



M1578111F

ITEM NUMBERS: 1578111, 1578171
1578131, 1578181
1578151, 1578201

Owner's Manual

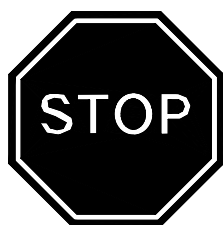
Pressure Washer: Machine that cleans dirty surfaces with high pressure water.



⚠ WARNING

Read this manual.

Serious injury or death can result if safety instructions are not followed.



Engine is shipped without oil.

- Before starting engine, fill engine oil.
- See engine manual for engine oil requirements.

Pump is shipped with oil.

- Remove shipping plug and install vented fill cap. (Comet Pumps)
- Remove shipping tape from pump oil fill cap. (Cat Pumps)
- See pump oil cap section of this manual.

Closely inspect all components.

- If you have damaged components then: Contact the freight company that delivered the unit and file a claim.
- If you have missing components then: Contact Customer Service at 1-800-270-0810.

fig01862

Any Questions, Comments, Problems or Parts Orders

Call NorthStar Customer Service 1-800-270-0810

Hazard Signal Word Definitions






| | |
|---|---|
|  | <p>This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.</p> |
|  | <p>DANGER (red) indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.</p> |
|  | <p>WARNING (orange) indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.</p> |
|  | <p>CAUTION (yellow) indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.</p> |
|  | <p>CAUTION (yellow) used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.</p> |

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⚠ Important Safety Rules






| | |
|---|---|
|  | <h2 style="text-align: center;">⚠ WARNING</h2> |
|  | <p>1.) Read owner's manual completely. Serious injury or death can result if safety instructions are not followed. You must be 16 or older to operate this machine. Keep untrained people away.</p> <p>2.) Skin puncture hazard. High pressure fluid can inject under skin resulting in serious injury including amputation. Do not direct spray at people or animals. -If skin injection happens, seek IMMEDIATE surgical treatment. -Do not check for leaks with hand. Instead, use a piece of cardboard to check for leaks. -Do not use unit if exterior hose damage is evident. Make sure all fittings are tight before starting. Relieve system pressure before servicing. -Know how to stop engine and bleed pressures quickly. Be thoroughly familiar with the controls. -Make sure accessories meet the unit's temperature and pressure limits. -Stop engine, bleed pressure, and engage spray gun safety lock before leaving unit unattended.</p> |
|   | <p>3.) Risk of fire and explosion. Hot exhaust fumes from engine can cause fire. Gasoline is highly flammable and explosive. You can be burned or seriously injured when handling fuel. -Position muffler at least 7 feet from combustible objects. -Before adding fuel, stop the engine and keep heat, sparks, and flame away. Do not add fuel when engine is running or still hot. No smoking near engine. -Do not pump fuel directly into engine at gas station. Static charge can build and ignite fuel. Use a UL approved fuel container to transfer gas to the engine. Wipe up fuel spills immediately. -Only store and handle fuel outdoors. Gasoline vapors can ignite if they collect inside an enclosure. Explosion can result. -Do not change or add to exhaust system. Fire can result. -Do not change or add fuel tanks or fuel lines. Fire can result. -Before each use, check fuel tank and fuel lines for leaks. Any fuel leak is a fire hazard. Fix any fuel leaks before starting engine. -During transportation take precautions to make sure pressure washer will not tip over and cause a fuel leak fire hazard.</p> |
|  | <p>4.) Poisonous gas. This machine gives off carbon monoxide, a poisonous gas that can kill you. You CANNOT smell it, see it, or taste it. -ONLY run machine outdoors and away from air intakes. -NEVER run machine inside homes, garages, sheds, or other semi-enclosed spaces. These spaces can trap poisonous gases, EVEN IF you run a fan or open doors and windows. If you start to feel sick, dizzy, or weak while using this machine, shut it off and get to fresh air RIGHT AWAY. See a doctor. You may have carbon monoxide poisoning.</p> |

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Save These Instructions

⚠ Important Safety Rules



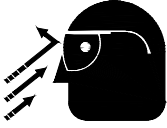


| | |
|---|---|
|  | <div style="text-align: center;">⚠ WARNING</div> <p>5.) Risk of exposure to dangerous chemicals.</p> <p>Serious injury or death can result if chemical manufacturer instructions are not followed.</p> <ul style="list-style-type: none"> -Wear protective gloves when handling and cleaning with chemicals. -Understand all safety hazards and first aid for all chemicals being used. -When cleaning filters, check if chemicals have been used and take any precautions that are recommended by the chemical manufacturer. -Different chemicals may interact dangerously with each other, always follow chemical manufacturer directions before switching chemicals. -Calculate the correct amount of chemical to mix, dispose of excess chemical per the manufacturer instructions. -Never spray flammable liquids. |
|  | <p>6.) Risk of electrocution.</p> <p>Electricity can kill you. Keep water away from electrical outlets and electrical devices.</p> |
|  | <p>7.) Flying objects.</p> <p>Small particles may fly out while spraying. Wear safety glasses. Serious eye injury can occur.</p> <p>Make sure nozzle is secure before squeezing trigger. If nozzle is not secure it will become a projectile.</p> |
|  | <p>8.) Fall hazard.</p> <p>Pressure washer creates puddles and slippery surfaces. Keep good footing and balance. Serious injury can occur.</p> <ul style="list-style-type: none"> -Wear footwear capable of maintaining a good grip on wet surfaces. -Gun kicks back. Hold with both hands. -Do not overreach or stand on unstable supports. -Do not stand on ladders or scaffolding. -Do not place pressure washer on soft or unstable ground. |
|  | <div style="text-align: center;">⚠ CAUTION</div> <p>1.) Hot muffler.</p> <p>You can be burned by muffler. Do not touch.</p> |

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Save These Instructions

⚠ Warning Label Locations

START-UP INSTRUCTIONS


1. Attach garden hose.
2. Attach pressure hose.
3. Attach gun and lance.
4. Turn water supply ON.
5. Squeeze trigger to purge air from pump.
6. Insert nozzle.
7. Start engine.




SHUT-DOWN INSTRUCTIONS

1. Turn engine OFF.
2. Turn water supply OFF.
3. Squeeze trigger to relieve system pressure.
4. Remove garden hose.
5. Remove pressure hose.
6. Turn fuel valve OFF (if equipped).


⚠ WARNING




1.) Skin puncture hazard. Do not direct spray at people or animals. Seek IMMEDIATE surgical treatment.




2.) Risk of fire and explosion. Do not add fuel when engine is running or still hot.



3.) Breathing hazard. Poisonous fumes from engine can kill you. Do not operate indoors even if ventilated.



4.) Risk of electrocution. Keep water away from electric outlets and electric devices.



5.) Read owner's manual. Serious injury or death can result if safety instructions are not followed.

© 2003 K-Bar Industries 800-270-0810 Part No. 38570

Engine and pump not shown for clarity.

NOTE:

Only one set of labels is used per machine. Labels may be placed on right or left side of machine. Both locations are shown. Use the location that does not obstruct viewing labels.

Call 1-800-270-0810 to order new labels.

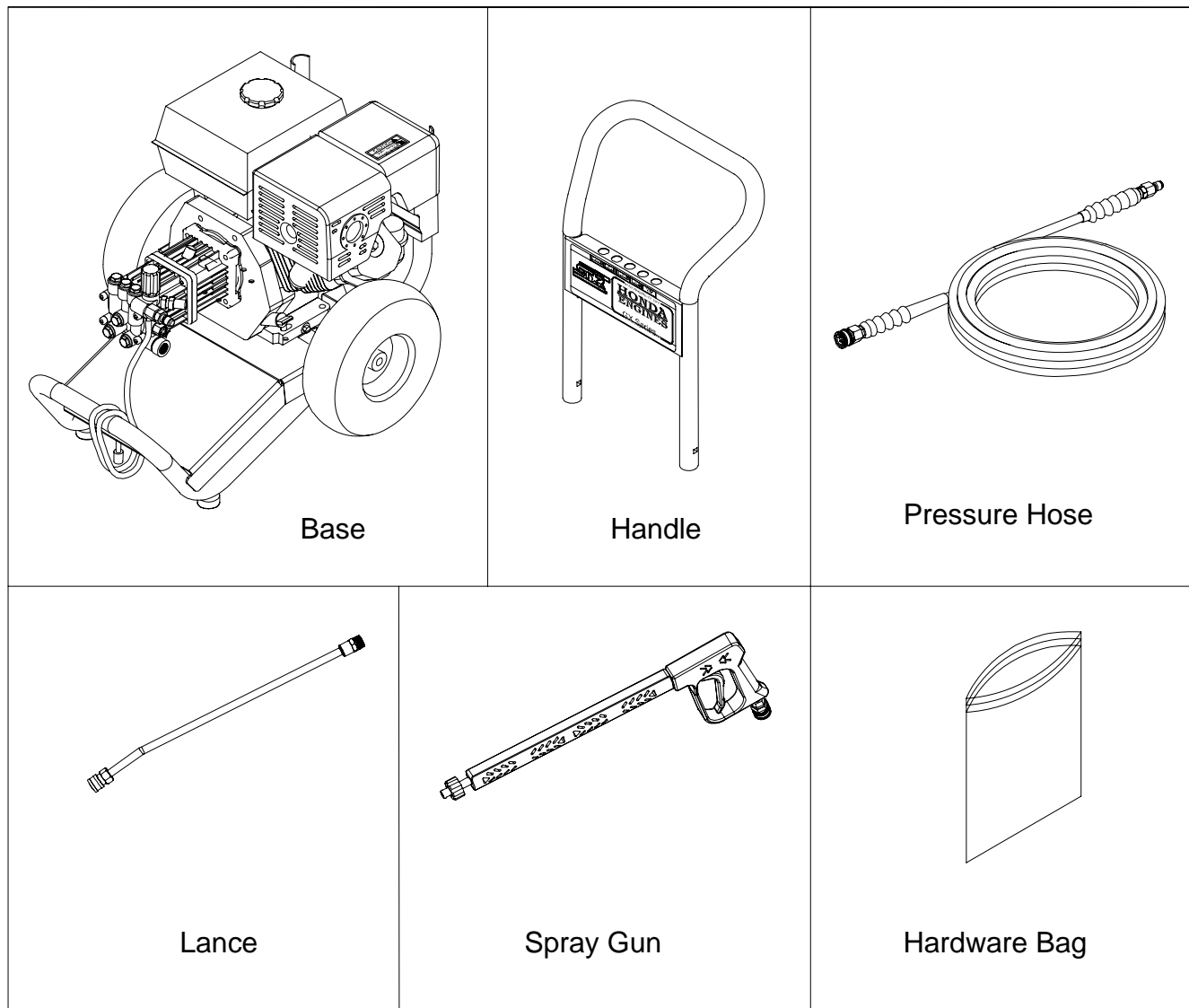
Instruction Label: Part No. 32538

Warning Label: Part No. 38570 (includes hot muffler caution located on engine)

⚠ Assembly Instructions

I.) Unpack

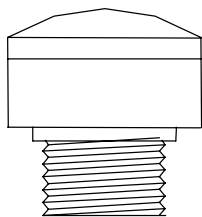
Your pressure washer is shipped in two boxes. Separate and identify the components found in both boxes.



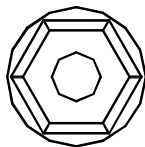
Any Questions, Comments, Problems or Parts Orders
Call NorthStar Customer Service 1-800-270-0810

⚠ Assembly Instructions

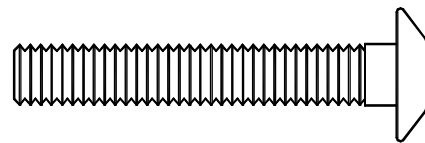
II.) Hardware Bag



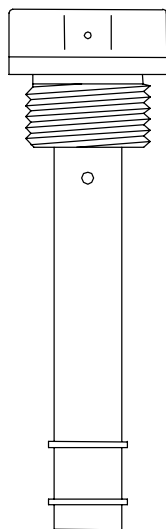
Vented fill cap
1578111, 1578131



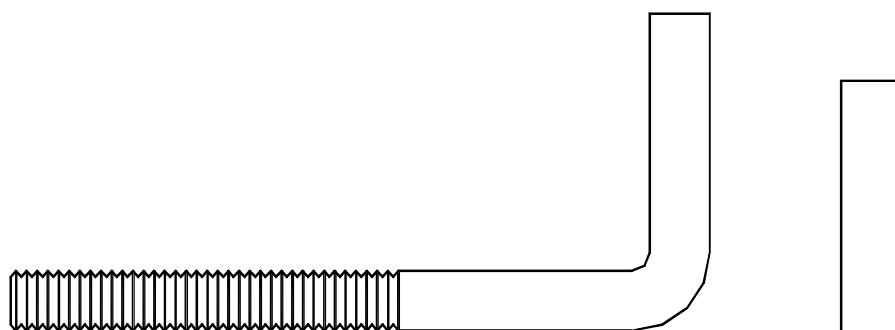
Flange Nut – Qty 6
Part # 82019



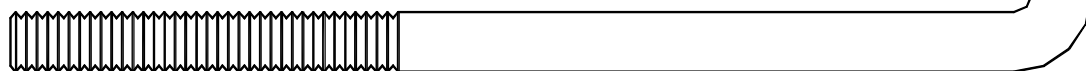
Carriage Bolt – Qty 2
Part # 82233



Vented dipstick
1578151 only



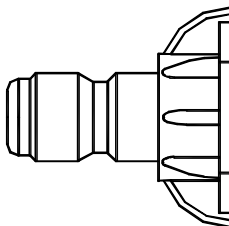
Gun Hook – Qty 2
Part # 38509



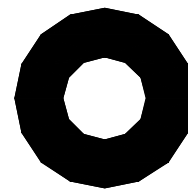
Hose Hook – Qty 1
Part # 38510



T- Handle Knob – Qty 2
Part # 38578



Nozzle – Qty 5
Part # 38531

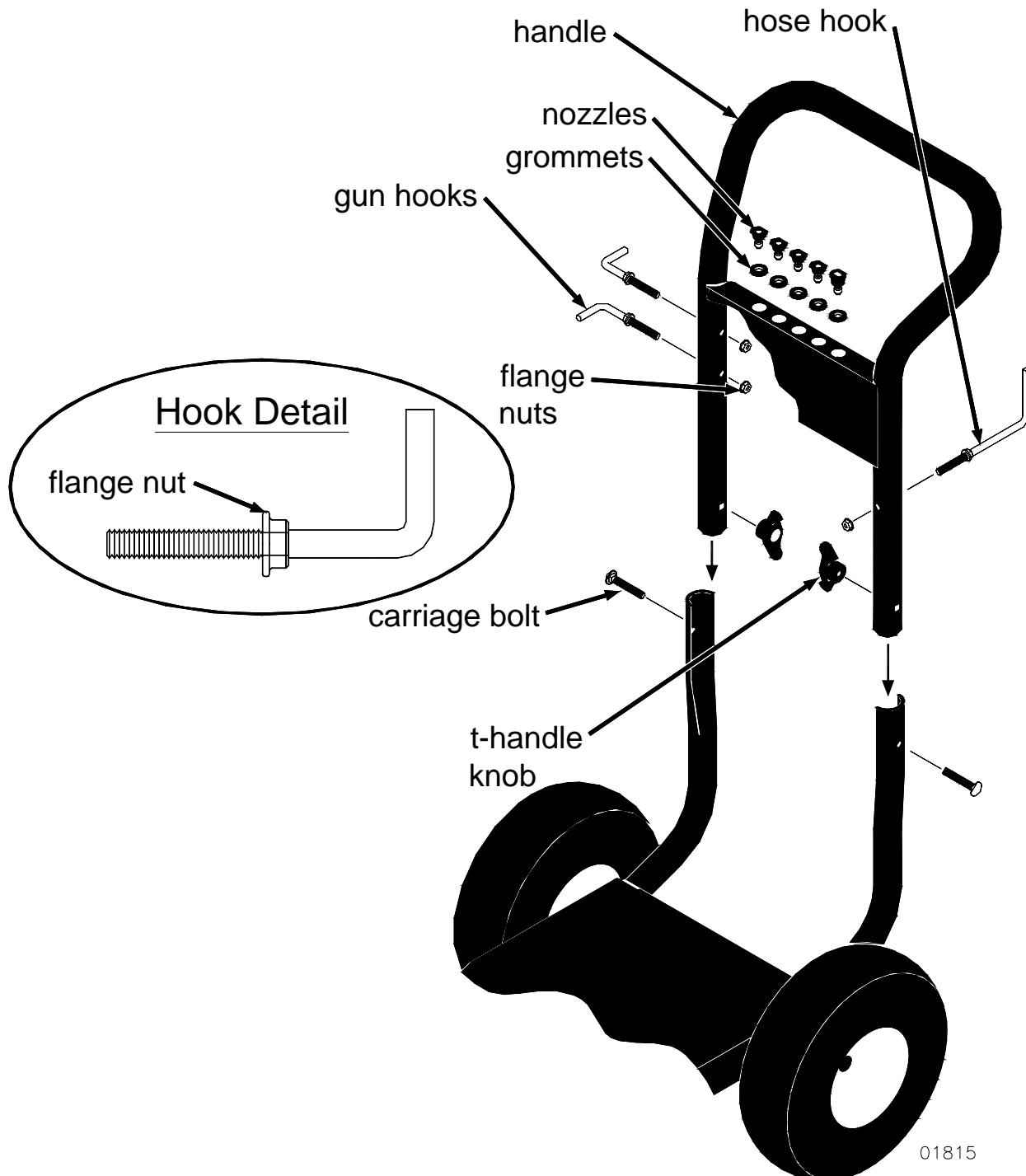


Grommet – Qty 5
Part # 35198

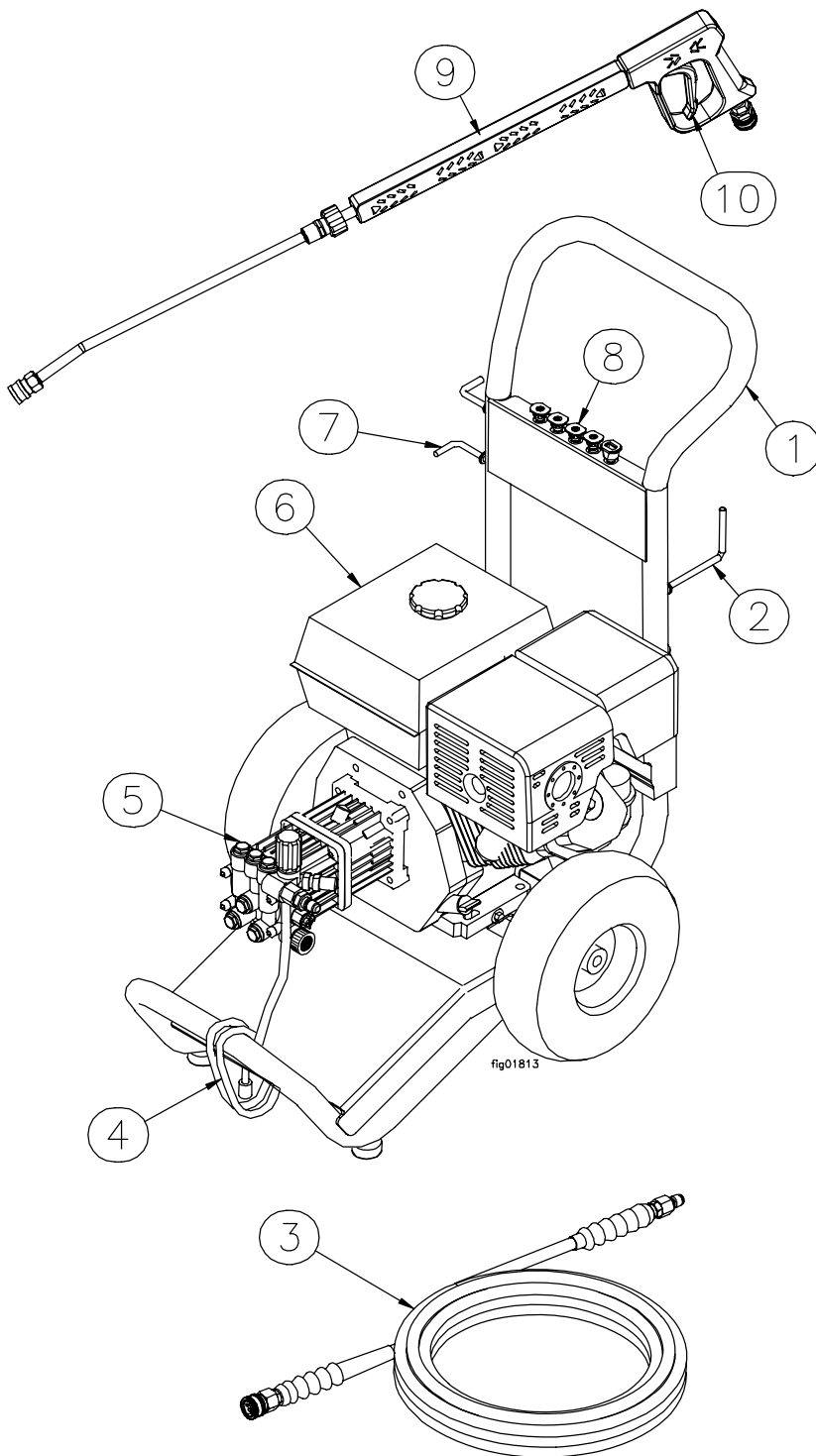
⚠ Assembly Instructions

III.) Handle Assembly

- 1.) Attach handle to base with two carriage bolts and t-handle knobs.
- 2.) Spin a flange nut backwards onto the hose hook and each gun hook. (see hook detail)
- 3.) Mount the hose hook and gun hooks onto the handle as shown.
- 4.) Make sure the top gun hook points back and the bottom gun hook points forward.
- 5.) Insert grommets into the holes on the handle nameplate.
- 6.) Press nozzles into grommets according to the colors indicated on the handle decal.



Machine Component Identification

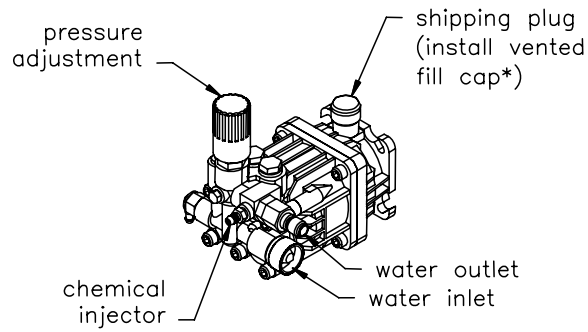


- 1.) **Handle.** Designed for easy cart movement.
- 2.) **Hose Hook.** Store hose on hook.
- 3.) **Pressure Hose.** Attach quick couplers to gun and water outlet.
- 4.) **Chemical Hose.** Submerge in cleaning solution.
- 5.) **Water Pump.** Inspect for loose/broken parts prior to each use.
- 6.) **Engine.** Honda engine provides years of reliable use.
- 7.) **Gun Hook.** Store gun on hook.
- 8.) **Nozzles.** Change nozzles for different spray patterns
- 9.) **Spray Gun.** Always use two hands for safe operation.
- 10.) **Trigger.** Actuate to allow pressurized water to flow out of spray gun.

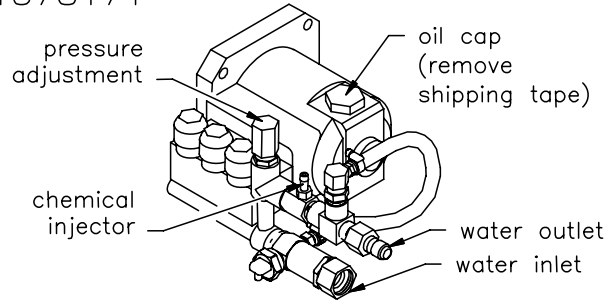
*Note: Item 1578131 shown, location of components on other models vary slightly.

Pump Oil Cap and Pump Component Identification

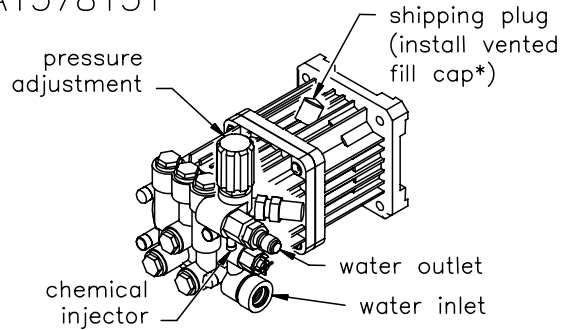
A1578111



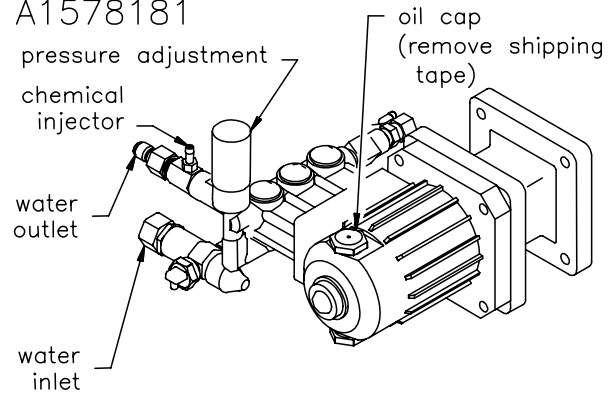
A1578171



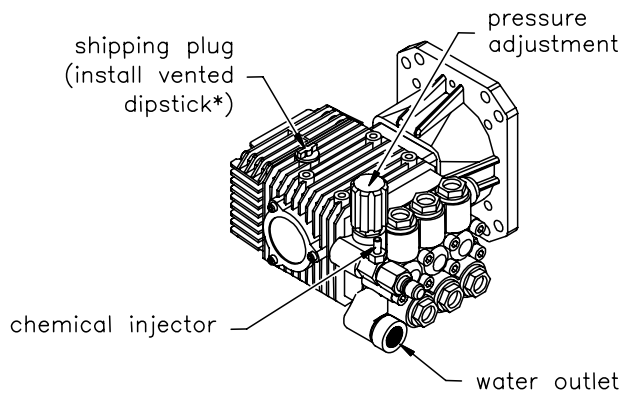
A1578131



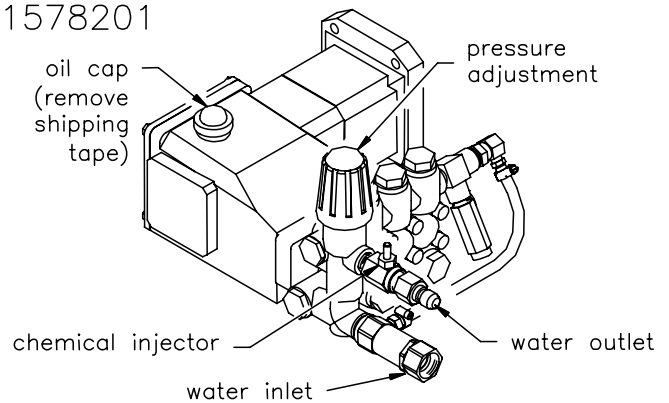
A1578181



A1578151



A1578201



2405

*Note: Discard shipping plug and o-ring.

⚠ Operation Instructions

Water Supply

- 1.) Make sure the water supply is clean. Debris can cause excess pump wear and reduce performance.
- 2.) An insufficient water supply will damage your pump. Make sure the water supply is steady and is 20% over the rated flow of your pump. Use a stopwatch to time how long it takes to fill a 5 gallon bucket with your garden hose. The bucket must fill faster than the times listed in the table below.

| Model | Time to fill 5 gallon bucket |
|--------------|-------------------------------------|
| 1578111 | 100 seconds |
| 1578131 | 84 seconds |
| 1578151 | 72 seconds |
| 1578171 | 100 seconds |
| 1578181 | 84 seconds |
| 1578201 | 72 seconds |

- 3.) The water supply garden hose must have an inside diameter of at least 5/8". If the hose is more than 100 ft. long, the diameter must be at least 3/4".
- 4.) Never use a reservoir tank as a water source. Drawing water out of a tank may cause pump cavitation and damage to your pump. This pressure washer is designed for a pressurized water source such as a city water faucet. However, the water source pressure must not exceed 115 psi (8 bar).
- 5.) Always use a flexible rubber hose for your water supply. Do not use rigid piping.

⚠ Operation Instructions

Start-Up Instructions

1. Attach garden hose to water inlet.
2. Attach pressure hose to water outlet and gun.
3. Attach spray gun to lance.
4. Turn water supply ON.
5. Squeeze trigger to purge air from pump.
6. Insert nozzle.
7. Start engine.

Shut-Down Instructions

1. Turn engine OFF.
2. Turn water supply OFF.
3. Squeeze trigger to relieve system pressure.
4. Remove garden hose.
5. Remove pressure hose.
6. Turn fuel valve OFF (if equipped).

⚠ WARNING



Skin puncture hazard.

High pressure fluid can inject under skin resulting in serious injury including amputation. Do not direct spray at people or animals.

-If skin injection happens, seek IMMEDIATE surgical treatment.

-Do not check for leaks with hand. Instead, use a piece of cardboard to check for leaks.

-Do not use unit if exterior hose damage is evident. Make sure all fittings are tight before starting. Relieve system pressure before servicing.

-Know how to stop engine and bleed pressures quickly. Be thoroughly familiar with the controls.

-Make sure accessories meet the unit's temperature and pressure limits.

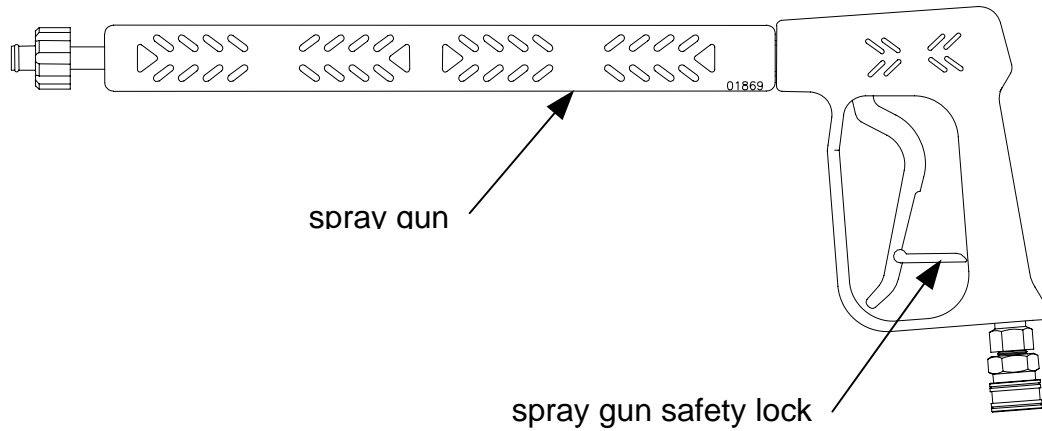
-Stop engine and bleed pressures before leaving unit unattended.

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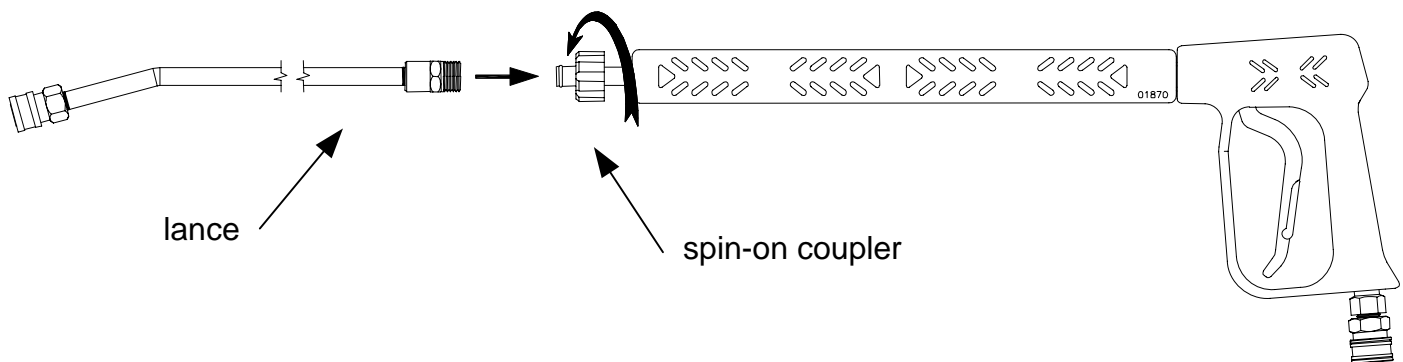
⚠ Operation Instructions

Spray Gun Safety Lock

When not spraying, use the spray gun safety lock to prevent accidental high pressure discharge.



Attaching the Lance



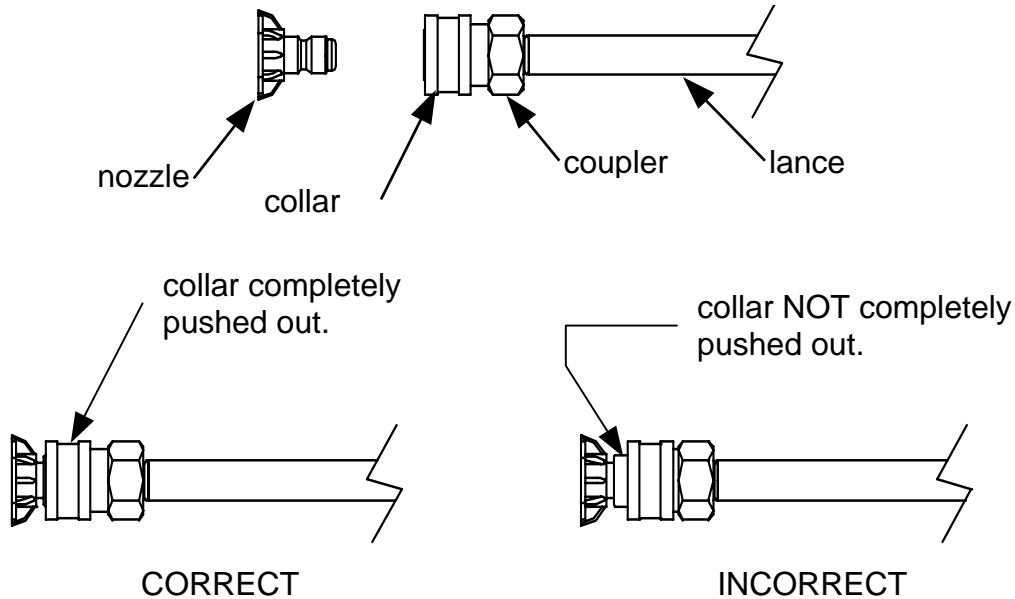
Tighten spin-on coupler hand tight.

Note: The o-rings make the seal so there is no need to tighten with a wrench.

⚠ Operation Instructions

Installing Nozzles

To install a nozzle pull back the collar and push the nozzle into the coupler. Once the connection is made, pull on the nozzle to make sure it is secure.



⚠ WARNING

Flying objects.

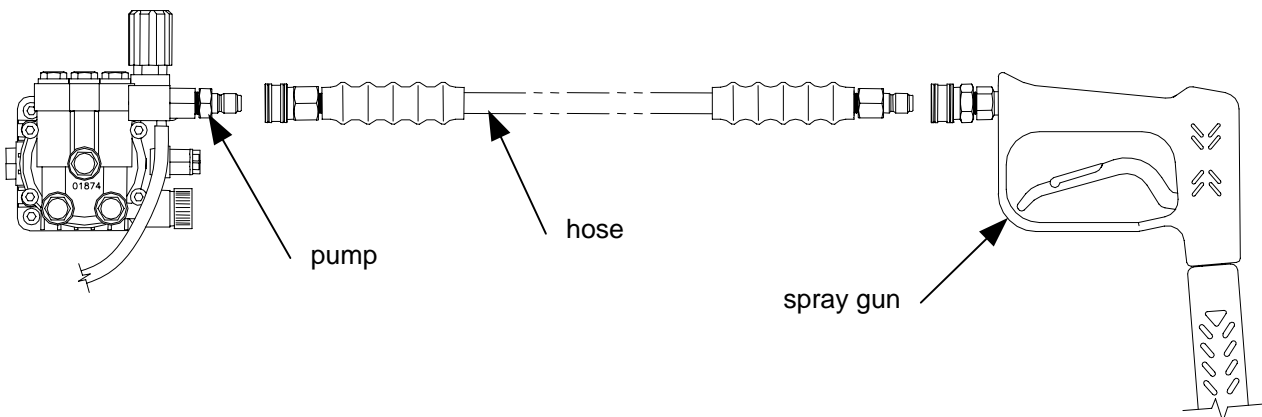
Make sure nozzle is secure before squeezing trigger. If nozzle is not secure it will become a projectile. Serious injury can occur.

fig01864

Attach Quick Connect Couplers

-To install the hose onto the pump, pull back the collar and push the hose into the coupler on the pump.

-To install the hose onto the spray gun, pull back the collar on the spray gun and push the hose into the coupler on the spray gun.

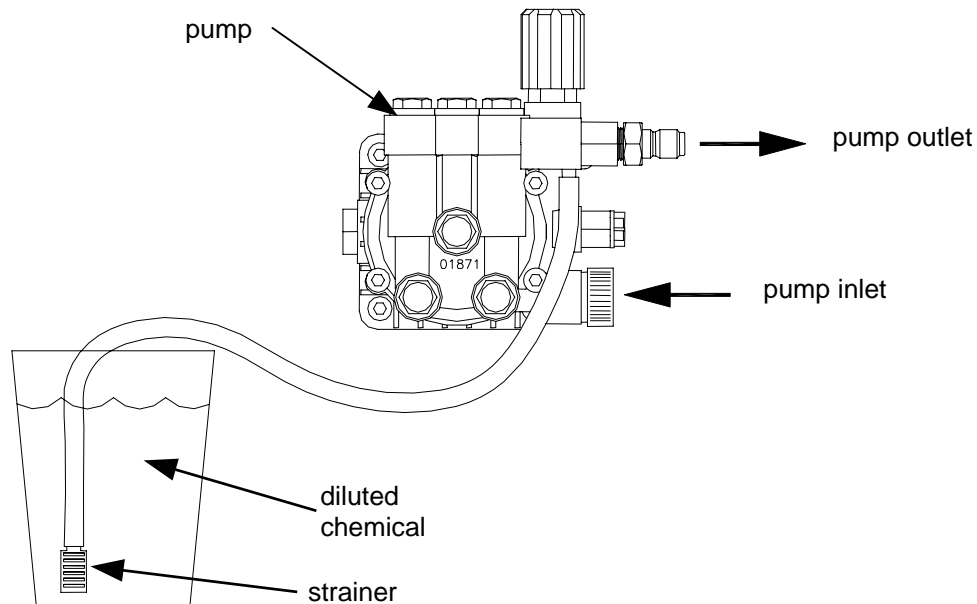


Once the connections are made, pull on the hose to make sure it is secure.

⚠ Operation Instructions

Applying Chemicals

- 1.) Install the black nozzle to spray chemicals onto the cleaning surface.
- 2.) Start the pressure washer according to the start-up instructions.
- 3.) Submerge the chemical hose in cleaning solution.
- 4.) Squeeze the spray gun trigger. The chemical injector will draw the chemical into the water stream.
- 5.) Apply chemicals evenly onto the cleaning surface. Allow the chemicals to react with the dirt, then clean at high pressure with green nozzle.
- 6.) Never use more chemical than is necessary to clean the surface.
- 7.) To clean the chemical injector, draw water through the strainer until all the chemical is purged from the system.



⚠ WARNING

Risk of exposure to dangerous chemicals.

Serious injury or death can result if chemical manufacturer instructions are not followed.

- Wear protective gloves when handling and cleaning with chemicals.
- Understand all safety hazards and first aid for all chemicals being used.
- When cleaning filters, check if chemicals have been used and take any precautions that are recommended by the chemical manufacturer.
- Different chemicals may interact dangerously with each other, always follow chemical manufacturer directions before switching chemicals.
- Calculate the correct amount of chemical to mix, dispose of excess chemical per the manufacturer instructions.
- Never spray flammable liquids.



fig01846

⚠ Maintenance and Storage

Maintenance Mode

Before performing any maintenance on the pressure washer, it must be placed in maintenance mode.

- 1.) Turn off engine.
- 2.) Turn off water supply.
- 3.) Squeeze trigger to relieve system pressure.
- 4.) Shut off fuel valve.
- 5.) Unplug spark plug wire from spark plug, (see engine owners' manual).

Maintenance Schedule

| What to Check | When To Check | What to Do |
|---------------|--|--|
| Inlet Filter | Each Use | Visually inspect and clean inlet filter with clear water. |
| Pressure Hose | Each Use | Visually inspect pressure hose and hose couplings. Replace hose if any of the following is evident: hose coupling is damaged, wire mesh is exposed or damaged, hose is permanently kinked or flattened, outer hose cover is blistered or loose. |
| Bolts | Each Use | Tighten any loose bolts. |
| Engine Oil | See engine manual | See engine manual for oil change instructions |
| Pump Oil | After 1 st 50hrs, then 3mo/500hr | Change pump oil. See pump oil change instructions on next page. |



⚠ WARNING

Skin injection hazard.

High pressure fluid can inject under skin resulting in serious injury including amputation.

-Make sure all fittings are tight before applying pressure. Relieve system pressure before servicing.

-Do not check for leaks with hand. Instead, use a piece of cardboard to check for leaks.

-If skin injection happens, seek immediate "Surgical Treatment".

fig01454

▲ Maintenance and Storage

Pump Oil Change

- 1) Place a suitable container below the pump to catch used oil, then remove the oil fill cap and oil drain plug.
- 2) Allow the used oil to drain completely, then reinstall the drain plug and tighten securely.
- 3) Please dispose of used oil in a sealed container to your local recycling center or service station for reclamation. Do not throw it in the trash, pour it on the ground or down the drain.
- 4) With the pump in a level position, fill to the half way point on the oil sight glass (see pump oil capacities below). For Comet pumps use Universal Tractor Transmission Oil or Mobil1 15W50 synthetic oil. For Cat pumps use SAE30 non-detergent oil or Cat Pump Oil Item # 22158.

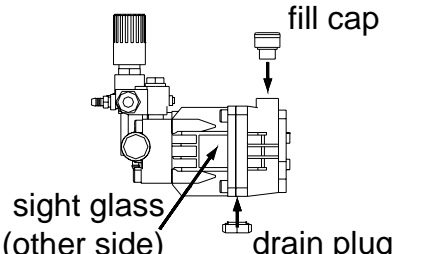
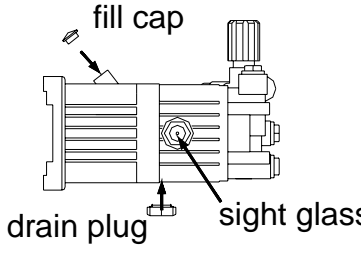
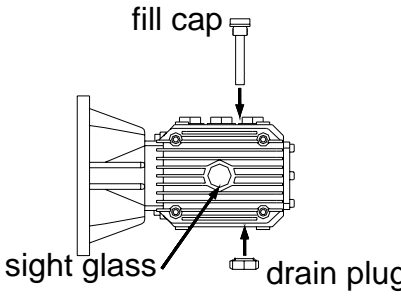
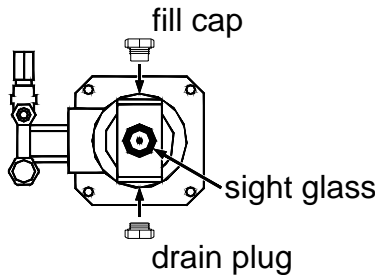
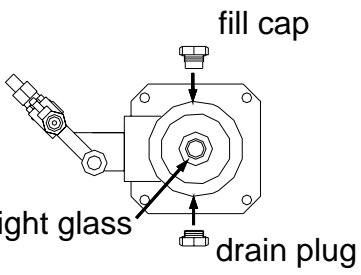
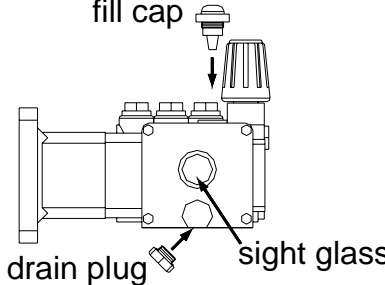
| | | |
|--|--|--|
| <p style="text-align: center;">Comet BXD 2527 Pump</p>  <p style="text-align: center;">Oil capacity: 4.3 oz. (.13L)</p> | <p style="text-align: center;">Comet AXD 3030 Pump</p>  <p style="text-align: center;">Oil capacity: 5.7 oz. (.17L)</p> | <p style="text-align: center;">Comet ZWD3540 Pump</p>  <p style="text-align: center;">Oil capacity: 10.3 oz. (.30L)</p> |
| <p style="text-align: center;">Cat 3DX25GSI Pump</p>  <p style="text-align: center;">Oil capacity: 8.5 oz. (.25L)</p> | <p style="text-align: center;">Cat 3SP30G1I Pump</p>  <p style="text-align: center;">Oil capacity: 10.2 oz. (.30L)</p> | <p style="text-align: center;">Cat 66DX35G1I Pump</p>  <p style="text-align: center;">Oil capacity: 22.6 oz. (.62L)</p> |

FIG02377

⚠ Maintenance and Storage

Long Term Storage

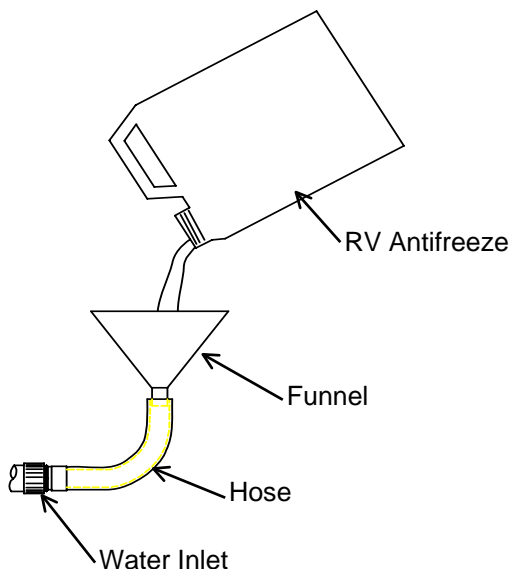
Follow the engine owner's manual for storing the engine.

Winter Storage

Protect your pump, hose, and gun from freezing.

Items needed: 12" piece of garden hose or equivalent, funnel and RV antifreeze (approximately 6 oz.)

- 1.) Follow the storage instructions listed above.
- 2.) Disconnect spark plug cable. Make sure the engine start switch is OFF and the fuel valve is OFF.
- 3.) Attach the garden hose with funnel to the pump inlet (see illustration).
- 4.) Pour RV antifreeze into the funnel, pull the engine recoil until antifreeze comes out the pump outlet.
- 5.) Drain all water from the high pressure hose. Depress trigger on gun and drain all water out of gun/lance.



Troubleshooting

| Problem | |
|--|--|
| Engine will not start | SOLUTION: A,B |
| Low/Surging pressure or no water flow | SOLUTION: C,D,E,F,G,H |
| No chemical injection | SOLUTION: I,J,K,L |
| Cause | Solution |
| A- Low oil shutdown | See engine manual for oil requirements |
| B- Engine starting instructions not followed | See engine manual for starting instructions |
| C- Insufficient water supply | See water supply section of this manual |
| D- Plugged pump inlet filter | See maintenance section of this manual |
| E- Wrong nozzle | Make sure high pressure nozzle is being used |
| F- Plugged nozzle | Remove nozzle, check for blockage |
| G- Worn nozzle | Replace nozzle |
| H- Leak in pressure hose | Replace pressure hose |
| I- Wrong nozzle | Make sure chemical nozzle is being used |
| J- Back pressure from extra long discharge hose | Try shorter hose |
| K- Leak in chemical siphon hose | Replace hose – use hose clamps if necessary |
| L- Chemical strainer not submerged | Make sure strainer is completely submerged |

Any Questions, Comments, Problems or Parts Orders
 Call Northstar Customer Service 1-800-270-0810

Specifications

1578111

| | |
|-------------------------|--|
| PSI (bar) | 2700 (186) |
| GPM (l/min) | 2.5 (9.4) |
| Max Water Temp | 140°F (60°C) |
| Noise Level | 78 dB |
| Dimensions L x W x H | 32 3/4" x 24" x 37 3/4" (832mm x 610mm x 959mm) |
| Weight | 97 lb (44kg) |

1578171

| | |
|-------------------------|--|
| PSI (bar) | 2750 (190) |
| GPM (l/min) | 2.5 (9.4) |
| Max Water Temp | 140°F (60°C) |
| Noise Level | 78 dB |
| Dimensions L x W x H | 32 3/4" x 24" x 37 3/4" (832mm x 610mm x 959mm) |
| Weight | 96 lb (44kg) |

1578131

| | |
|-------------------------|--|
| PSI (bar) | 3000 (207) |
| GPM (l/min) | 3.0 (11.3) |
| Max Water Temp | 140°F (60°C) |
| Noise Level | 82 dB |
| Dimensions L x W x H | 32 3/4" x 24" x 37 3/4" (832mm x 610mm x 959mm) |
| Weight | 120 lb (55kg) |

1578181

| | |
|-------------------------|--|
| PSI (bar) | 3200 (220) |
| GPM (l/min) | 3.0 (11.3) |
| Max Water Temp | 140°F (60°C) |
| Noise Level | 82 dB |
| Dimensions L x W x H | 32 3/4" x 24" x 37 3/4" (832mm x 610mm x 959mm) |
| Weight | 123 lb (56kg) |

1578151

| | |
|-------------------------|--|
| PSI (bar) | 4000 (275) |
| GPM (l/min) | 3.5 (13.2) |
| Max Water Temp | 140°F (60°C) |
| Noise Level | 82 dB |
| Dimensions L x W x H | 32 3/4" x 24" x 37 3/4" (832mm x 610mm x 959mm) |
| Weight | 141 lb (64 kg) |

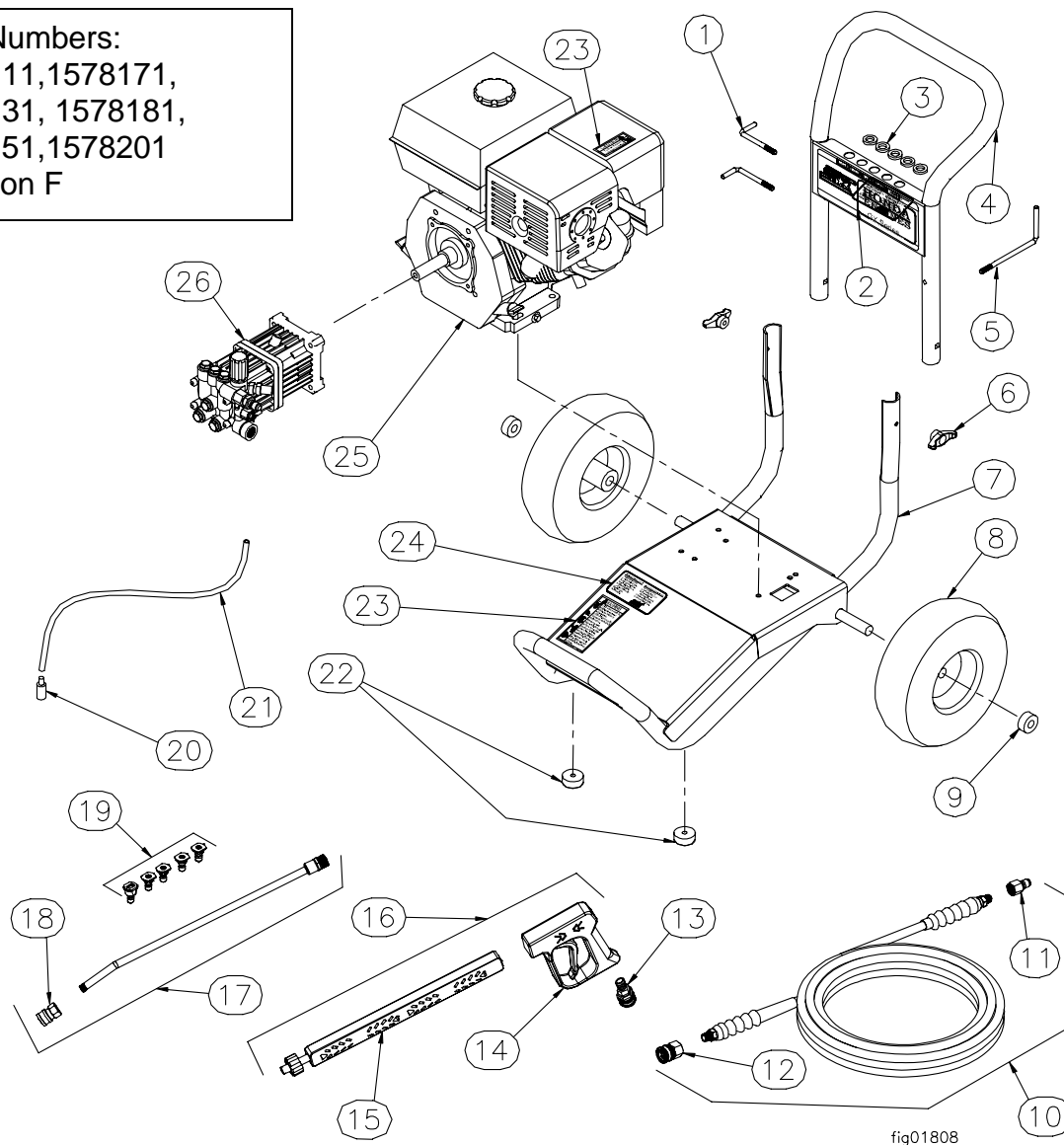
1578201

| | |
|-------------------------|--|
| PSI (bar) | 4000 (275) |
| GPM (l/min) | 3.5 (13.2) |
| Max Water Temp | 140°F (60°C) |
| Noise Level | 82 dB |
| Dimensions L x W x H | 32 3/4" x 24" x 37 3/4" (832mm x 610mm x 959mm) |
| Weight | 147 lb (67 kg) |

The manufacturer reserves the right to make improvements in design and/or changes in specifications at any time without incurring any obligation to install them on units previously sold.

Parts Explosion

Item Numbers:
1578111,1578171,
1578131, 1578181,
1578151,1578201
Revision F

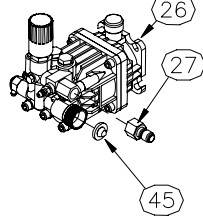


| REF# | PART# | DESCRIPTION | QTY | MODEL |
|------|--------|--------------------------|-----|-------|
| 1 | 38509 | Gun Hook | 2 | all |
| 2 | 38552 | Decal | 1 | all |
| 3 | 35198 | Grommet | 5 | all |
| 4 | 38556 | Handle | 1 | all |
| 5 | 38510 | Hose hook | 1 | all |
| 6 | 38578 | Knob | 2 | all |
| 7 | 38494 | Base | 1 | all |
| 8 | 2278 | Wheel | 2 | all |
| 9 | 305200 | Wheel Retainer | 2 | all |
| 10 | 38525 | Pressure Hose | 1 | all |
| 11 | 777915 | Hose Quick Couple Nipple | 1 | all |
| 12 | 777914 | Hose Quick Coupler | 1 | all |
| 13 | 313107 | Spray Gun Quick Coupler | 1 | all |
| 14 | 779168 | Spray Gun Handle | 1 | all |
| 15 | 22622 | Lance w/ Quick Connect | 1 | all |
| 16 | 779165 | Spray Gun | 1 | all |
| 17 | 779166 | Lance | 1 | all |
| 18 | 777904 | Nozzle Quick Coupler | 1 | all |

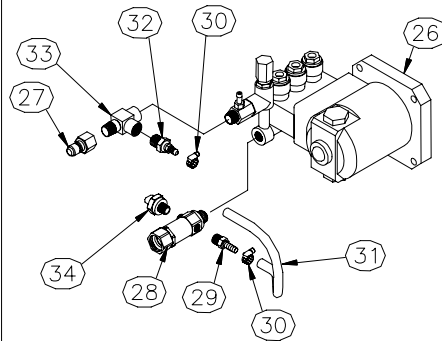
| REF# | PART# | DESCRIPTION | QTY | MODEL |
|------|----------|-----------------------|-----|----------------------------|
| 19 | 38531 | Nozzle 5 PACK #3.0 | 1 | 1578111,8171 |
| | 38532 | Nozzle 5 PACK #3.5 | 1 | 1578131,8181, 8151,8201 |
| 20 | 2212 | Chemical Strainer | 1 | all |
| 21 | 777165 | Braided Chemical Hose | 3' | all |
| 22 | 2215 | Rubber Foot | 2 | all |
| 23 | 38570 | Warning Decal | 1 | all |
| 24 | 32538 | Instruction Decal | 1 | all |
| 25 | 60590 | 5.5 HP Honda Engine | 1 | 1578111,8171 |
| | 39115 | 9 HP Honda Engine | 1 | 1578131,8181 |
| | 601091 | 13 HP Honda Engine | 1 | 1578151,8201 |
| 26 | A1578111 | Pump Assembly | 1 | 1578111 |
| | A1578171 | Pump Assembly | 1 | 1578171 |
| | A1578131 | Pump Assembly | 1 | 1578131 |
| | A1578181 | Pump Assembly | 1 | 1578181 |
| | A1578151 | Pump Assembly | 1 | 1578151 |
| | A1578201 | Pump Assembly | 1 | 1578201 |

Parts Explosion

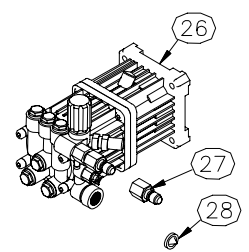
Numbers:
1578111
1578171,
1578131,
1578181,
1578151,
1578201
Revision F



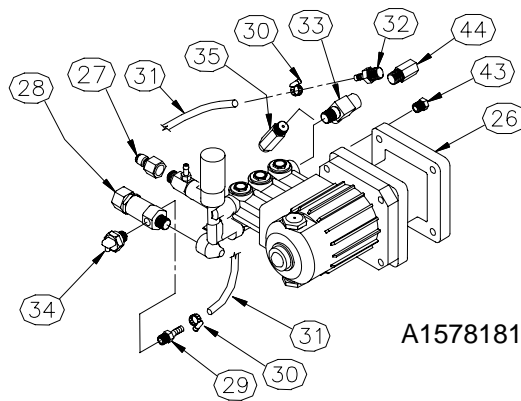
A1578111



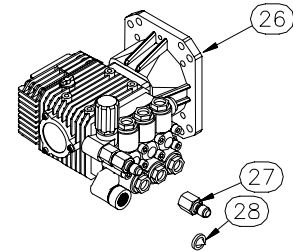
A1578171



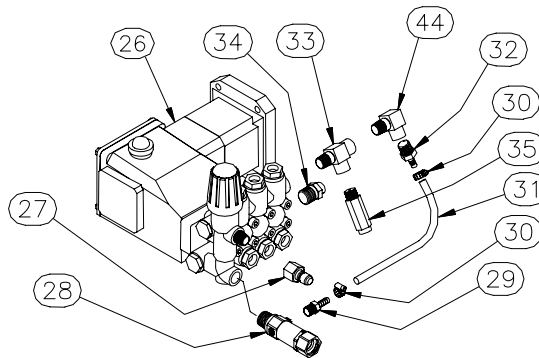
A1578131



A1578181



A1578151



A1578201

FIG02404

| REF# | PART# | DESCRIPTION | QTY | MODEL |
|------|--------|---------------------------|-----|-----------------------|
| 26 | 779404 | Comet BXD 2527G Pump | 1 | 1578111 |
| | 38518 | Cat 3DX Pump | 1 | 1578171 |
| | 38516 | Comet AXD Pump | 1 | 1578131 |
| | 777654 | Cat 3SP Pump | 1 | 1578181 |
| | 778164 | Comet ZWD Pump | 1 | 1578151 |
| | 38520 | Cat 66DX Pump | 1 | 1578201 |
| 27 | 777915 | Quick Connect Outlet Plug | 1 | all |
| 28 | 4027 | Inlet Filter | 1 | 1578111,8131 ,8151 |
| | 38596 | Inlet Filter | 1 | 1578171,818 |
| | 35169 | Inlet Filter | 1 | 1578201 |
| 29 | 777340 | ¼" x ¼" Hose Barb Fitting | 1 | 1578171,8181 ,8201 |

| REF# | PART# | DESCRIPTION | QTY | MODEL |
|------|--------|------------------|-----|-----------------------|
| 30 | 777834 | ¼" Hose Clamp | 2 | 1578171,8181, 8201 |
| 31 | 777165 | ¼" PVC Hose | 12" | 1578171,8181, 8201 |
| 32 | 38584 | Easy Start Valve | 1 | 1578171,8181, 8201 |
| 33 | 777347 | 3/8" Street Tee | 1 | 1578171,8181, 8201 |
| 34 | 35918 | Thermal Valve | 1 | 1578171,8181 |
| | 777836 | Thermal Valve | 1 | 1578201 |
| 35 | 22393 | Pop Off Valve | 1 | 1578181, 8201 |
| 44 | 777842 | 3/8 Street elbow | 1 | 1578181,8201 |

Packaged By: _____

ITEM NUMBERS: 1578111, 1578171
1578131, 1578181
1578151, 1578201

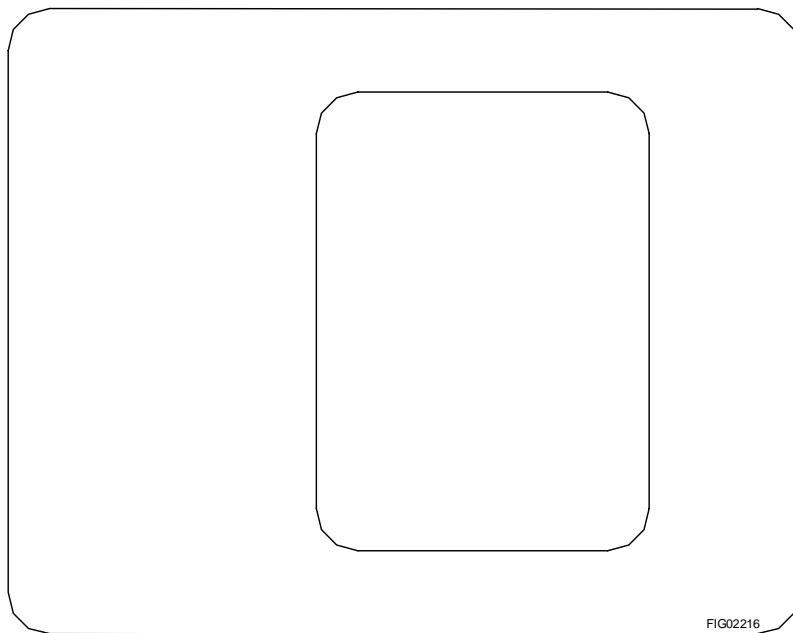
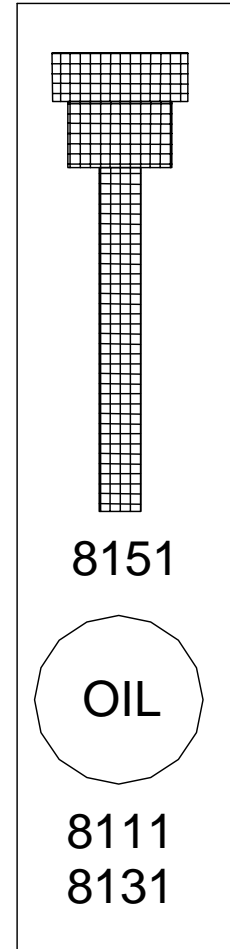
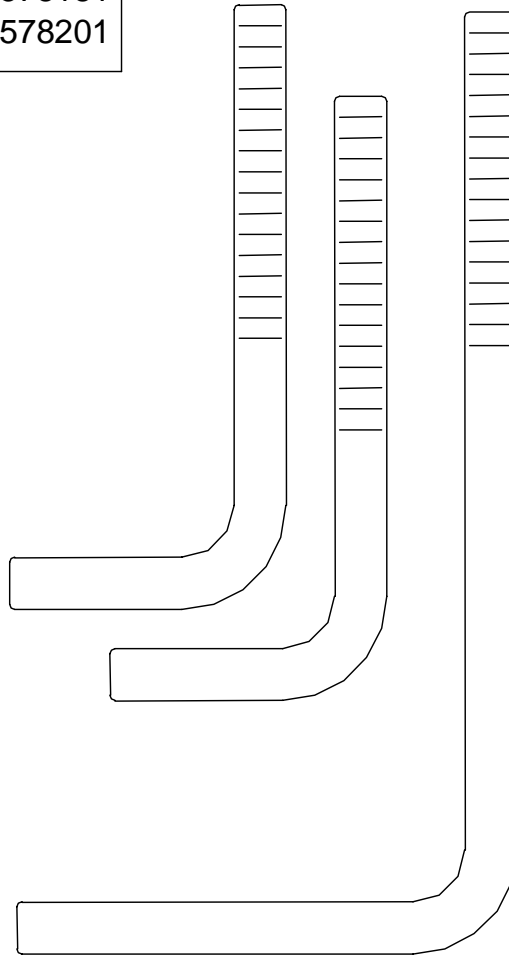
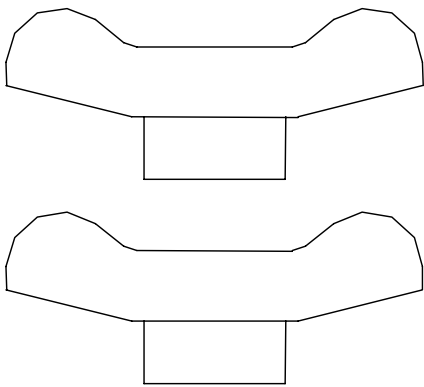
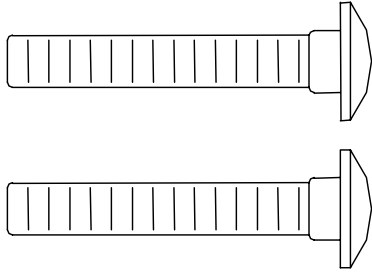
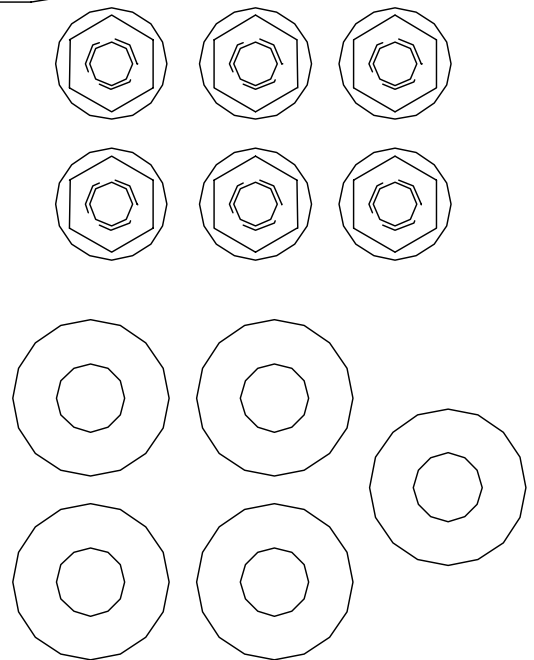


FIG02216



****This page is to help ensure that the factory includes all components in the manual bag.***