FORM NO. 95-9350

TORO

MODEL NO. 40025-80001 & UP

SET-UP AND PARTS CATALOG

RESPIRATOR KIT

for the Multi Pro 1100, 5500 and Workman Vehicles

To assure maximum safety, optimum performance, and to gain knowledge of the product, it is essential that you or any other operator of this Vehicle read and understand the contents of this manual before the engine is ever started. Pay particular attention to the SAFETY INSTRUCTIONS highlighted by the triangular safety alert symbol.

The safety alert symbol means CAUTION, WARNING or DANGER - personal safety instruction. Failure to comply with the instruction may result in personal injury.

SAFETY INSTRUCTIONS

Keep this Operator's Manual in the plastic tube with vehicle manuals.

It is very important that all persons operating this equipment have easy access to these instructions at all times!

Carefully read and follow the "Set-Up" Instructions that are provided with this equipment and the Safety Instructions in the 3M Snapcap Operator's Manual.

RECOGNIZE SAFETY INFORMATION

This safety-alert symbol is used to call attention to a **dangerous** situation, which could result in serious injury or death to the operator or a bystander.

Safety, mechanical and some general information in this manual are emphasized. **DANGER, WARNING** and **CAUTION** identify safety messages. Whenever the triangular safety symbol appears, it is followed by a safety message that must be read and understood. For more details concerning safety, read the Safety Instructions on this page. **IMPORTANT** identifies special mechanical information and **NOTE** identifies general information worthy of special attention.

These instructions are provided as a guide for the safe operation and maintenance of this equipment. However, the operator's personal safety, as well as those persons in the work area, will depend on the careful actions and good judgement of the operator.

To reduce the potential for injury or death, comply with the following safety instructions and the instructions in the 3M Operator's Manuals.

BEFORE OPERATING:

1. Operate this machine only after reading and understanding the contents of this manual and the 3M manuals included in this kit. Replacement manuals are available by sending complete model and serial number to: Hahn Equipment Co., a subsidiary of The Toro Company, 1625 N. Garvin, Evansville, IN 47711.

2. Learn how to operate the Respirator and how to use the controls properly. DO NOT let anyone operate this equipment without first receiving thorough instructions.

3. Keep all shields, safety devices and decals in place. If a shield, safety device or decal is malfunctioning, illegible or damaged, repair or replace it before operating the machine.

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MULTI PRO 1100 SET-UP

NOTE: If installing the Personal Respirator on a Multi Pro 1100 with a Hose Reel or a Operator Enclosure. See the "MULTI PRO 1100 WITH HOSE REEL OR ENCLOSURE SETUP'.

1. Remove Operator's seat.

2. Locate, mark & drill a 1" hole through the Seat Panel and insert (1) Grommet. See FIG. 1.

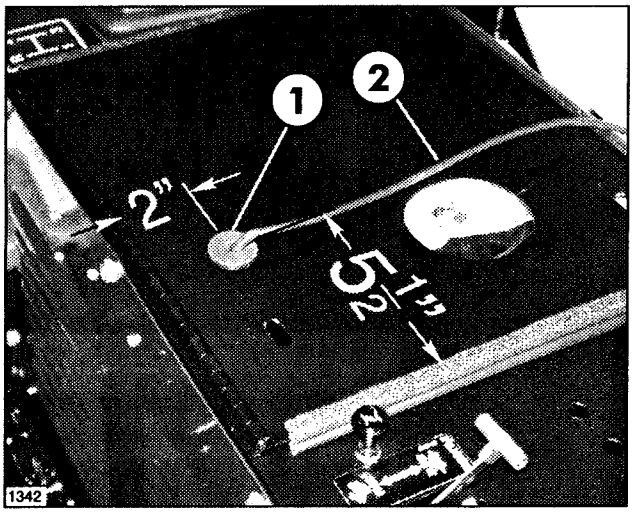


FIG. 1

1. Grommet
2. Respirator Power Cable

3. Push the Respirator Power Cable through the Grommet. Lay Respirator Power Cable across Seat Panel as shown in FIG. 1.

4. Reattach Operator's Seat to Seat Panel with Respirator Cable routed from Grommet out the back of the Operator's Seat.

5. Remove the Manual Tube from back of operator's seat.

6. Attach Respirator Bracket and Vehicle Mount PAPR Assembly to Respirator Plate using (2) 5/16 x 3/4" Flange Screws and (4) 5/16" Flange Nuts. See FIG. 2 & 3.

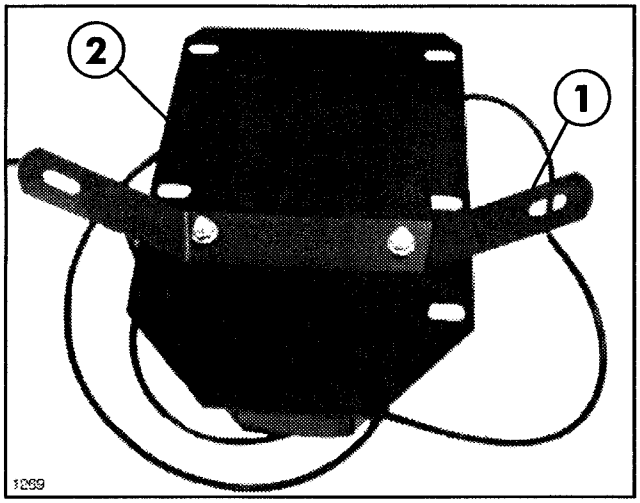


FIG. 2

1. Respirator Bracket
2. Respirator Plate

7. Secure Respirator Assembly to the back of Operator's Seat using (4) 5/16 x 3/4" Flange Screws.

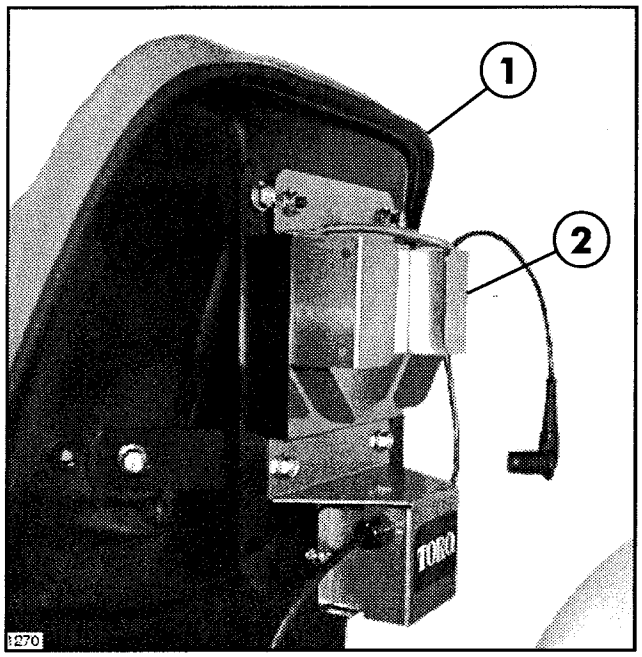


FIG. 3

1. Operator's Seat
2. Vehicle Mount PAPR Assembly

8. Strip 8" of Conduit from the end of the Power Cable to expose red and black wires inside. See FIG. 4.

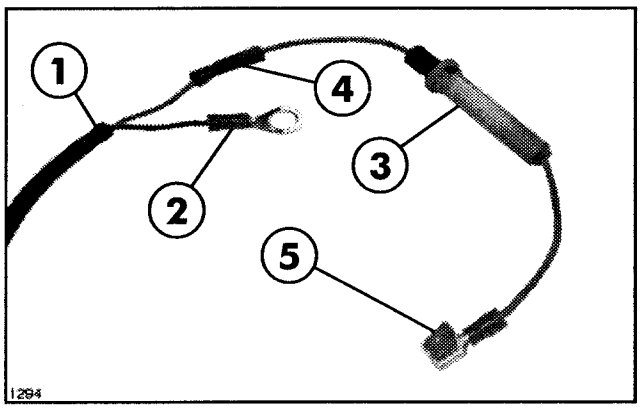


FIG. 4

1. Conduit
2. Ring Terminal
3. In-line Fuse Assembly
4. Butt Splice
5. Male/Female Connector

9. Strip 1/4" of insulation off of the end of the black Ground Wire (black) and attach the Ring Terminal to bare wire.

10. Cut the In-line Fuse wire in center of wire. Strip a 1/4" of insulation from each end.

11. Strip 1/4" of insulation off of the end of the Hot Wire (red) in the Power Cable and attach to end of the In-line Fuse Assembly with the black cap using Butt Splice.

12. Attach Male/Female Connector to the other end of In-line Fuse Assembly.

13. Route Power Cable following Main Vehicle Wire Harness out of Seat Box through "U" shaped bracket and into Steering Console.

14. Attach Ground Wire (black) along with Ignition Ground to the bolt securing the bottom of the L.H. Steering Console Panel to Vehicle Frame. See FIG. 5.

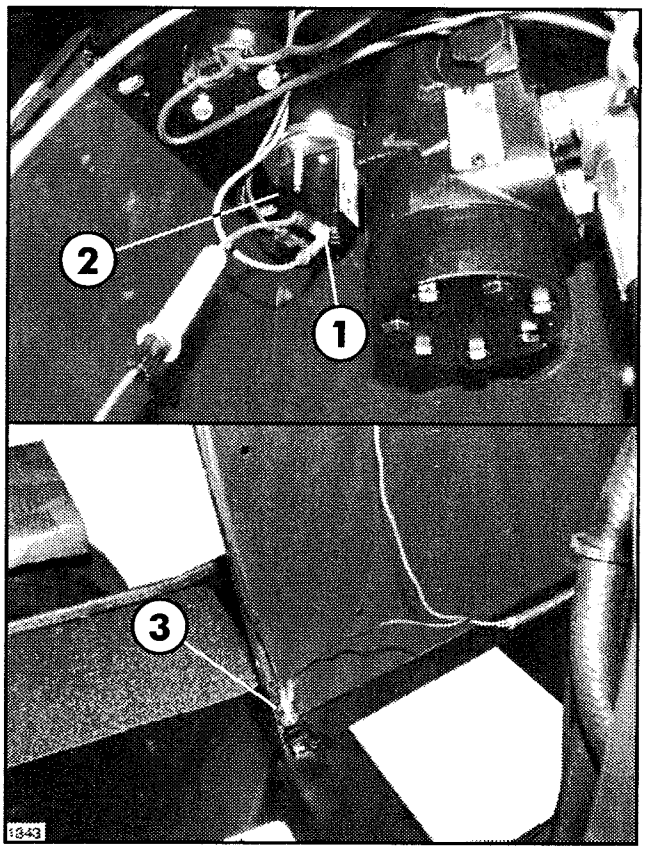


FIG. 5

1. Male/Female Connector
2. Hour Meter
3. Ignition Ground

15. Unplug power wire (green) from Hour Meter and replace with Male/Female Connector on the Hot Wire (red). Plug Hour Meter power wire (green) onto Male/Female Connector. See FIG. 4 & 5.

16. Secure Power Cable to Vehicle's Wire Harness using zip ties provided.

IMPORTANT: Secure Power Cable away from belts and other and moving parts.

17. Attach Hood Hanger and reattach Manual Tube using fasteners, R-clamps and Spacers removed in Step 1. See FIG. 6.

18. Slide the Motor/Blower Unit into the Vehicle Mount PAPR Assembly and secure using Spring on top of Vehicle Mount PAPR Assembly. See FIG. 7.

19. Remove the Inlet and Outlet Plugs from the Motor/Blower Unit and install the Filter and Breathing Tube.

NOTE: Do NOT discard the Inlet and Outlet Plugs they should be reinstalled during cleaning.

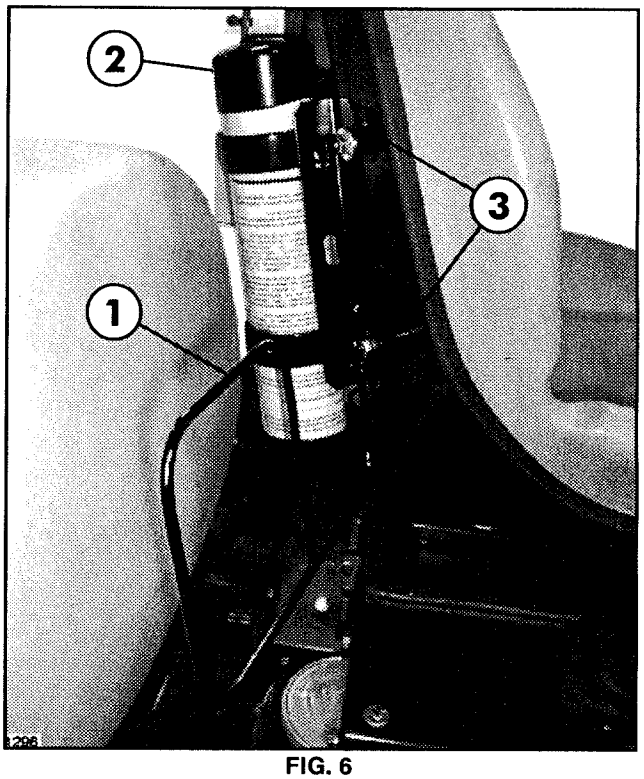


FIG. 6

1. Hood Hanger
2. Manual Tube
3. Spacers

20. Plug Power Plug into receptacle in Motor/Blower Unit.

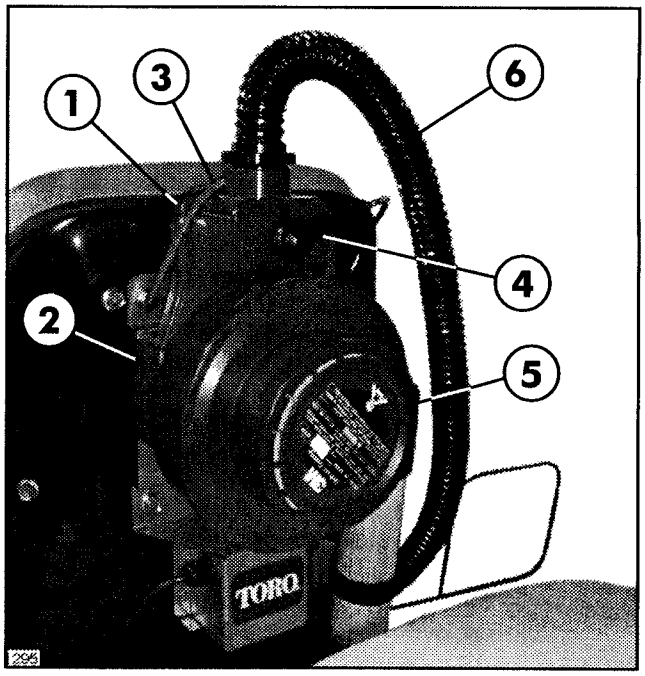


FIG. 7

1. Motor/Blower Unit
2. Vehicle Mount PAPR Assembly
3. Spring
4. Power Plug
5. Filter
6. Breathing Tube

21. Refer to your 3M Snapcap Operator's Manual for instructions regarding assembly of the Snapcap and Head Suspension.

MULTI PRO 1100 WITH ENCLOSURE SET-UP

NOTE: If installing the Personal Respirator on a Multi Pro 1100 without a Operator Enclosure. See the "MULTI PRO 1100 SETUP" or the "MULTI PRO 1100 WITH HOSE REEL SETUP".

NOTE: If installing the Personal Respirator on a Multi Pro 1100 with a Operator Enclosure and a Hose Reel, install the Operator Enclosure and Hose Reel per instructions included with those kits. Install the Respirator Angle in FIG. 1 in same location on top of bracket on the Hose Reel Mounting Assembly.

1. Attach Respirator Angle to the R.H. side of rear ROPS Bar using (2) 3/8 X 1" flange bolts. See FIG. 1.

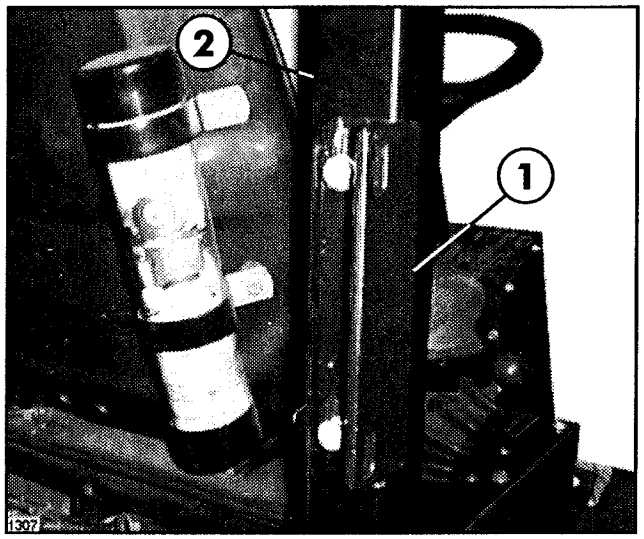


FIG. 1

1. Respirator Angle
2. Rear ROPS Bar

2. Attach Vehicle Mount PAPR Assembly to Respirator Plate using (2) 5/16 x 3/4" flange screws and (4) 5/16" flange nuts. See FIG. 2.

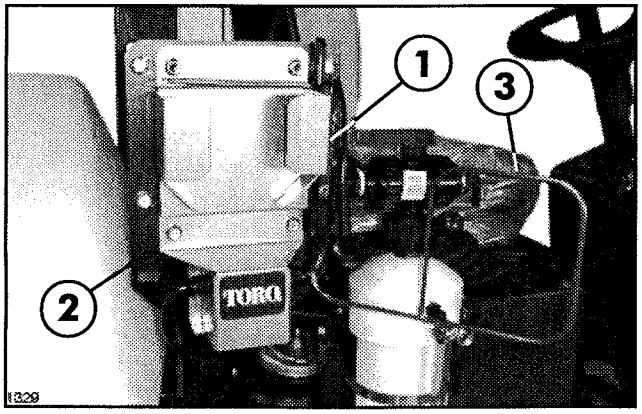


FIG. 2

1. Vehicle Mount PAPR Assembly
2. Respirator Plate
3. Hood Hanger

3. Secure Respirator Assembly to Respirator Angle using (2) 5/16 x 3/4" flange screws and flange nuts.

4. Attach Hood Hanger to front of Respirator Assembly using (2) 5/16 x 3/4" flange screws and flange nuts. See FIG. 2.

5. Route Power Cable down ROPS bar to Vehicle Frame. Follow Steering Hoses forward through "U" shaped brackets and into Steering Console.

6. Strip 8" of Conduit from the end of the Power Cable to expose red and black wires inside. See FIG. 3.

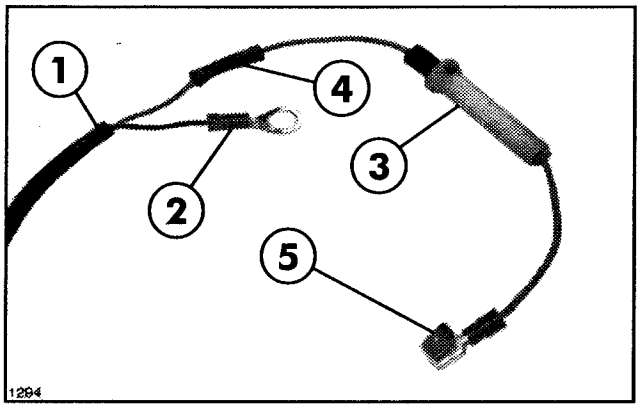


FIG. 3

1. Conduit
2. Ring Terminal
3. In-line Fuse Assembly
4. Butt Splice
5. Male/Female Connector

7. Strip 1/4" of insulation off of the end of the black (ground) wire and attach the Ring Terminal to bare wire.

8. Cut the In-line Fuse wire in center of wire. Strip a 1/4" of insulation from each end.

9. Strip 1/4" of insulation off of the end of the Hot Wire (red) in the Power Cable and attach to end of the In-line Fuse Assembly with the black cap using Butt Splice.

10. Attach Male/Female Connector to the other end of In-line Fuse Assembly.

11. Attach Ground Wire (black) along with Ignition Ground to the bolt securing the bottom of the L.H. Steering Console Panel to Vehicle Frame. See FIG. 4.

12. Unplug power wire (green) from Hour Meter and replace with Male/Female Connector on the Hot Wire (red). Plug Hour Meter power wire (green) onto Male/Female Connector. See FIG. 4 & 5.

13. Secure wires to Steering Hoses using zip ties provided.

IMPORTANT: Secure Power Cable away from belts and other and moving parts.

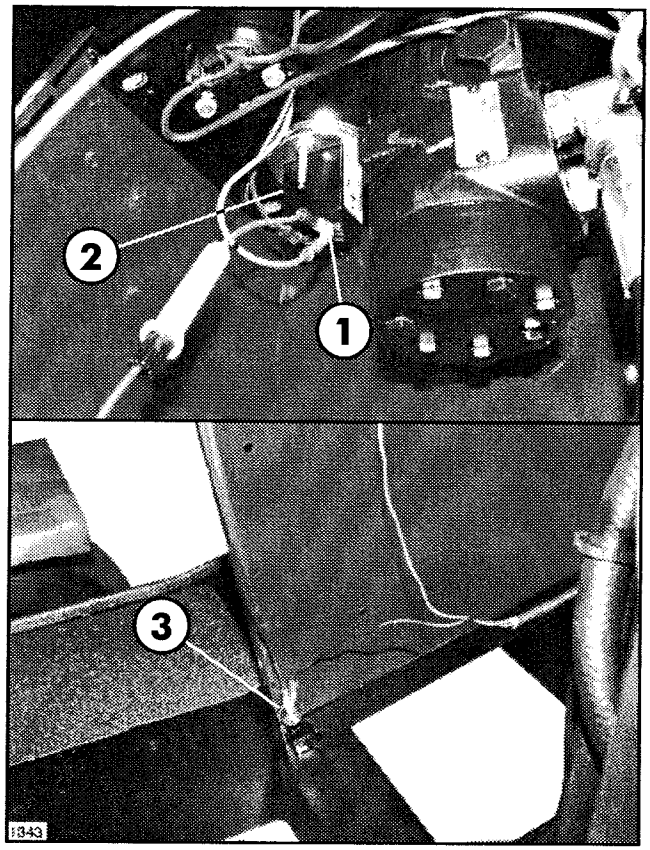


FIG. 4

1. Male/Female Connector
2. Hour Meter
3. Ignition Ground

14. Slide the Motor/Blower Unit into the Vehicle Mount PAPR Assembly and secure using Spring on top of Vehicle Mount PAPR Assembly. See FIG. 5.

15. Remove the Inlet and Outlet Plugs from the Motor/Blower Unit and install the Filter and Breathing Tube.

NOTE: Do NOT discard the Inlet and Outlet Plugs they should be reinstalled during cleaning.

16. Plug Power Plug into receptacle in Motor/Blower Unit.

17. Refer to your 3M Snapcap Operator's Manual for instructions regarding assembly of the Snapcap and Head Suspension.

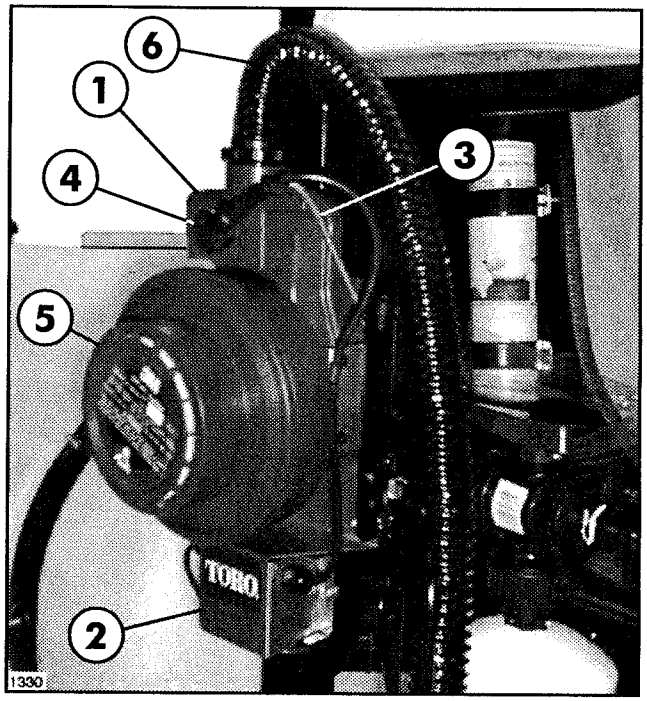


FIG. 5

1. Motor/Blower Unit
2. Vehicle Mount PAPR Assembly
3. Spring
4. Power Plug
5. Filter
6. Breathing Tube

MULTI PRO 1100 WITH HOSE REEL SET-UP

NOTE: If installing the Personal Respirator on a Multi Pro 1100 without a Hose Reel. See the "MULTI PRO 1100 SETUP".

1. Install the Hose Reel Kit as per the instructions included with that kit.

2. Locate, mark and drill (2) 11/32" diameter holes through both walls of the tube on the L.H. side of the Hose Reel Mounting Assembly. See FIG. 1.

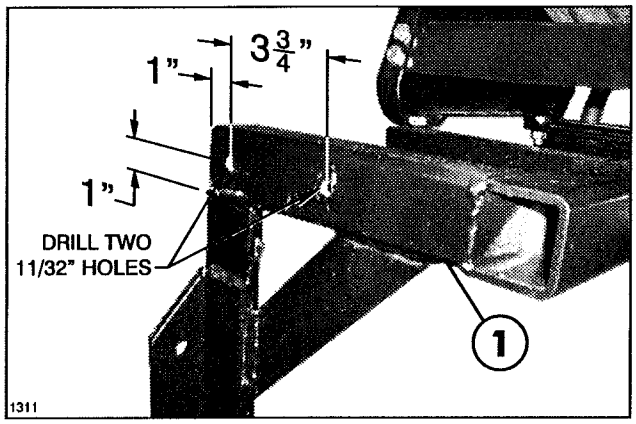


FIG. 1
1. Hose Reel Mounting Assembly

3. Attach Backing Plate, Respirator Strap and Hood Hanger to Vehicle Mount PAPR Assembly using (4) 5/16 x 3/4" Flange Screws and Flange Nuts. See FIG. 2.

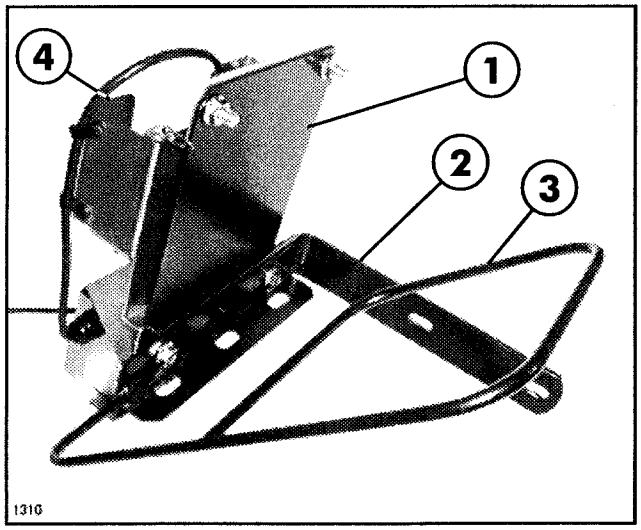


FIG. 2
1. Backing Plate
2. Respirator Strap
3. Hood Hanger
4. Vehicle Mount PAPR

4. Attach Respirator Assembly to the Hose Reel Mounting Assembly using (2) 5/16" X 3" flange bolts and flange nuts. See FIG. 3.

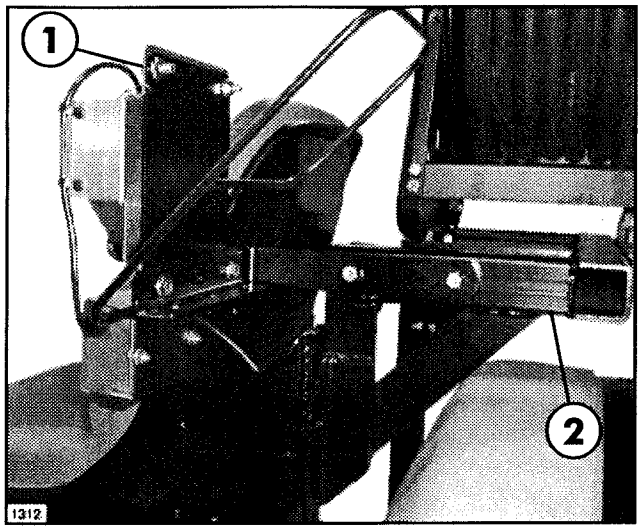


FIG. 3
1. Respirator Ass'y
2. Hose Reel Mounting Assembly

5. Route Power Cable down to Vehicle Frame along L.H. Hose Reel Leg, secure using (2) zip ties.

6. Continue routing Power Cable following Main Vehicle Wire Harness through "U" shaped bracket up into Steering Console.

7. Strip 8" of Conduit from the end of the Power Cable to expose red and black wires inside. See FIG. 4.

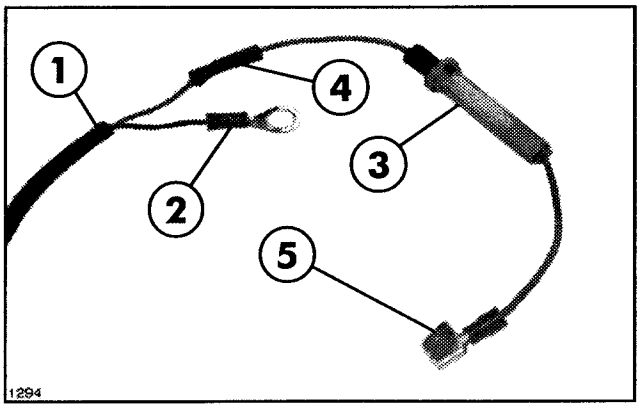


FIG. 4
1. Conduit
2. Ring Terminal
3. In-line Fuse Assembly
4. Butt Splice
5. Male/Female Connector

8. Strip 1/4" of insulation off of the end of the black (ground) wire and attach the Ring Terminal to bare wire.

9. Cut the In-line Fuse wire in center of wire. Strip a 1/4" of insulation from each end.

10. Strip 1/4" of insulation off of the end of the Hot Wire (red) in the Power Cable and attach to end of the In-line Fuse Assembly with the black cap using Butt Splice.

11. Attach Male/Female Connector to the other end of In-line Fuse Assembly.

IMPORTANT: Secure Power Cable away from belts and other and moving parts.

12. Attach Ground Wire (black) along with Ignition Ground to the bolt securing the bottom of the L.H. Steering Console Panel to Vehicle Frame. See FIG. 5.

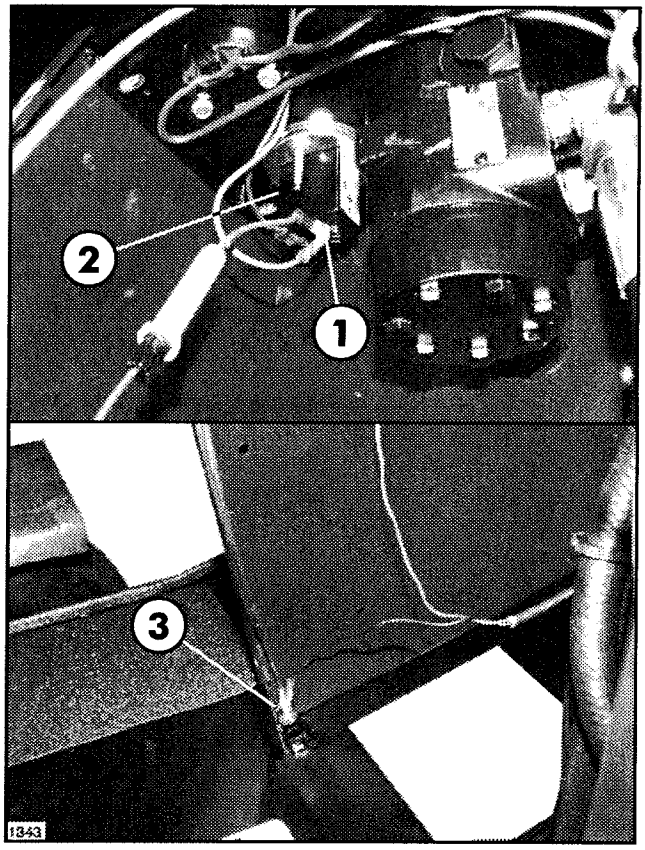


FIG. 5

1. Male/Female Connector
2. Hour Meter
3. Ignition Ground

13. Unplug power wire (green) from Hour Meter and replace with Male/Female Connector on the Hot Wire (red). Plug Hour Meter power wire (green) onto Male/Female Connector. See FIG. 4 & 5.

14. Secure Power Cable to Vehicle's Wire Harness using zip ties provided.

IMPORTANT: Secure Power Cable away from belts and other and moving parts.

15. Slide the Motor/Blower Unit into the Vehicle Mount PAPR Assembly and secure using Spring on top of Vehicle Mount PAPR Assembly. See FIG. 6.

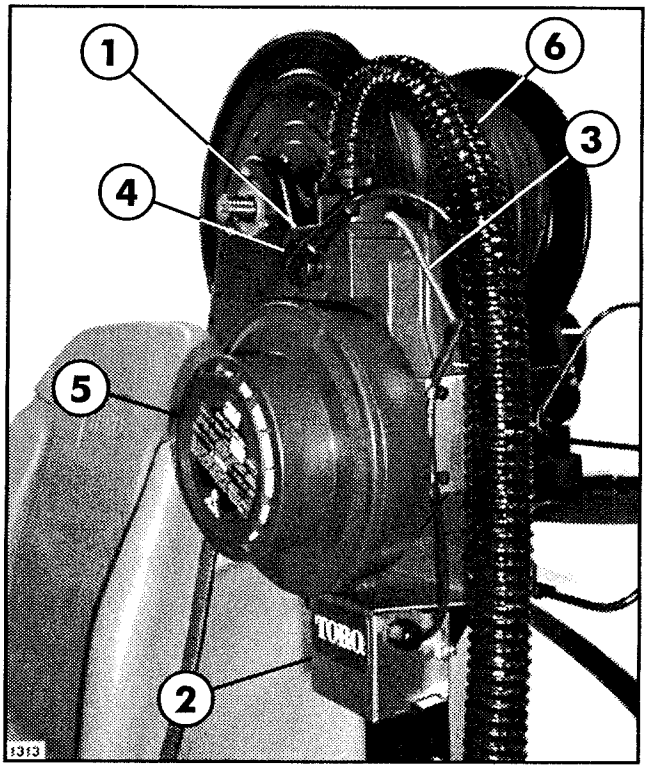


FIG. 6

1. Motor/Blower Unit
2. Vehicle Mount PAPR Assembly
3. Spring
4. Power Plug
5. Filter
6. Breathing Tube

16. Remove the Inlet and Outlet Plugs from the Motor/Blower Unit and install the Filter and Breathing Tube.

NOTE: Do NOT discard the Inlet and Outlet Plugs they should be reinstalled during cleaning.

17. Plug Power Plug into receptacle in Motor/Blower Unit.

18. Refer to your 3M Snapcap Operator's Manual for instructions regarding assembly of the Snapcap and Head Suspension.

MULTI PRO 5500 SET-UP

NOTE: If installing the Personal Respirator on a Multi Pro 5500 with a Cab. See the "MULTI PRO 5500 WITH CAB SETUP".

1. Remove Operator's seat.

2. Locate, mark & drill a 1" hole through the Seat Panel and insert (1) Grommet. See FIG. 1.

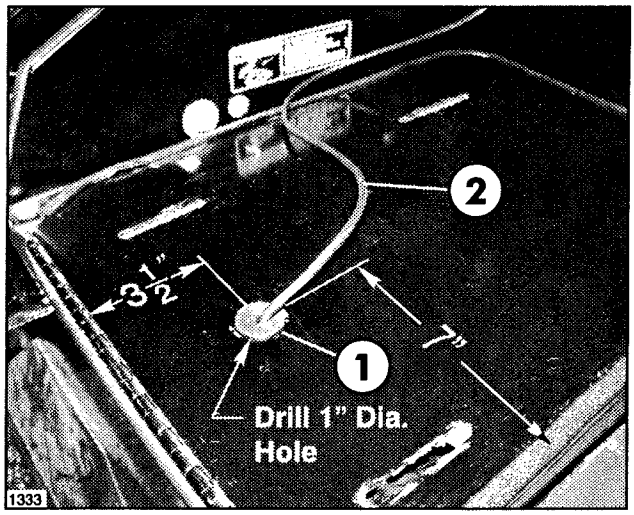


FIG. 1

1. Grommet
2. Respirator Power Cable

3. Push the Respirator Power Cable through the Grommet. Lay Respirator Power Cable across Seat Panel as shown in FIG. 1.

4. Reattach Operator's Seat to Seat Panel with Respirator Cable routed from Grommet out the R.H. side of Operator's Seat. See FIG. 2.

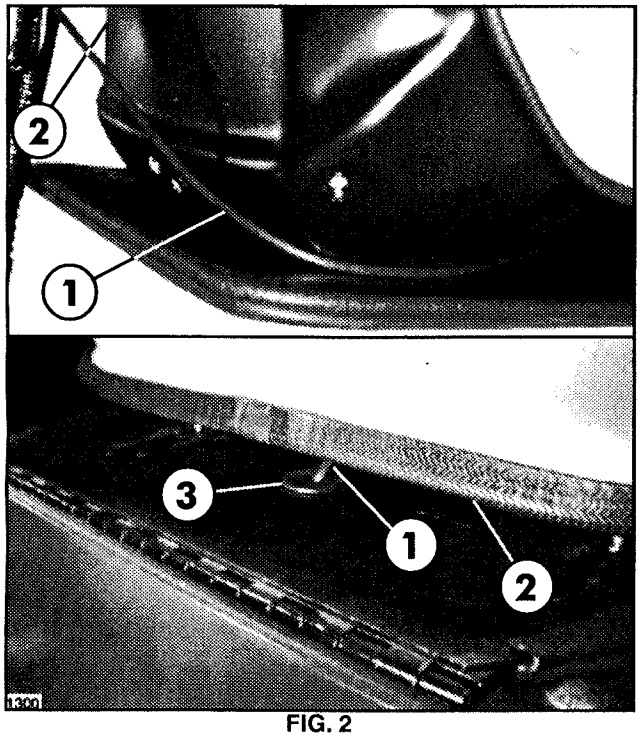


FIG. 2

1. Respirator Power Cable
2. Operator's Seat
3. Grommet

5. Attach Respirator Bracket and Vehicle Mount PAPR Assembly to Respirator Plate using (2) 5/16 x 3/4" Flange Screws and (4) 5/16" Flange Nuts. See FIG. 3 & 4.

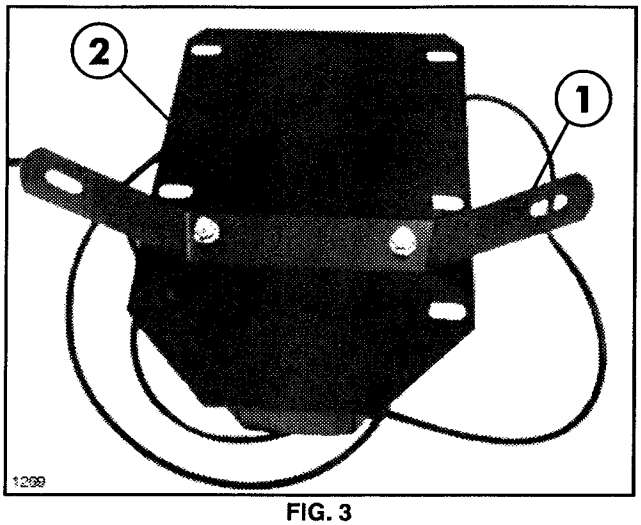


FIG. 3

1. Respirator Bracket
2. Respirator Plate

6. Secure Respirator Assembly to the back of Operator's Seat using (4) 5/16 x 3/4" Flange Screws. See FIG. 4.

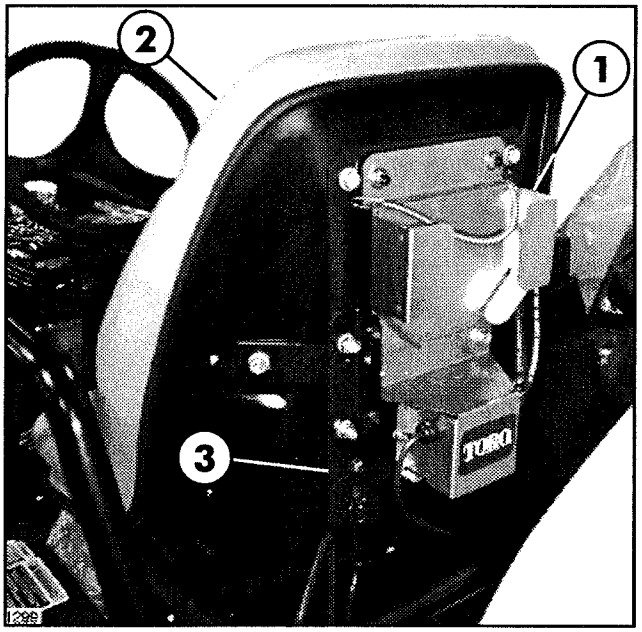


FIG. 4

1. Vehicle Mount PAPR Assembly
2. Operator's Seat
3. Hood Hanger

7. Attach Hood Hanger to L.H. side of Respirator Plate using (2) 5/16 x 3/4" flange screws and flange nuts.

8. Strip 5" of Conduit from the end of the Power Cable to expose red and black wires inside. See FIG. 5.

9. Strip 1/4" of insulation off of the end of the Ground Wire (black) and attach the Spade Terminal to bare wire.

10. Cut the In-line Fuse wire in center of wire. Strip 1/4" of insulation from each end.

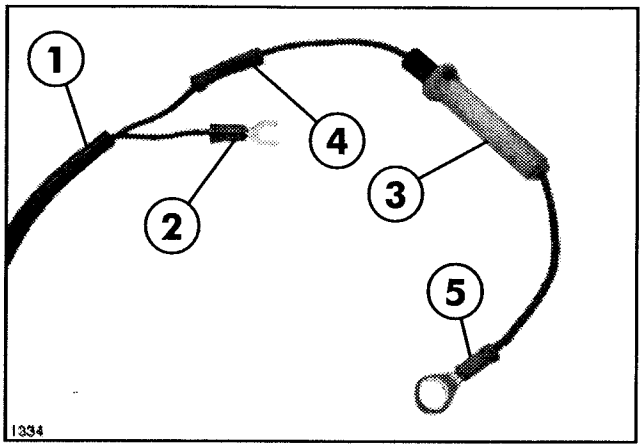


FIG. 5

1. Conduit
2. Spade Terminal
3. In-line Fuse Assembly
4. Butt Splice
5. Ring Terminal

11. Strip 1/4" of insulation off of the end of the Hot Wire (red) in the Power Cable and attach to end of the In-line Fuse Assembly with the black cap using Butt Splice.

12. Attach Ring Terminal to the other end of In-line Fuse Assembly.

13. Route Power Cable along front of Seat Box and secure to Wiring Harness using (2) zip ties. See Fig. 6.

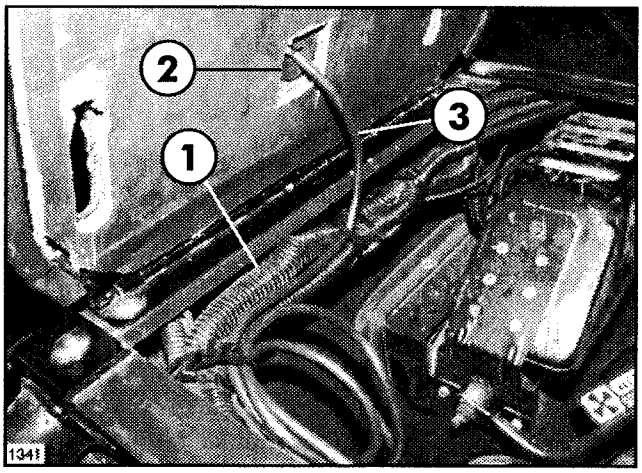


FIG. 6

1. Wire Harness
2. Grommet
3. Respirator Power Cable

14. Route Power Cable under Fuse Box and attach Spade Terminal on Ground Wire (black) to Ground Terminal Block. See FIG. 7.

15. Attach Ring Terminal on Hot Wire to switched post on Accessory Solenoid along with green/red wire from Vehicle Harness.

16. Coil up excess Power Cable and zip tie to Wire Harness in front L.H. corner of Seat Box as shown in FIG. 6.

IMPORTANT: Secure Power Cable away from belts and other and moving parts.

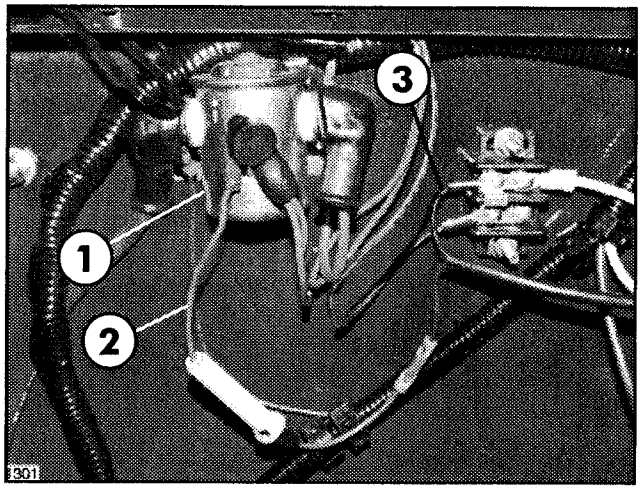


FIG. 7

1. Accessory Solenoid
2. Hot Wire (red)
3. Ground Wire (black)

17. Slide the Motor/Blower Unit into the Vehicle Mount PAPR Assembly and secure using Spring on top of Vehicle Mount PAPR Assembly. See FIG. 8.

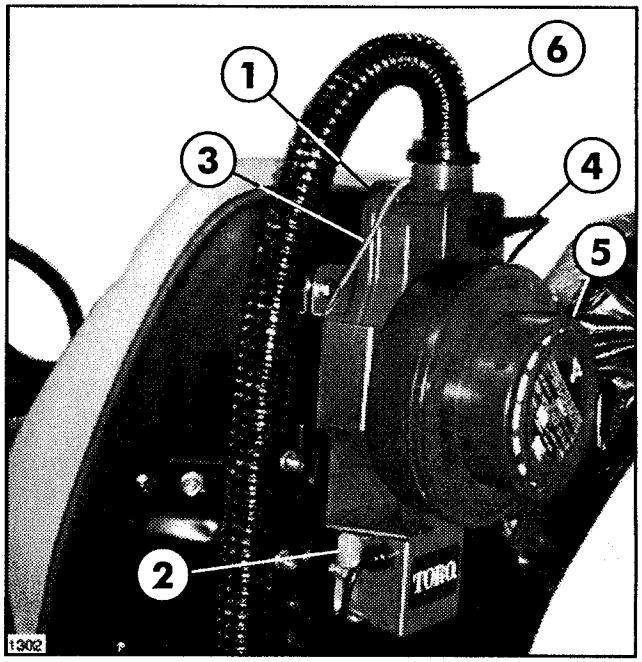


FIG. 8

1. Motor/Blower Unit
2. Vehicle Mount PAPR Assembly
3. Spring
4. Power Plug
5. Filter
6. Breathing Tube

18. Remove the Inlet and Outlet Plugs from the Motor/Blower Unit and install the Filter and Breathing Tube.

NOTE: Do NOT discard the Inlet and Outlet Plugs they should be reinstalled during cleaning.

19. Plug Power Plug into receptacle in Motor/Blower Unit.

20. Refer to your 3M Snapcap Operator's Manual for instructions regarding assembly of the Snapcap and Head Suspension.

MULTI PRO 5500 WITH CAB SET-UP

NOTE: If installing the Personal Respirator on a Multi Pro 5500 without a Cab. See the "MULTI PRO 5500 SETUP'.

1. Locate, mark & drill a 1" hole through back of the Center Console and insert (1) Grommet. See FIG. 1.

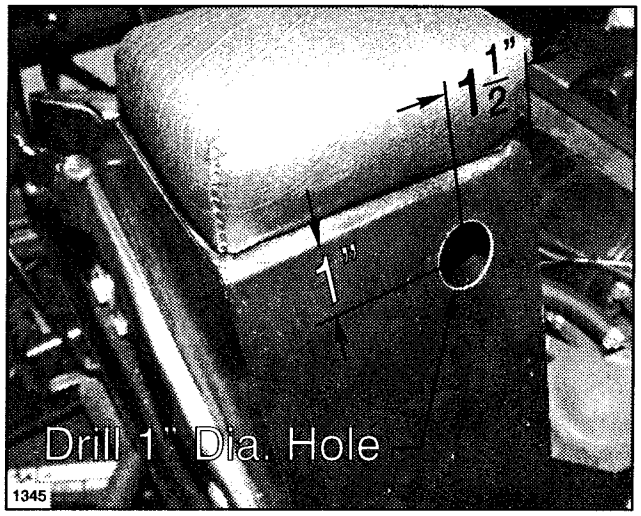


FIG. 1

2. Locate, mark and drill (2) 11/32" holes in Rear Cab Panel as shown in FIG. 2. L.H. hole should be in line with Rear Window Mounting Bolt.

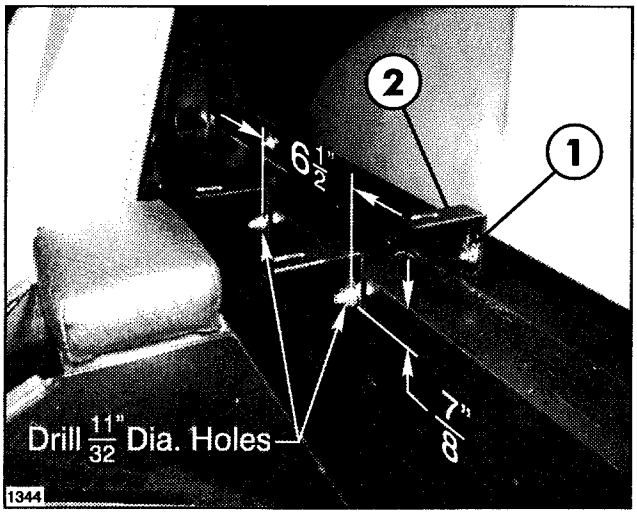


FIG. 2

1. Rear Window Mounting Bolt
2. Backing Angle

3. Attach (1) Backing Angle to the Rear Cab Panel using Rear Window Mounting Bolt and nut. Attach (2) Backing Angles to rear Cab Panel using (2) 5/16 x 3/4" flange bolts and nuts. See FIG. 2.

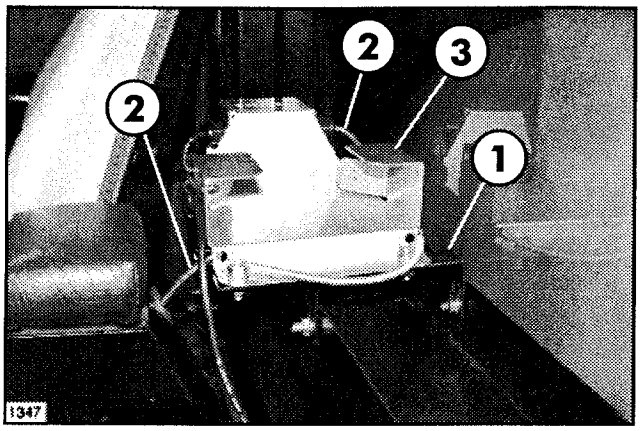


FIG. 3

1. Backing Angle
2. Power Cable
3. Vehicle Mount PAPR Assembly

4. Secure Vehicle Mount PAPR Assembly to Backing Angles using (3) 5/16 x 3/4" flange screws and flange nuts. See FIG. 3.

5. Route Power Cable under Vehicle Mount PAPR Assembly and thread through Grommet into Center Console. Route Power Cable, following Vehicle Wire Harness, down into Seat Box and over to Accessory Solenoid. See FIG. 4 & 6.

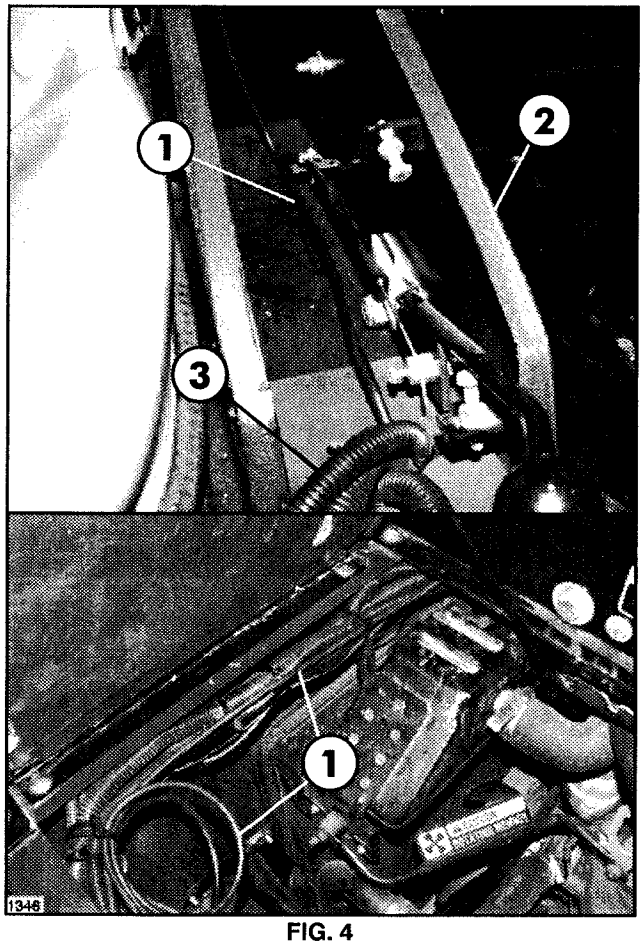


FIG. 4

1. Power Cable
2. Center Console
3. Vehicle Wire Harness

6. Strip 5" of Conduit from the end of the Power Cable to expose red and black wires inside. See FIG. 5.

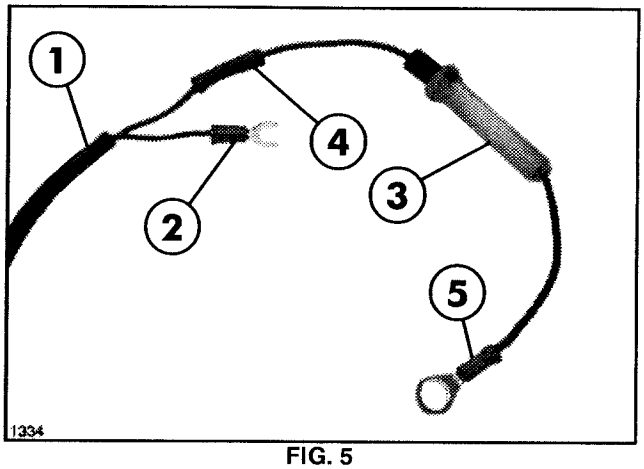


FIG. 5

1. Conduit
2. Spade Terminal
3. In-line Fuse Assembly
4. Butt Splice
5. Ring Terminal

7. Strip 1/4" of insulation off of the end of the Ground Wire (black) and attach the Spade Terminal to bare wire.

8. Cut the In-line Fuse wire in center of wire. Strip a 1/4" of insulation from each end.

9. Strip 1/4" of insulation off of the end of the Hot Wire (red) in the Power Cable and attach to end of the In-line Fuse Assembly with the black cap using Butt Splice.

10. Attach Ring Terminal to the other end of In-line Fuse Assembly.

11. Route Power Cable under Fuse Block and attach Spade Terminal on Ground Wire (black) to Ground Terminal Block. See FIG. 6.

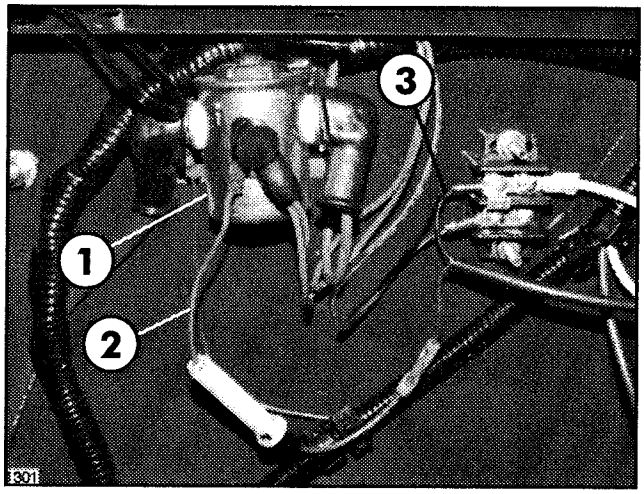


FIG. 6

1. Accessory Solenoid
2. Hot Wire (red)
3. Ground Wire (black)

12. Attach Ring Terminal on Hot Wire to switched post on Accessory Solenoid along with green/red wire from Vehicle Harness.

13. Coil up excess Power Cable and zip tie to Wire Harness in front L.H. corner of Seat Box as shown in FIG. 4.

IMPORTANT: Secure Power Cable away from belts and other and moving parts.

14. Slide the Motor/Blower Unit into the Vehicle Mount PAPR Assembly and secure using Spring on top of Vehicle Mount PAPR Assembly. See FIG. 7.

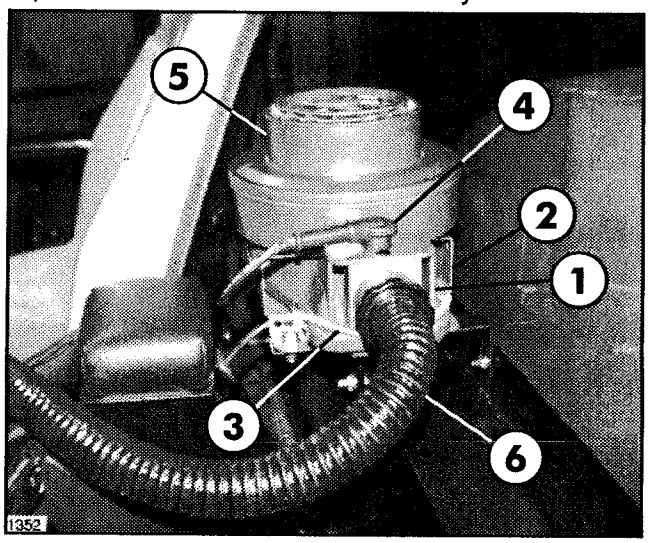


FIG. 7

1. Motor/Blower Unit
2. Vehicle Mount PAPR Assembly
3. Spring
4. Power Plug
5. Filter
6. Breathing Tube

15. Remove the Inlet and Outlet Plugs from the Motor/Blower Unit and install the Filter and Breathing Tube.

NOTE: Do NOT discard the Inlet and Outlet Plugs they should be reinstalled during cleaning.

16. Plug Power Plug into receptacle in Motor/Blower Unit.

17. Refer to your Snapcap Operator's Manual for instructions regarding assembly of the Snapcap and Head Suspension.

WORKMAN SET-UP

NOTE: If installing the Personal Respirator on a Workman with a Cab. See the "WORKMAN WITH CAB SETUP".

1. Attach Vehicle Mount PAPR Assembly to Respirator Plate using (2) 5/16 x 3/4" Flange Screws and (4) 5/16" Flange Nuts. See FIG. 1.

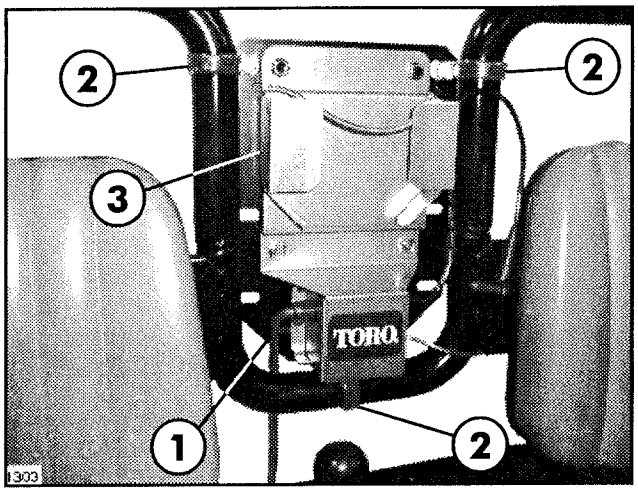


FIG. 1

1. Respirator Plate
2. R-Clamp
3. Vehicle Mount PAPR Assembly

2. Secure Respirator Assembly to the center of Seatback Support using (3) 5/16 x 3/4" flange screws, flange nuts and R-Clamps.

3. Route Power Cable behind Seat Back Support and down back of Seat Box. Route following Brake line to front of vehicle and up through floorboard. See FIG. 2.

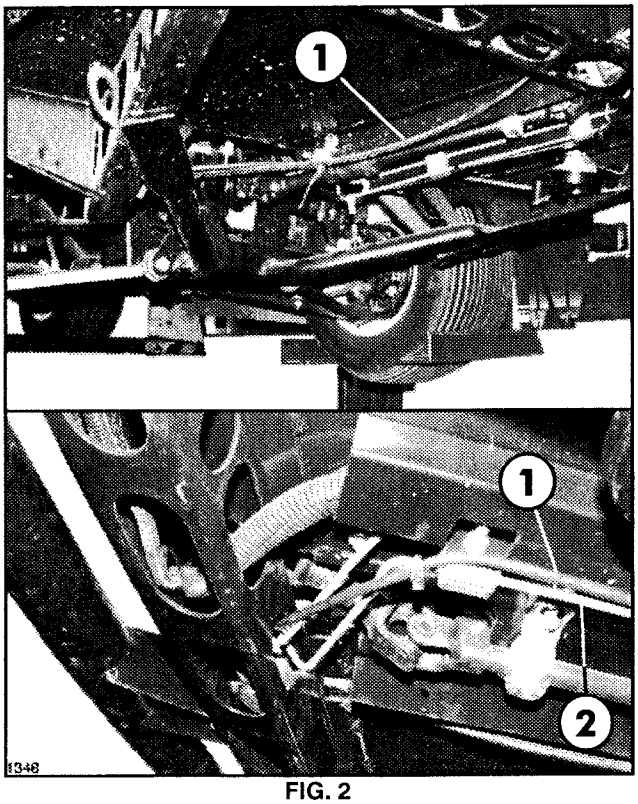


FIG. 2

1. Power Cable
2. Brake Line

4. Strip 5" of Conduit from the end of the Power Cable to expose red and black wires inside. See FIG. 3.

5. Strip 1/4" of insulation off of the end of the Ground Wire (black) and attach the Ring Terminal to bare wire.

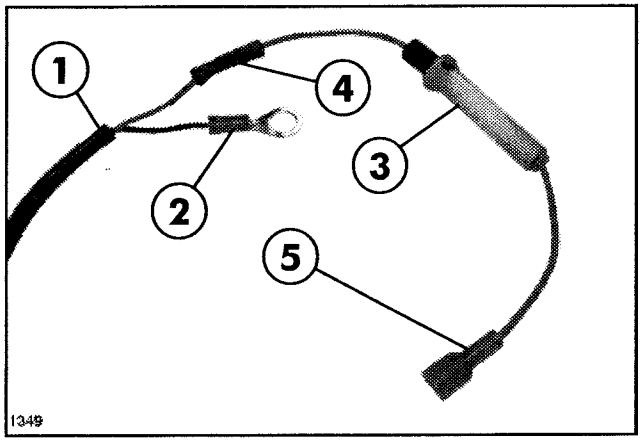


FIG. 3

1. Conduit
2. Ring Terminal
3. In-line Fuse Assembly
4. Butt Splice
5. Female Connector

6. Cut the In-line Fuse wire in center of wire. Strip 1/4" of insulation from each end.

7. Strip 1/4" of insulation off of the end of the Hot Wire (red) in the Power Cable and attach to end of the In-line Fuse Assembly with the black cap using Butt Splice.

8. Attach Female Connector to the other end of In-line Fuse Assembly.

9. Route Power cable over to Accessory Fuse Box. Connect Ring Terminal on Ground Wire (black) to Ground Terminal Bolt and connect Female Connector on Hot Wire to a wire from Fuse Block.

10. Insert 20 Amp Fuse into the corresponding slot of the Fuse Block.

11. Secure Power Cable as needed using zip ties.

IMPORTANT: Secure Power Cable away from belts and other and moving parts.

12. Attach Hood Hanger using (2) R-Clamps, 5/16 x 3/4" flange bolts and flange nuts. See FIG. 4.

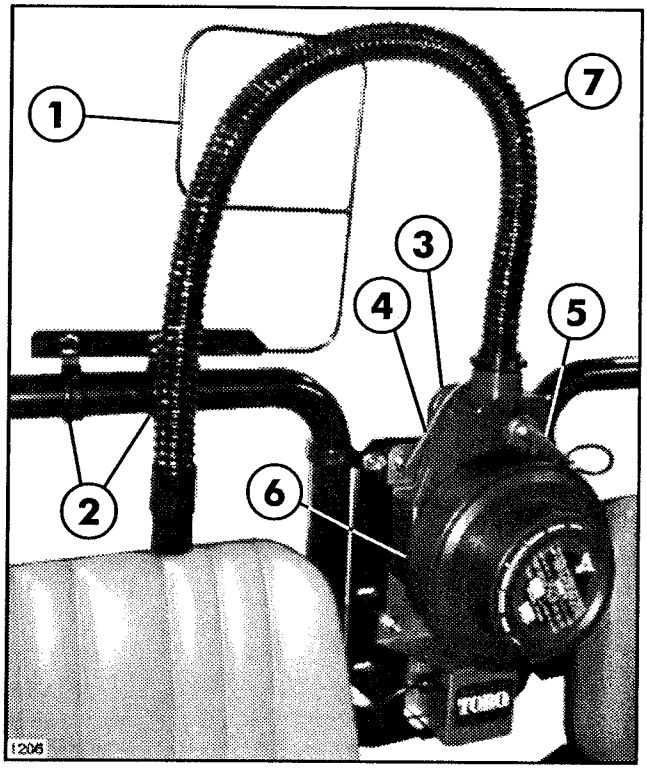


FIG. 4

1. Hood Hanger
2. R-Clamps
3. Motor/Blower Unit
4. Spring
5. Power Plug
6. Filter
7. Breathing Tube

13. Slide the Motor/Blower Unit into the Vehicle Mount PAPR Assembly and secure using Spring on top of Vehicle Mount PAPR Assembly. See FIG. 4.

14. Remove the Inlet and Outlet Plugs from the Motor/Blower Unit and install the Filter and Breathing Tube.

NOTE: Do NOT discard the Inlet and Outlet Plugs they should be reinstalled during cleaning.

15. Plug Power Plug into receptacle in Motor/Blower Unit.

16. Refer to your Snapcap Operator's Manual for instructions regarding assembly of the Snapcap and Head Suspension.

WORKMAN WITH CAB SET-UP

NOTE: If installing the Personal Respirator on a Workman without a Cab. See the "WORKMAN SETUP".

1. Locate, mark and drill (4) 5/16" diameter holes in the rear Cab Panel. See FIG. 1 (dimensions are from top and L.H. side bends in rear Cab Panel.

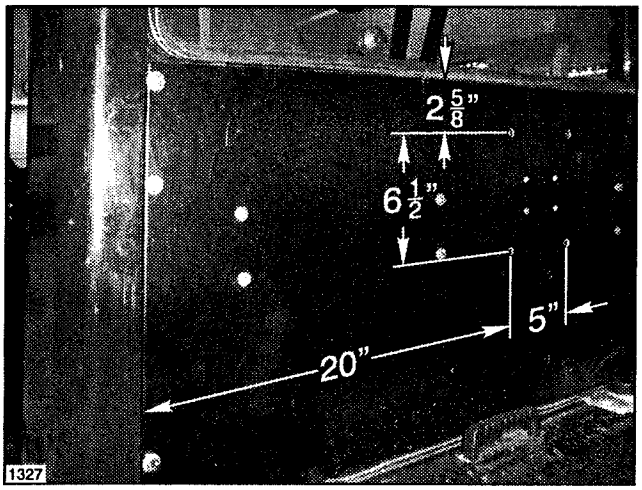


FIG. 1

2. Secure Vehicle Mount PAPR Assembly to the center of rear Cab Panel using (4) 1/4 x 3" flange screws, spacers and flange nuts. See FIG. 2

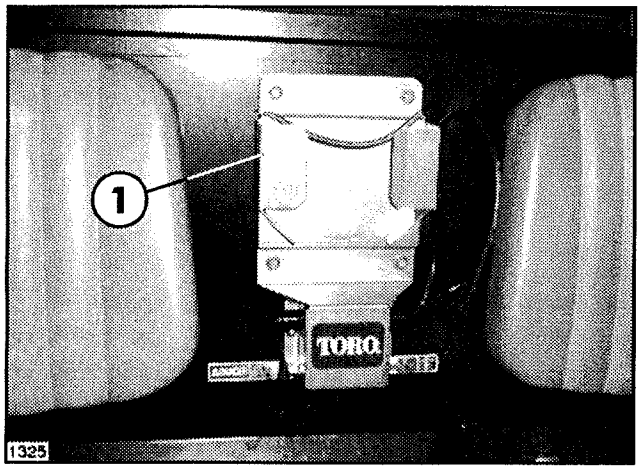


FIG. 2

1. Vehicle Mount PAPR Assembly

3. Push Power Cable under Rear Seal at the bottom of back wall. See FIG. 3.

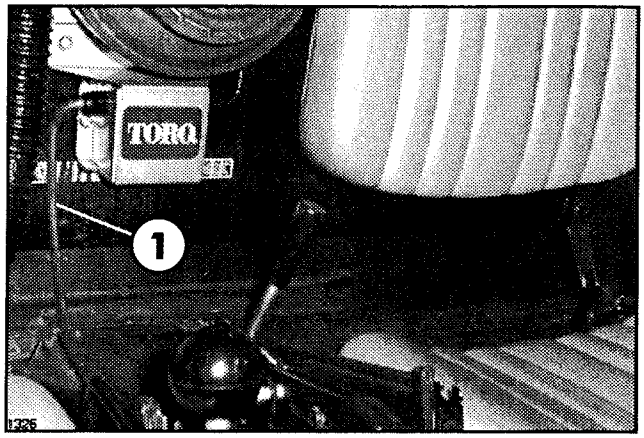


FIG. 3

1. Power Cable

4. Route Power Cable down back of Seat Box. Route following Brake line to front of vehicle and up through floorboard. See FIG. 4.

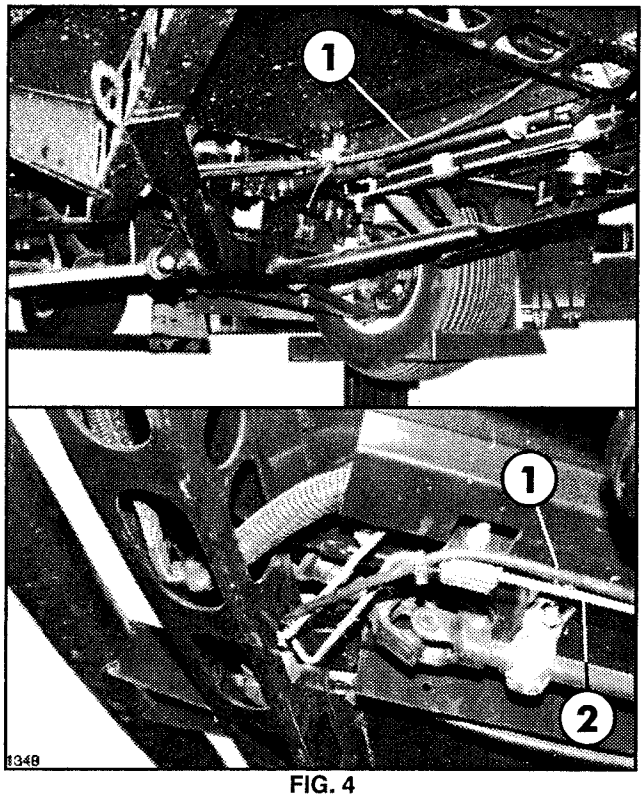


FIG. 4

1. Power Cable
2. Brake Line

5. Strip 5" of Conduit from the end of the Power Cable to expose red and black wires inside. See FIG. 5.

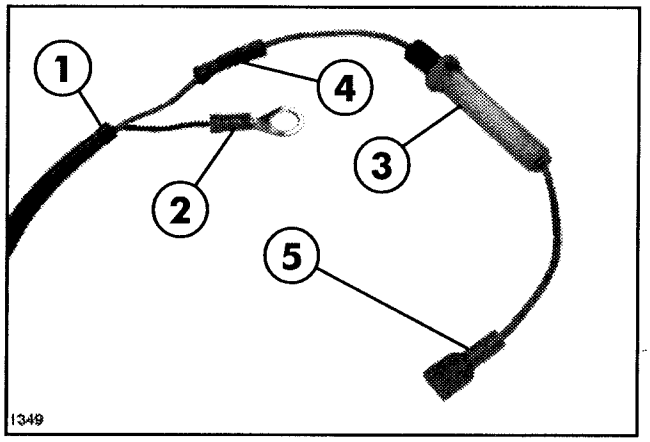


FIG. 5

1. Conduit
2. Ring Terminal
3. In-line Fuse Assembly
4. Butt Splice
5. Female Connector

6. Strip 1/4" of insulation off of the end of the Ground Wire (black) and attach the Ring Terminal to bare wire.

7. Cut the In-line Fuse wire in center of wire. Strip 1/4" of insulation from each end.

8. Strip 1/4" of insulation off of the end of the Hot Wire (red) in the Power Cable and attach to end of the In-line Fuse Assembly with the black cap using Butt Splice.

9. Attach Female Connector to the other end of In-line Fuse Assembly.

10. Route Power cable over to Accessory Fuse Box. Connect Ring Terminal on Ground Wire (black) to Ground Terminal Bolt and connect Female Connector on Hot Wire to a wire from Fuse Block.

11. Attach Female Connector to the other end of In-line Fuse Assembly.

12. Secure Power Cable as needed using zip ties.

IMPORTANT: Secure Power Cable away from belts and other and moving parts.

13. Slide the Motor/Blower Unit into the Vehicle Mount PAPR Assembly and secure using Spring on top of Vehicle Mount PAPR Assembly. See FIG. 6.

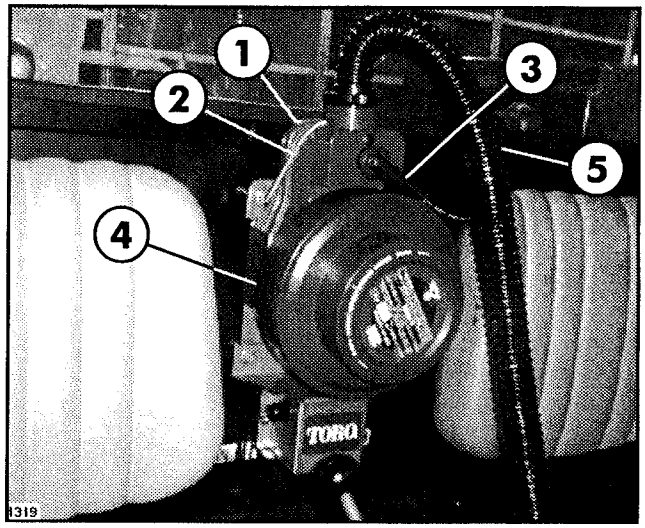


FIG. 6

1. Motor/Blower Unit
2. Spring
3. Power Plug
4. Filter
5. Breathing Tube

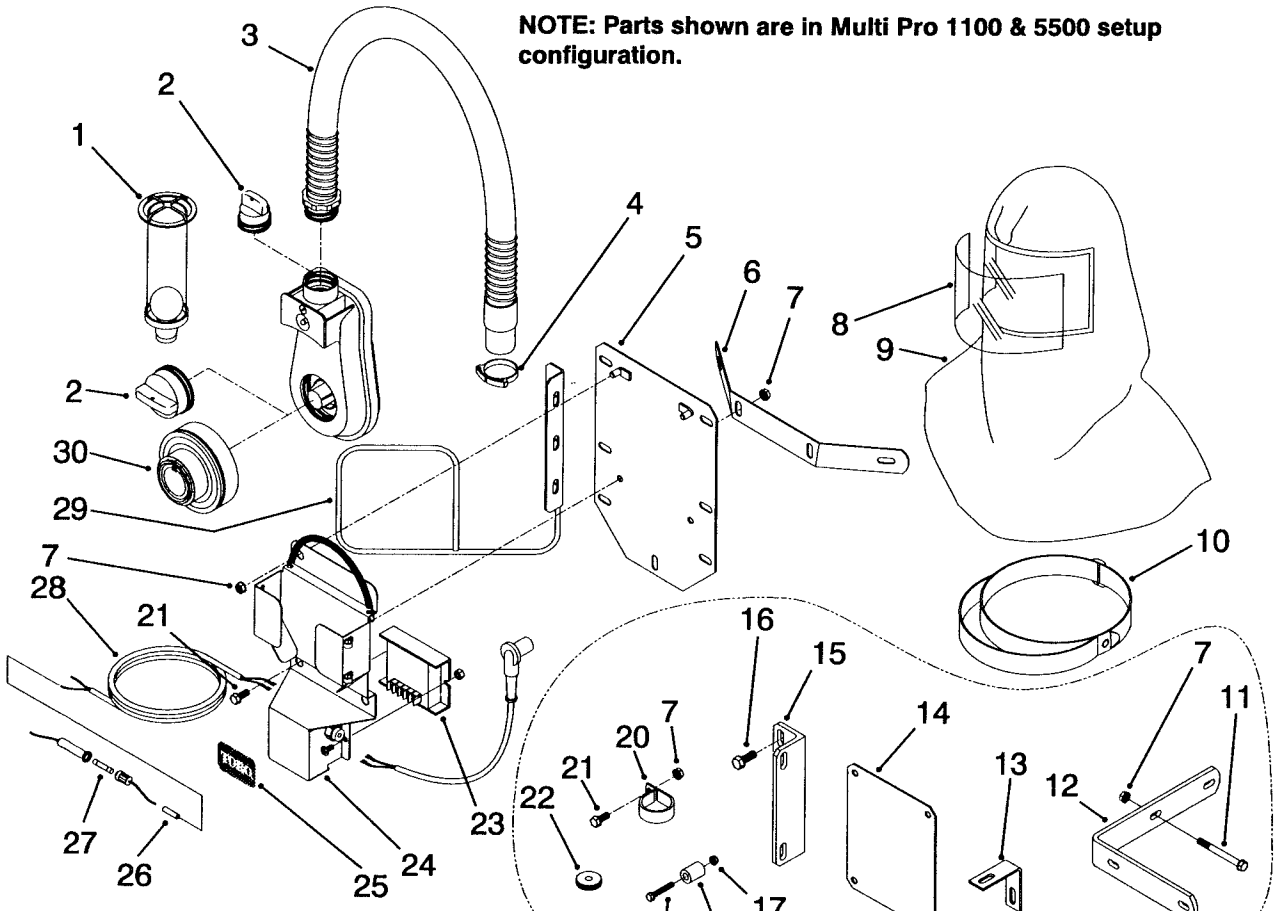
14. Remove the Inlet and Outlet Plugs from the Motor/Blower Unit and install the Filter and Breathing Tube.

NOTE: Do NOT discard the Inlet and Outlet Plugs they should be reinstalled during cleaning.

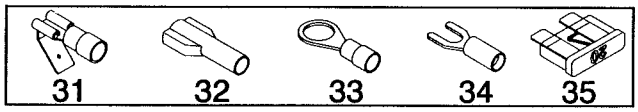
15. Plug Power Plug into receptacle in Motor/Blower Unit.

16. Refer to your Snapcap Operator's Manual for instructions regarding assembly of the Snapcap and Head Suspension.

NOTE: Parts shown are in Multi Pro 1100 & 5500 setup configuration.



Additional parts used in Workman, Workman with Cab, Multi Pro 1100 with Hose Reel, Multi Pro 1100 with Enclosure & 5500 with Cab Set-ups.



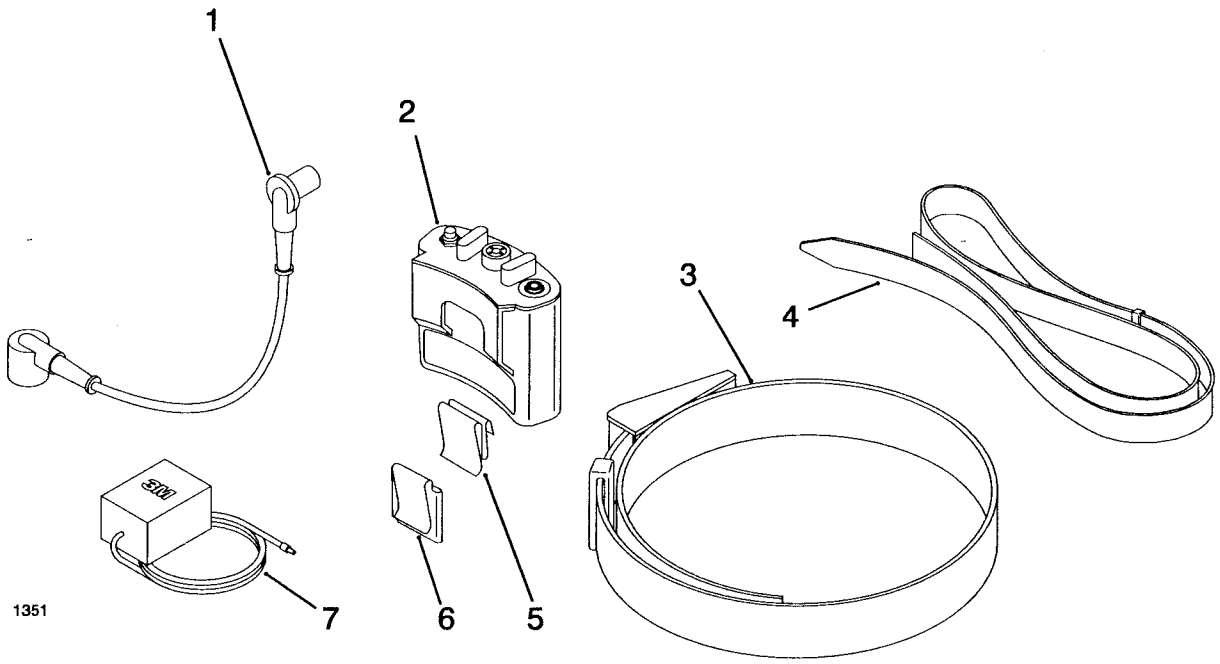
Electrical Connectors (See Setup)

1328

#	Part No.	Description	Qty
1	99-0495	Flow Meter	1
2	99-0494	Blower Plugs (Set of 2)	1
3	95-9339	Breathing Tube	1
4	95-9384	Breathing Tube Clamp	1
5	95-9343	Respirator Plate Assembly	1
6	95-9346	Respirator Bracket	1
7	32128-20	Flange Nut, 5/16"	10
8	99-0496	Window Covers (10 Pack)	1
9	95-9340	Hood Assembly (Incl. 2 Hoods, 2 Covers, Head Band & Tube Clamp)	1
10	95-9385	Head Band Assembly	1
11	322-14	Flange Bolt, 5/16 x 3"	2
12	95-9394	Respirator Strap	1
13	99-0516	Backing Angle	4
14	95-9393	Backing Plate	1
15	95-9342	Respirator Angle	1
16	3234-11	Flange Bolt, 3/8 x 1"	2
17	32128-33	Flange Nut, 1/4"	4
18	92-3973	Spacer - Delrin	4
19	3234-10	Flange Bolt, 1/4 x 1-1/2"	4
20	95-9326	R-Clamp	5

#	Part No.	Description	Qty
21	3234-5	Flange Bolt, 5/16 x 3/4"	8
22	42811	Grommet	1
23	95-9386	Voltage Converter	1
24	95-9387	Vehicle Mount PAPR Kit	1
25	92-7981	Decal - Toro	1
26	92337	Butt Splice	1
27	218-573	Fuse - 5 Amp.	1
28	95-9388	Power Cord	1
29	95-9347	Hood Hanger	1
30	95-9341	Filter	2
31	93-0822	Male / Female Connector	1
32	42827	Female Connector	1
33	92-3530	Ring Terminal	1
34	93-1091	Spade Terminal	1
35	42764	Fuse - 20 Amp	1
*	99-0525	Operators Manual - Vehicle Mounted PAPR	1
*	99-0525	Operator's Manual - 3M Brand Snapcap	1
*	99-0526	Operator's Manual - Belt Mounted PAPR	1

* Not illustrated



OPTOINAL BELT MOUNT ACCESSORIES

#	Part No.	Description	Qty
1	99-0517	Power Cord	1
2	99-0518	Battery Pack	1
3	99-0522	Web Belt	1
4	99-0523	Web Shoulder Strap	1

#	Part No.	Description	Qty
5	99-0521	Battery Belt Clip	1
6	99-0520	Motor / Blower Clip	1
7	99-0519	Battery Charger	1

* Not illustrated

NOTES:



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The Toro Commercial Products Two Year Limited Warranty

The Toro Company warrants your 1996 or newer Toro Commercial Product ("Product") purchased after January 1, 1997, to be free from defects in materials or workmanship for the period of time listed below. Where a warrantable condition exists, Toro will repair the Product at no cost to you including diagnosis, labor , parts, and transportation. This warranty begins on the date the Product is delivered to the original retail purchaser.

Warranty Duration: Two years or 1500 operational hours*, whichever occurs first.
***Product equipped with hour meter**

Owner Responsibilities:

As the Product owner, you are responsible for required maintenance and adjustments stated in your Owner's Manual. Failure to preform required maintenance and adjustments can be grounds for disallowing a warranty claim.

Instructions for Obtaining Warranty Service:

You are responsible for notifying the Commercial Products Distributor or Authorized Commercial Products Dealer from whom you purchased the Product as soon as you believe a warrantable condition exists.

If you need help locating a Commercial Products Distributor or Authorized Dealer, or if you have questions regarding your warranty rights or responsibilities, you may contact us at:

TORO Commercial Products Service Department
8111 Lyndale Avenue South
Minneapolis, MN 55420-1196
Telephone: (612) 888-8801
Facsimile: (612) 887-8258
E-Mail: Commercial.Service@Toro.Com

Maintenance Parts:

Parts scheduled for replacement as required maintenance ("Maintenance Parts"), are warranted for the period of time up to the scheduled replacement time for that part.

Items/Conditions Not Covered:

Not all product failures or malfunctions that occur during the warranty period are defects in material or workmanship. The items / conditions listed below are not covered by this warranty:

- Product failures which result from the use of non-Toro replacement parts, or from installation and use of add-on, modified, or unapproved accessories are not covered.
- Product failures which result from failure to perform required maintenance and/or adjustments are not covered.
- Product failures which result from operating the Product in an abusive, negligent, or reckless manner are not covered.
- This warranty does not apply to parts subject to consumption through use unless found to be defective. Examples of parts which are consumed, or used up, during normal Product operation include, but are not limited to, blades, reels, bedknives, tines, spark plugs, castor wheels, tires, filters, belts, etc.
- This warranty does not apply to failures caused by outside influence. Items considered to be outside influence include, but are not limited to, weather, storage practices, contamination, use of unapproved coolants, lubricants, additives, or chemicals, etc.
- This warranty does not apply to normal "wear and tear" items. Normal "Wear and Tear" includes, but is not limited to, damage to seats due to wear or abrasion, worn painted surfaces, scratcheddecals or windows, etc.

Other Legal Disclaimers:

The above remedy of product defects through repair by an authorized distributor or dealer is the purchaser's sole remedy for any defect. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Except for the Emissions warranty referenced below, if applicable, there is no other express warranty. All implied warranties of merchantability and fitness for use are limited to the duration of the express warranty.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

The Toro Company is not liable for indirect, incidental or consequential damages in connection with the use of the Product, including any cost or expense of providing substitute Product or service during periods of malfunction or non-use.

Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you.

Note to California residents: The Emissions Control System on your Product may be covered by a separate warranty meeting requirements established by the U.S. Environmental Protection Agency (EPA), or the California Air Resources Board (CARB). The hour limitations set forth above do not apply to the Emissions Control System Warranty. Refer to the California Emission Control Warranty Statement printed in your Owner's Manual or contained in the engine manufacturer's documentation for details.