



Repair Kit 235-333

For Masker Pump 223-969

! WARNING

See manual 308-069 for detailed warnings and instructions.

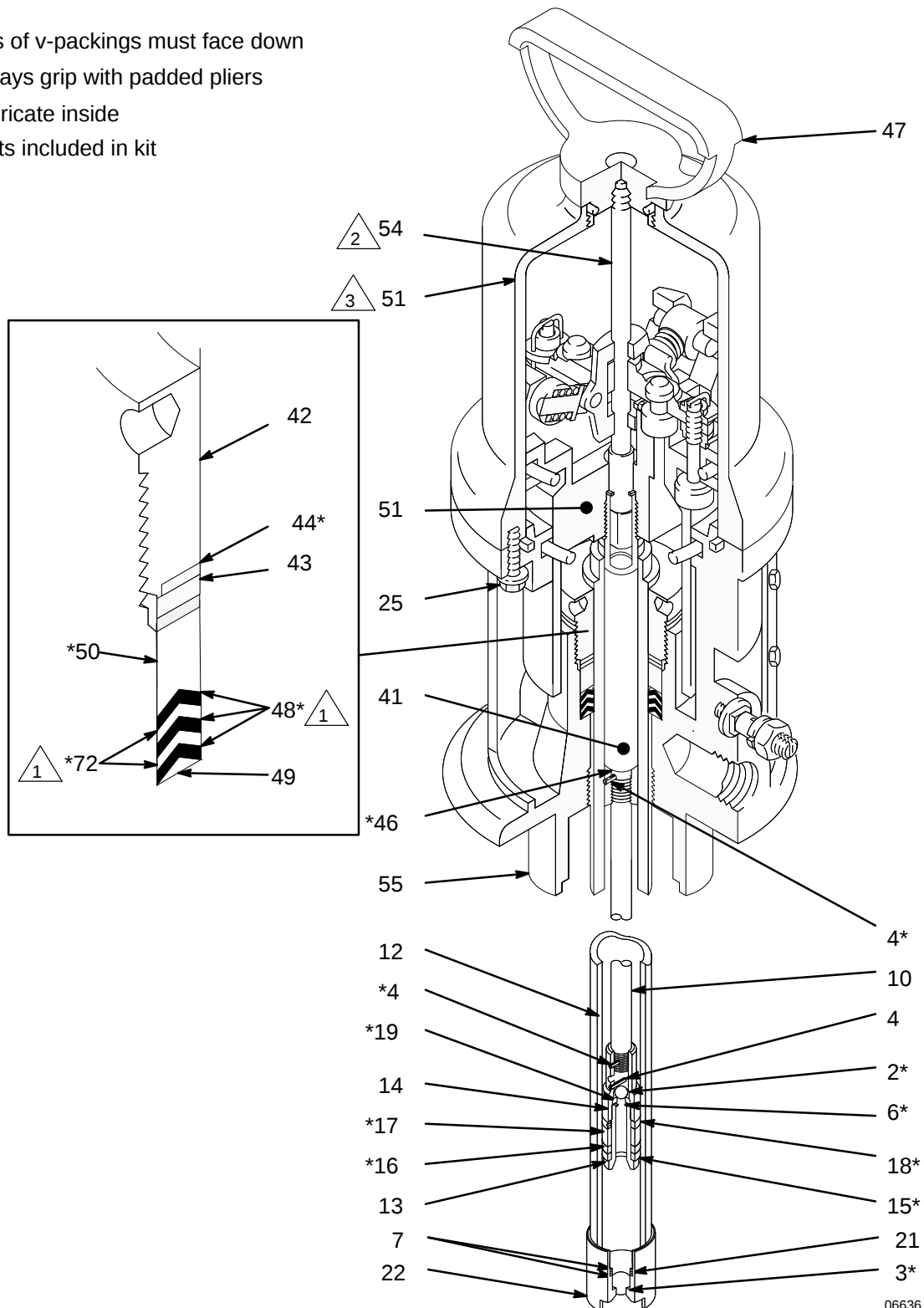
1. Relieve the pressure. Remove the hoses. Unmount the pump. Clamp the air motor in a vise.
2. Use a strap wrench on the tube (12) to screw it out of the base (55). Pull the connecting rod (10) down as far as it will go. Punch out the pin (4). Unscrew the connecting rod.
3. Manually push the piston rod up (41) to move the piston (59) as far as it will go. Unscrew the cap nut (47) and pull up. Grip the trip rod (54) – **use padded pliers (Part No. 207-579) to avoid damaging the trip rod surface** – and screw the nut off of the rod.
4. Remove the screws (25). Pull the cylinder (51) straight up off of the piston.
5. Remove one muffler plate (20 or 40). Loosen the packing nut (42).
6. Pull the piston/trip rod assembly up out of the base. Remove the throat packing nut (42) and packings.
7. Unscrew the valve (22) and remove its parts.
8. If the smooth inner surface of the cylinder is scored or irregular, replace the cylinder.
9. Unscrew the piston body (13) from the piston coupling (14). Remove all piston parts except the press-fit brass bearing (15). If the bearing needs to be replaced, clamp it in a vise and drive the piston body out with a plastic hammer. The new bearing must be started onto the piston body squarely.
10. Clean the parts in a compatible solvent; inspect for wear or damage, including polished surfaces of the piston, piston rod, and cylinder wall. A scored rod causes premature packing wear and leaking. Use all parts in the kit and replace other parts as needed. Lubricate the parts with light waterproof grease.
11. Reassemble, following the notes in the drawing. Tighten the packing nut just enough to stop leakage before installing the muffler plate.
12. Be sure the ground wire is connected before regular operation of the pump.

Kit Parts List

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
2	103-075	BALL, small	1	19	187-753	SEAT	1
3	101-859	BALL, large	1	44	160-644	PACKING, flat leather	1
4	101-871	PIN	2	46	150-694	GASKET	1
6	150-451	GASKET	1	48	111-688	V-PACKING, nitrile	3
15	160-941	BEARING	1	49	168-851	GLAND, male	1
16	160-942	SEAL	1	50	168-852	BEARING, throat	1
17	160-943	PACKING	1	72	111-642	V-PACKING, nitrile	2
18	160-944	BEARING	1				

Parts Drawing

- △1 Lips of v-packings must face down
- △2 Always grip with padded pliers
- △3 Lubricate inside
- * Parts included in kit



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