                                          |
| 17    | 985121001   | 1   | S/P   | VOLUTE OUTER - SVC                                                      |



BP250(I) Blower UT-08097  
Carburetor And Fuel Tank

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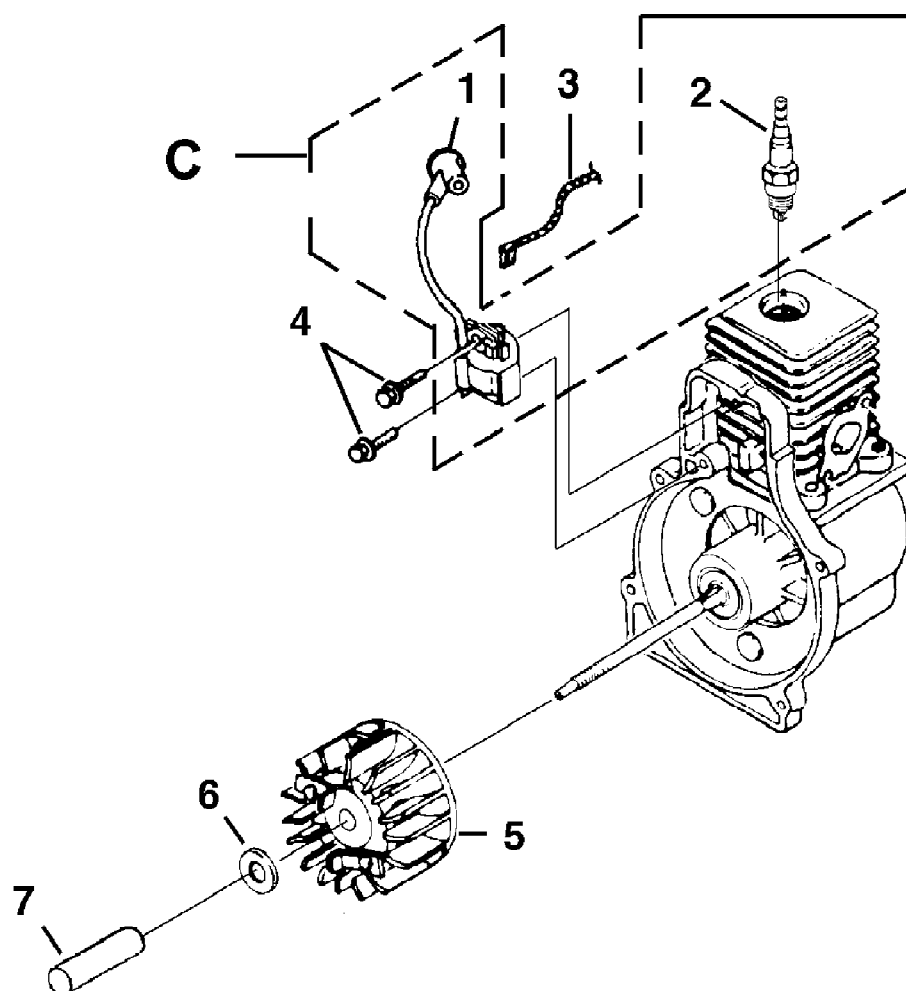
| Ref # | Part Number | Qty | S/P/F | Description                                                               |
|-------|-------------|-----|-------|---------------------------------------------------------------------------|
| F     | UP00136A    | 1   | S/P   | FUEL TANK KIT Includes Items 1-8                                          |
| 1     | AO9116      | 1   |       | FUEL CAP ( 1 5/8" Opening)                                                |
| 2     | 98792       | 3   | /P    | BUMPER-Rubber                                                             |
| 3     | 0143922     | 1   | /P    | TUBING-Rubber (5.5")                                                      |
| 4     | PSO3380     | 1   |       | FUEL FILTER                                                               |
| 5     | 9477225     | 2   | /P    | TUBING-Rubber (6 1/4")                                                    |
| 6     | 07332       | 1   | S/P   | Fitting, Inlet (small for 2.5mm ID fuel line)                             |
|       | 02067       | 1   | /P    | Fitting, Inlet (large for 3mm ID fuel line)                               |
| 7     | 4283309     | 1   | /P    | INSULATION-Tubing                                                         |
| 8     | 98268       | 1   | S/P   | CLAMP                                                                     |
|       | 06443A      | 1   | S/P   | GASKET-Crankcase (Not shown)                                              |
|       | PS01565     | 4   | /P    | SCREW, Sems (10-24 x .56) (Not Shown)                                     |
| B     | UP00010A    | 1   | /P    | CARBURETOR KIT Includes Items 9-10                                        |
| 9     | 987661      | 1   | /P    | GASKET-Carburetor Also included with<br>Cylinder Kits                     |
| 10    | UP03943     | 1   | /P    | LEVER-Choke (Walbro WT419,WT469)                                          |
| B     | UP00652     | 1   | /P    | CARBURETOR KIT Includes Items 9-10;<br>(Back Packer(TM), BP250I, BP25175) |
| 9     | 98766A      | 1   | S/P   | GASKET-Carburetor Also included with<br>Cylinder Kits                     |
| 10    | UP03943     | 1   | /P    | LEVER-Choke (Walbro WT419,WT469)                                          |
| 11    | 00775A      | 1   | S/P   | GASKET-Heat Dam Also included with<br>Cylinder Kits                       |
| 12    | 04474       | 2   | /P    | CARB. BOLT                                                                |
| 13    | 98768A      | 1   | /P    | HEAT DAM                                                                  |
| 14    | 093221      | 2   | S/P   | SCREW, SEMS (10-24 x 1.110)                                               |



BP250(I) Blower UT-08097  
Engine Internal

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| Ref # | Part Number | Qty | S/P/F | Description                                                           |
|-------|-------------|-----|-------|-----------------------------------------------------------------------|
| 1     | UP03369A    | 1   | /P    | SHORT BLOCK (25cc) Includes Items 2-9                                 |
| 2     | UP04136A    | 1   | S/P   | 25 CC CYLINDER KIT Includes Items 3-4                                 |
| 3     | 04388B      | 1   | S/P   | GASKET-Cylinder                                                       |
|       | 00394B      | 1   | /P    | GASKET-Muffler (Not Shown)                                            |
|       | 00775A      | 1   | S/P   | GASKET-Heat Dam (Not Shown)                                           |
| 4     | PS02807     | 3   | /P    | SCREW, SEMS (12-24 x 3/4)                                             |
| 5     | 984544001   | 1   | /P    | 25 CC PISTON & ROD Includes Item 6                                    |
| 6     | PS01359     | 1   | S/P   | RING-Piston                                                           |
| 7     | PS02130     | 1   | /P    | CRANKCASE COVER-Stamped Steel<br>Includes items 8-9                   |
| 8     | 06443A      | 1   | S/P   | GASKET-Crankcase Also included with<br>Cylinder Kits.                 |
| 9     | PS01565     | 4   | /P    | SCREW, SEMS (10-24 x .56)                                             |
| 10    | 02851       | 1   | /P    | TAB-Male                                                              |
| 11    | PA00666     | 1   | S/P   | CABLE-Throttle w/Ignition Leads (Back<br>Packer(TM), BP250I, BP25175) |
| 12    | A01767      | 1   | /P    | CABLE BRACKET (Back Packer(TM),<br>BP250I, BP25175)                   |
| 13    | 82376       | 3   | /P    | SCREW-Thread Form. (#8 X 1/2")                                        |
| 14    | 82563       | 1   | /P    | SCREW-Thread Form. (#10 X 3/4")                                       |
| 15    | UP06522A    | 1   | /P    | SHROUD                                                                |



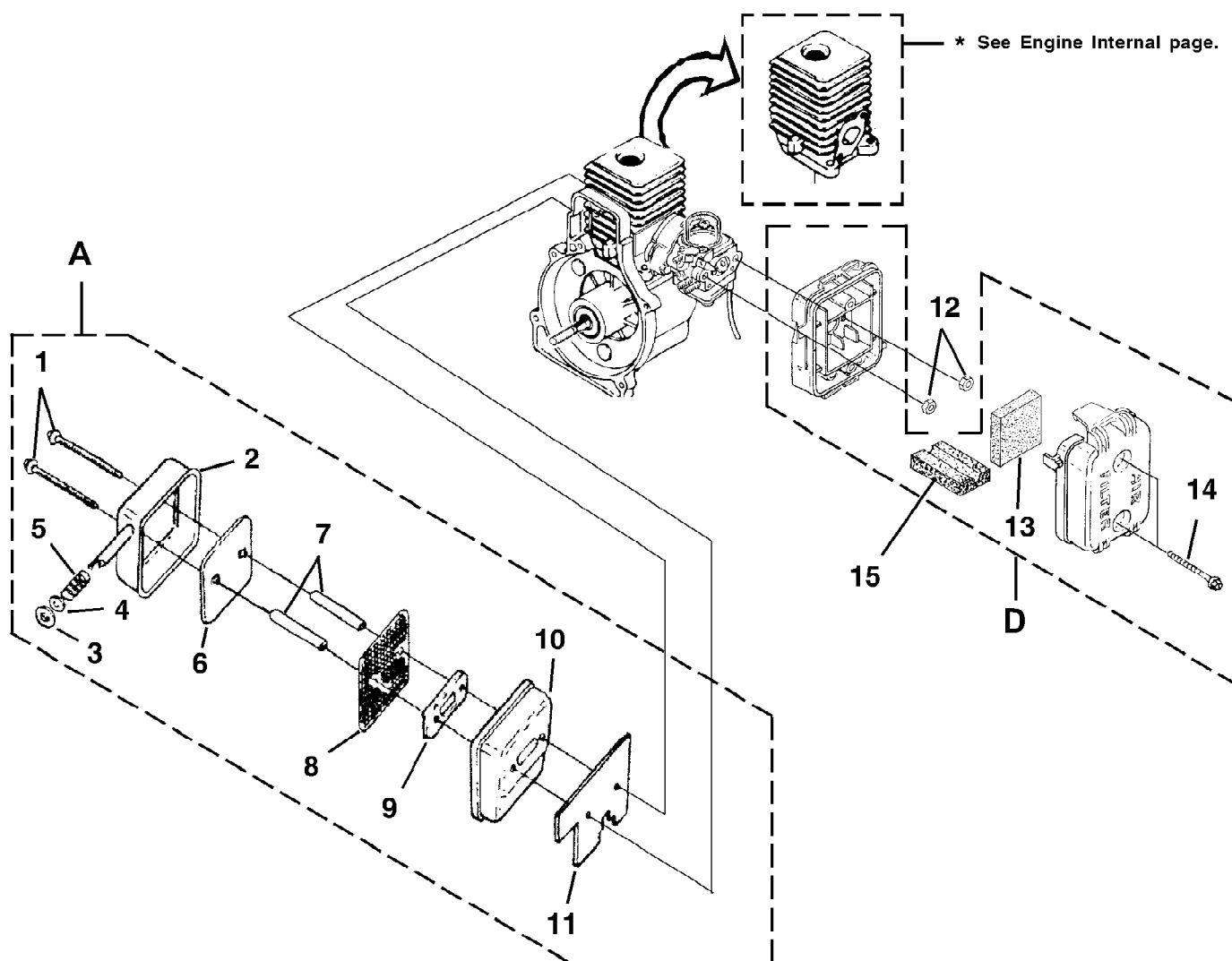
| TORQUE SPECIFICATIONS |               |               |                  |
|-----------------------|---------------|---------------|------------------|
| Item No.              | In/Lbs        | Nm            | Required Loctite |
| 2 .....               | 120-180 ..... | 13.6-20.3     |                  |
| 4 .....               | 30-40 .....   | 3.4-4.5 ..... | 242 Blue         |

BP250(I) Blower UT-08097  
Ignition With Rotor

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| Ref # | Part Number | Qty | S/P/F | Description                                                           |
|-------|-------------|-----|-------|-----------------------------------------------------------------------|
| C     | UP06784     | 1   | /P    | IGNITION KIT w/ Module Includes items 1-2                             |
| 1     | UP03868     | 1   | S/P   | TERMINAL-Hi-Tension                                                   |
| 2     | PSO2227     | 1   |       | SPARK PLUG (RDJ-7Y)                                                   |
| 3     | PA00666     | 1   | S/P   | CABLE-Throttle w/Ignition Leads (Back<br>Packer(TM), BP250I, BP25175) |
| 4     | 82540       | 2   | /P    | SCREW-Thread Form. (8-32 x 1")                                        |
| 5     | 984531001   | 1   | S/P   | ROTOR & STARTER PAWLS                                                 |
| 6     | 95479A      | 1   | /P    | WASHER-Flat                                                           |
| 7     | PSO3566     | 1   |       | SPACER-Fan                                                            |





| TORQUE SPECIFICATIONS |        |         |                  |
|-----------------------|--------|---------|------------------|
| Item No.              | In/Lbs | Nm      | Required Loctite |
| 1 .....               | 40-50  | 4.5-5.6 |                  |
| 12 .....              | 30-40  | 3.4-4.5 |                  |
| 14 .....              | 30-40  | 3.4-4.5 |                  |

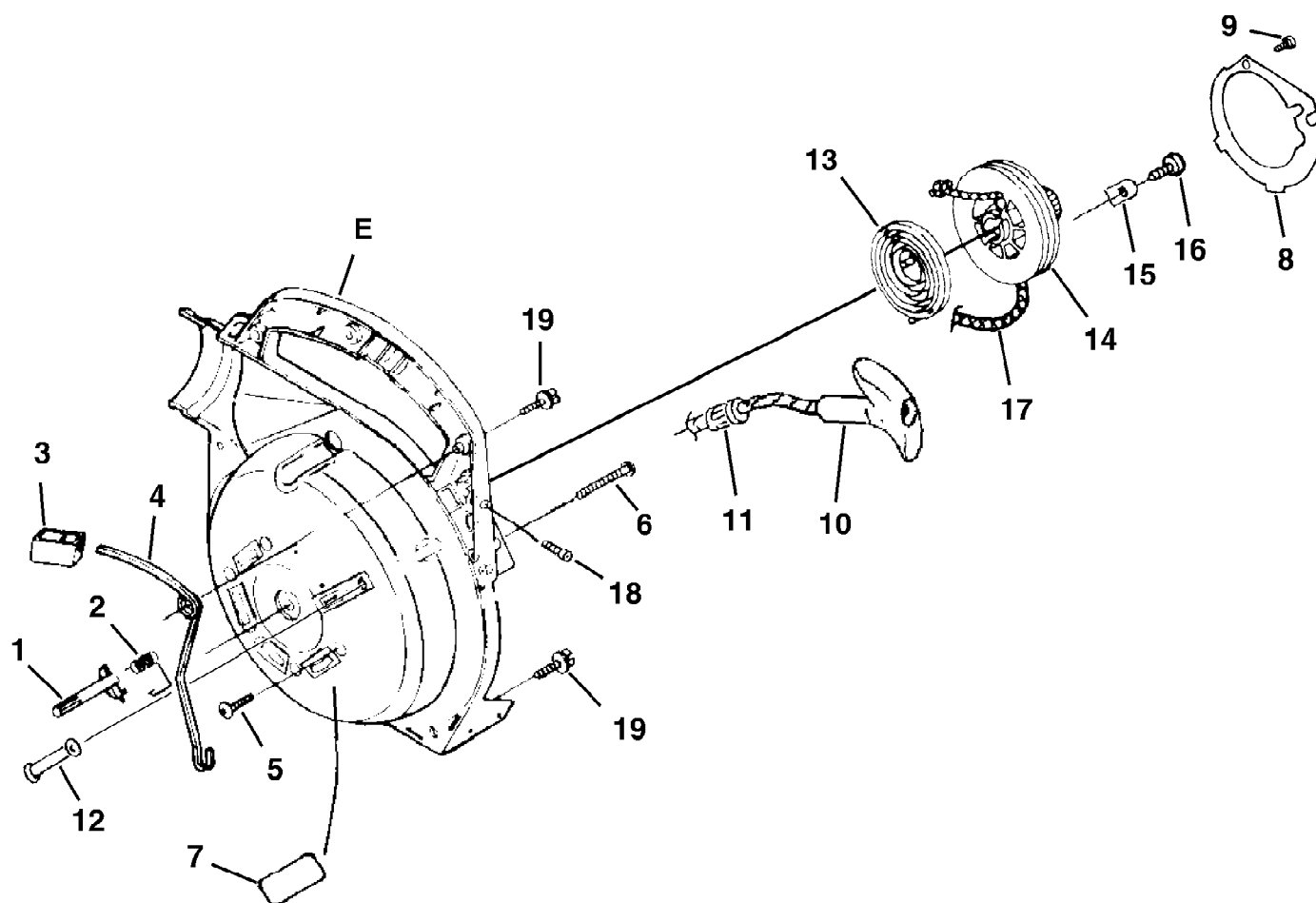
BP250(I) Blower UT-08097  
Muffler And Air Cleaner

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| Ref # | Part Number | Qty | S/P/F | Description                                                    |
|-------|-------------|-----|-------|----------------------------------------------------------------|
| A     | PA01181     | 1   | /P    | MUFFLER-Complete Includes Items 1-11                           |
| 1     | 88060       | 2   | S/P   | SCREW-Sems Hex Hd. (10-24 x 2 1/2")                            |
| 2     | A00366      | 1   | /P    | MUFFLER COVER                                                  |
| 3     | 00381       | 1   | /P    | WASHER-Insulating                                              |
| 4     | 84117       | 1   | /P    | WASHER-Flat                                                    |
| 5     | 00387       | 1   | /P    | SPRING-Compression                                             |
| 6     | 00777       | 1   | /P    | DEFLECTOR-Muffler                                              |
| 7     | 04785       | 2   | /P    | SPACER-Muffler                                                 |
| 8     | 00388B      | 1   | /P    | SCREEN-Spark Arrestor                                          |
| 9     | 98783       | 1   | /P    | PLATE-Reinforcing                                              |
| 10    | 98781       | 1   | S/P   | BODY-Muffler                                                   |
| 11    | 00394B      | 1   | /P    | GASKET-Muffler Also included with Short block & Cylinder Kits. |
| 12    | 81208       | 2   | /P    | NUT-Hex (10-24)                                                |
| D     | UP00011     | 1   | /P    | AIR FILTER KIT Includes items 13-14                            |
| 13    | 98760       | 1   | /P    | AIR FILTER                                                     |
| 14    | 093221      | 2   | S/P   | SCREW-Thd. Form. (#8-16 x 3/4")                                |
| 15    | 04857       | 1   |       | FOAM AIR FILTER Not Used on UT08111 and UT08111A               |

BP250(I) Blower UT-08097  
Starter

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| TORQUE SPECIFICATIONS |             |         |                  |
|-----------------------|-------------|---------|------------------|
| Item No.              | In/Lbs      | Nm      | Required Loctite |
| 5 .....               | 55-60 ..... | 6.2-6.8 |                  |
| 6 .....               | 20-30 ..... | 2.3-3.4 |                  |
| 9 .....               | 8-12 .....  | .9-1.4  |                  |
| 16 .....              | 30-40 ..... | 3.4-4.5 |                  |
| 18 .....              | 20-30 ..... | 2.3-3.4 |                  |
| 19 .....              | 20-30 ..... | 2.3-3.4 |                  |

BP250(I) Blower UT-08097  
Starter

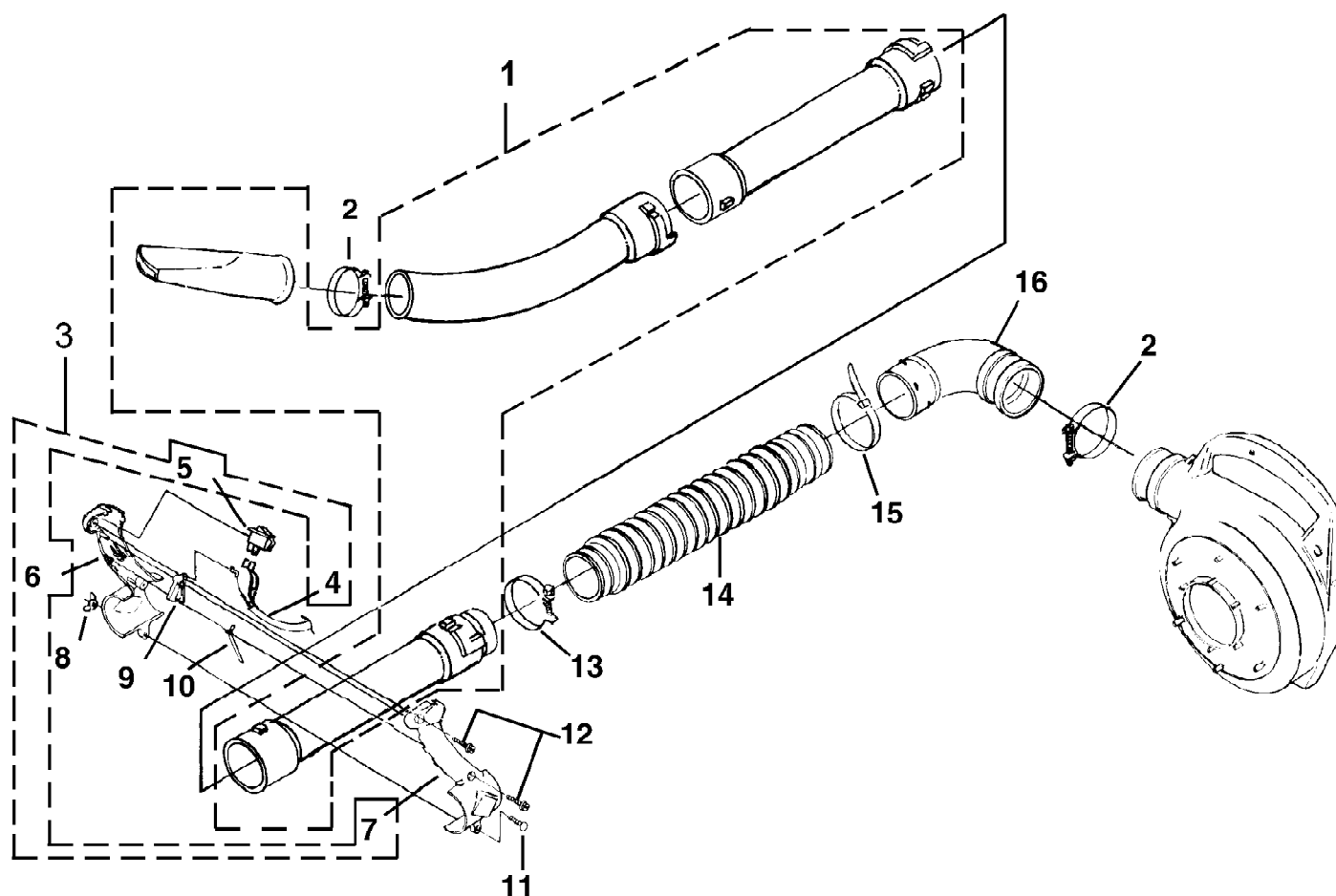
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| Ref # | Part Number | Qty | S/P/F | Description                                                    |
|-------|-------------|-----|-------|----------------------------------------------------------------|
| 1     | 00368A      | 1   | /P    | LATCH-Throttle Not Used on UT08111 and UT08111A                |
| 2     | 00370       | 1   | S/P   | SPRING-Throttle Latch Not Used on UT08111 and UT08111A         |
| 3     | 00367       | 1   | /P    | TRIGGER-Throttle Not Used on UT08111 and UT08111A              |
| 4     | 00369A      | 1   | /P    | LEVER-Throttle Not Used on UT08111 and UT08111A                |
| 5     | 82538       | 4   | /P    | SCREW-Thread Form. (10-24 X 3/4")                              |
| 6     | JA416903    | 1   | /P    | SCREW-Thread Form. (#10 X 1 5/8")                              |
| E     | UP06792A    | 1   | /P    | VOLUTE HOUSING & STARTER Includes items 7-17                   |
| 7     | UP03822A    | 1   | /P    | KIT-Sealing Not Used on UT08111 and UT08111A                   |
| 8     | 00374       | 1   | /P    | PLATE-Rotor                                                    |
| 9     | 82528       | 1   | /P    | SCREW-Thread Form. (#6 X 1 3/8")                               |
| 10    | 5946702     | 1   | S/P   | GRIP-Starter (Yellow) Not Used on UT08111 and UT08111A         |
|       | PSO1200     | 1   |       | GRIP-Starter (Yellow)                                          |
| 11    | 969811A     | 1   | /P    | BUSHING-Starter                                                |
| 12    | 00364B      | 1   | S/P   | GUIDE-Starter Rope                                             |
| 13    | A98773A     | 1   | S/P   | SPRING & CONTAINER                                             |
| 14    | 98770A      | 1   | /P    | PULLEY-Starter                                                 |
| 15    | 98791       | 2   | /P    | BRACKET-Retaining                                              |
| 16    | 82541       | 2   | /P    | SCREW-Thread Form. (#10 X 1/2")                                |
| 17    | 9789901     | 1   | /P    | ROPE-Starter                                                   |
| 18    | PS82146     | 1   | S/P   | SCREW-Phil. Hd. (8-32 X 5/8") Not Used on UT08111 and UT08111A |
| 19    | 82563       | 5   | /P    | SCREW-Thread Form. (10-24 X 3/4")                              |

BP250(I) Blower UT-08097

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Tubes (UT08017L/UT08083/UT08101/UT08122-All & UT08111/UT08097 Before SN MB098)



| TORQUE SPECIFICATIONS |             |         |                  |
|-----------------------|-------------|---------|------------------|
| Item No.              | In/Lbs      | Nm      | Required Loctite |
| 12 .....              | 20-30 ..... | 2.3-3.4 |                  |

BP250(I) Blower UT-08097

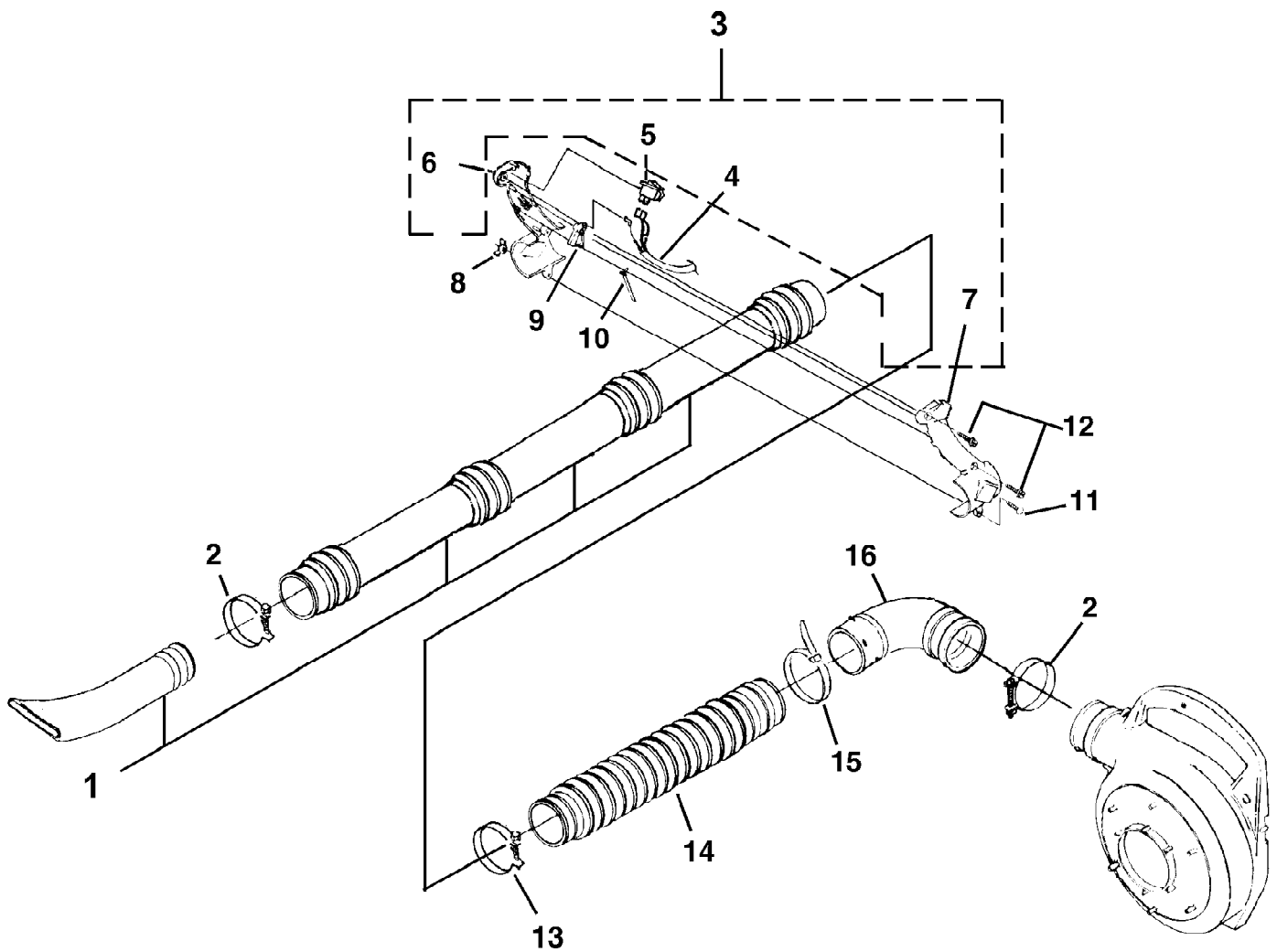
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Tubes (UT08017L/UT08083/UT08101/UT08122-All & UT08111/UT08097 Before SN MB098)

| Ref # | Part Number | Qty | S/P/F | Description                            |
|-------|-------------|-----|-------|----------------------------------------|
| 1     | UP05582A    | 1   | /P    | BLOWER TUBE KIT                        |
| 2     | 00433B      | 2   | S/P   | CLAMP                                  |
| 3     | UP03794A    | 1   | /P    | HANDLE & SWITCH KIT Includes Items 4-7 |
| 4     | PA00666     | 1   | S/P   | CABLE-Throttle w/ Ignition Leads       |
| 5     | 985703001   | 1   | /P    | SWITCH                                 |
| 6     | 03922       | 1   | /P    | HANDLE-Control (Right)                 |
| 7     | 03923       | 1   | S/P   | HANDLE-Control (Left)                  |
| 8     | 81281       | 1   | /P    | NUT - Wing (10-24)                     |
| 9     | 94452B      | 1   | S/P   | TRIGGER                                |
| 10    | 95906A      | 1   | /P    | LATCH-Trigger                          |
| 11    | 82375       | 1   | /P    | BOLT-Rib Neck, Rnd. Hd. (10-24 X 7/8") |
| 12    | 82563       | 2   | /P    | SCREW-Thread Form. (10-14 X 3/4")      |
| 13    | 004331      | 1   | /P    | CLAMP (#87)                            |
| 14    | 01772       | 1   | /P    | BELLOWS-Plastic                        |
| 15    | JA375487    | 1   | S     | CABLE-Tie                              |
| 16    | 01771A      | 1   | S/P   | ELBOW-Curved                           |

BP250(I) Blower UT-08097  
Tubes (UT08111 & UT08097 After SN MB0979999)

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| TORQUE SPECIFICATIONS |             |         |                  |
|-----------------------|-------------|---------|------------------|
| Item No.              | In/Lbs      | Nm      | Required Loctite |
| 12 .....              | 20-30 ..... | 2.3-3.4 |                  |

BP250(I) Blower UT-08097

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Tubes (UT08111 &amp; UT08097 After SN MB0979999)

| Ref # | Part Number | Qty | S/P/F | Description                              |
|-------|-------------|-----|-------|------------------------------------------|
| 1     | UP05582A    | 1   | /P    | BLOWER TUBE KIT                          |
| 2     | 00433B      | 2   | S/P   | CLAMP                                    |
| 3     | UP03794A    | 1   | /P    | HANDLE & SWITCH KIT Includes Items 4-7   |
| 4     | PA00666     | 1   | S/P   | CABLE-Throttle w/ Ignition Leads         |
| 5     | 985703001   | 1   | /P    | SWITCH                                   |
| 6     | 03922       | 1   | /P    | HANDLE-Control (Right)                   |
| 7     | 03923       | 1   | S/P   | HANDLE-Control (Left)                    |
| 8     | 81281       | 1   | /P    | NUT - Wing (10-24)                       |
| 9     | 94452B      | 1   | S/P   | TRIGGER                                  |
| 10    | 95906A      | 1   | /P    | LATCH-Trigger                            |
| 11    | 82375       | 1   | /P    | BOLT-Rib Neck, Rnd. Hd. (10-24 X 7/8")   |
| 12    | 82563       | 2   | /P    | SCREW-Thread Form. (10-14 X 3/4")        |
| 13    | 004331      | 1   | /P    | CLAMP (#87)                              |
| 14    | 01772       | 1   | /P    | BELLOWS-Plastic                          |
| 15    | JA375487    | 1   | S     | CABLE-Tie                                |
| 16    | 01771A      | 1   | S/P   | ELBOW-Curved                             |
| 1     | 985114001   | 1   |       | BLOWER TUBE KIT For UT08111 and UT08111A |
| 2     | 004335      | 1   | /P    | CLAMP For UT08111 and UT08111A           |