

Exhaust Tube Replacement for Millennium Compressor

Because this replacement exhaust tube fits multiple compressors, the length of the tube is purposely increased at the pump head fitting.

Follow the steps below to properly install the exhaust tube on your compressor.

1. Turn ON/OFF pressure switch to OFF position. Depressurize tank by slowly opening drain valve (on bottom of tank) until all air is out of tank. Close valve completely when finished.
2. Take top shroud off by removing the two screws, located at each end of shroud, that hold top shroud to bottom shroud. NOTE: If there is a brass coupler on outlet of regulator, remove it first.
3. Loosen compression nuts from existing exhaust tube.
4. Remove bolt holding motor strap to baseplate. Remove motor strap by pulling it towards exhaust tube and from slot on side of baseplate.
5. Remove bolt holding pump/motor to baseplate. It is located either next to the small white fan near the piston (there is a rubber isolator that the bolt goes through) or it is on the side of the baseplate (there are two washers that this bolt goes through – note their location and retain them for later use).
6. Lift pump/motor up slightly to remove exhaust tube. (Pump/motor is still attached to baseplate from underside of pump housing – do not remove it completely.)

Determine proper length of new exhaust tube by checking fit of tube on compressor. To do this, make sure short end of tube is fully seated in check valve socket, and other end of tube is fully seated in socket at pump head.

Cut exhaust tube at pump head so tube fits properly. Start with a longer length and make several cuts to ensure that tube does not end up too short. Use a tubing cutter rather than a saw to eliminate burrs and an out-of-round tube.

7. Install new exhaust tube, with compression nuts and new rubber ferrules, into head fitting first, then into check valve. Hand-tighten compression nuts.
8. Install motor strap to slot on side of baseplate, making sure strap is fully engaged in slot. Wrap motor strap over motor and tighten to baseplate with bolt (140 inch-pounds).
9. Install remaining bolt to baseplate. Per Step 5, if bolt attaches to top of baseplate near white fan, install bolt through rubber isolator and tighten (140 inch-pounds) securely to baseplate. If bolt attaches to side of baseplate, install bolt through two washers and tighten (140 inch-pounds) securely to the pump housing – apply removable Loctite® to threads prior to installation.
10. Tighten compression nuts on exhaust tube until rubber ferrules begin to squeeze out between nut and exhaust tube. Do not overtighten.
11. Install top shroud to unit.

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