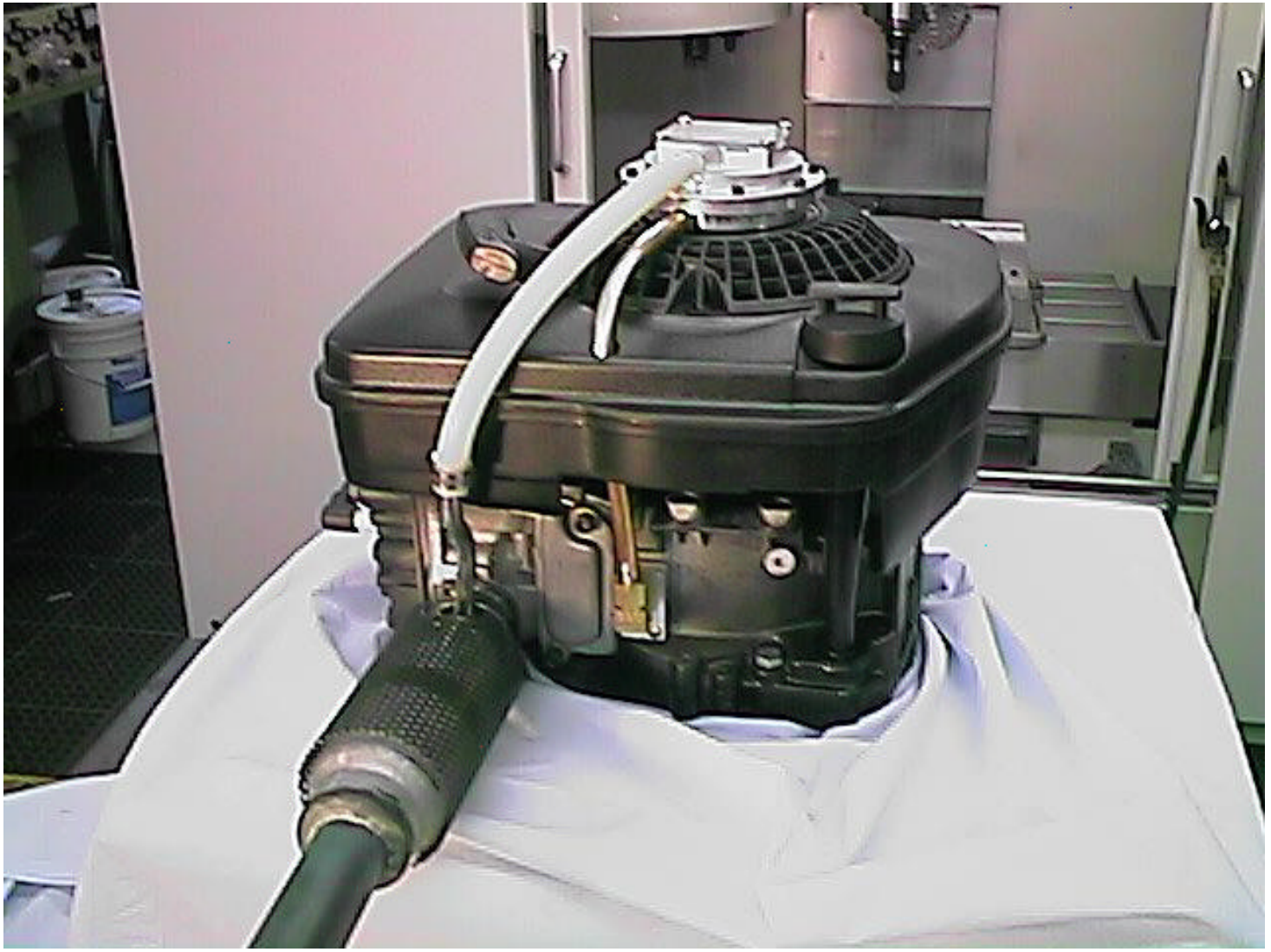
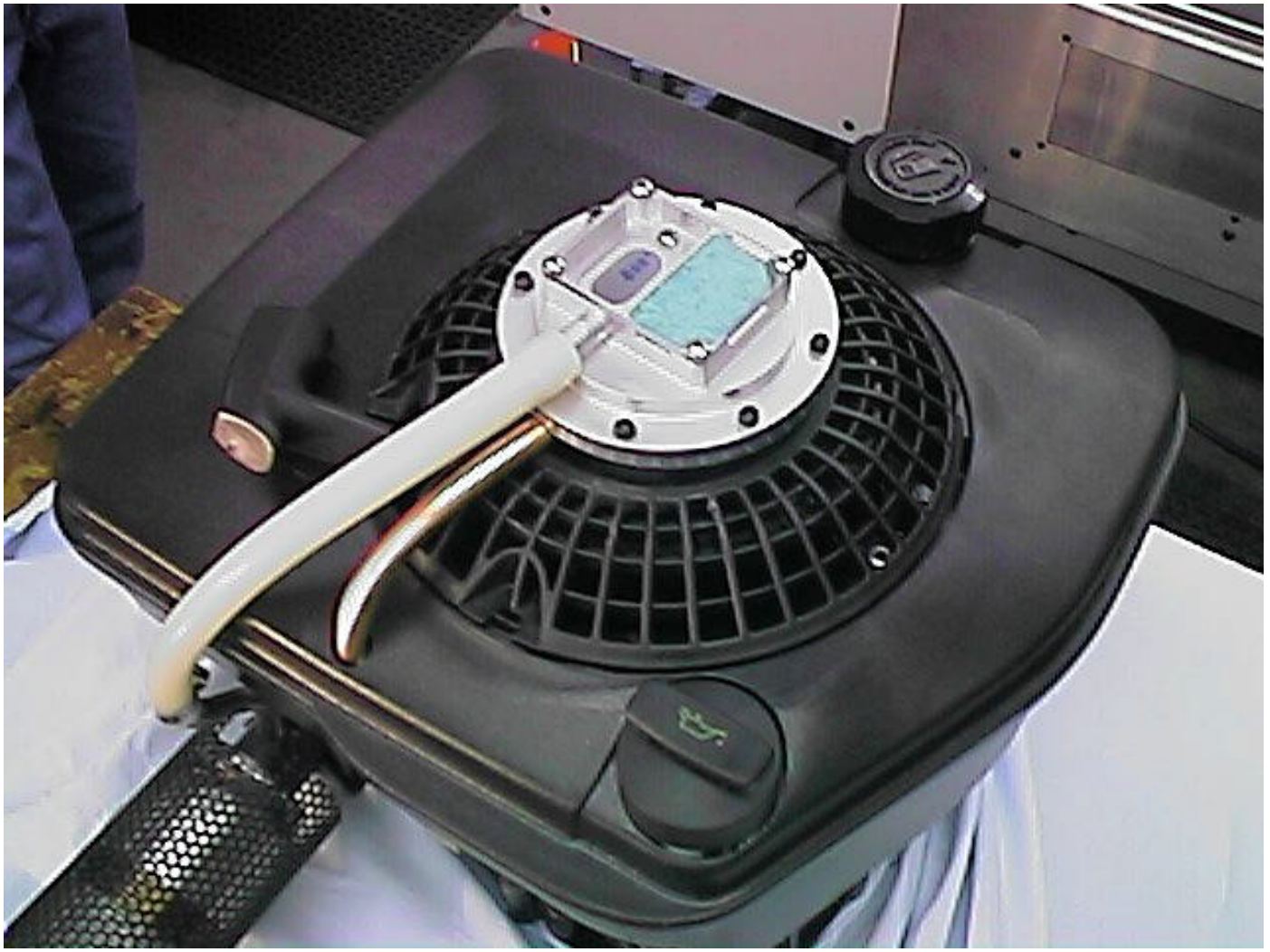
Paul S. Maurer
8658 Selly Road
Parker, CO 80134
303-841-7781

Maurdyne Industries, Inc.

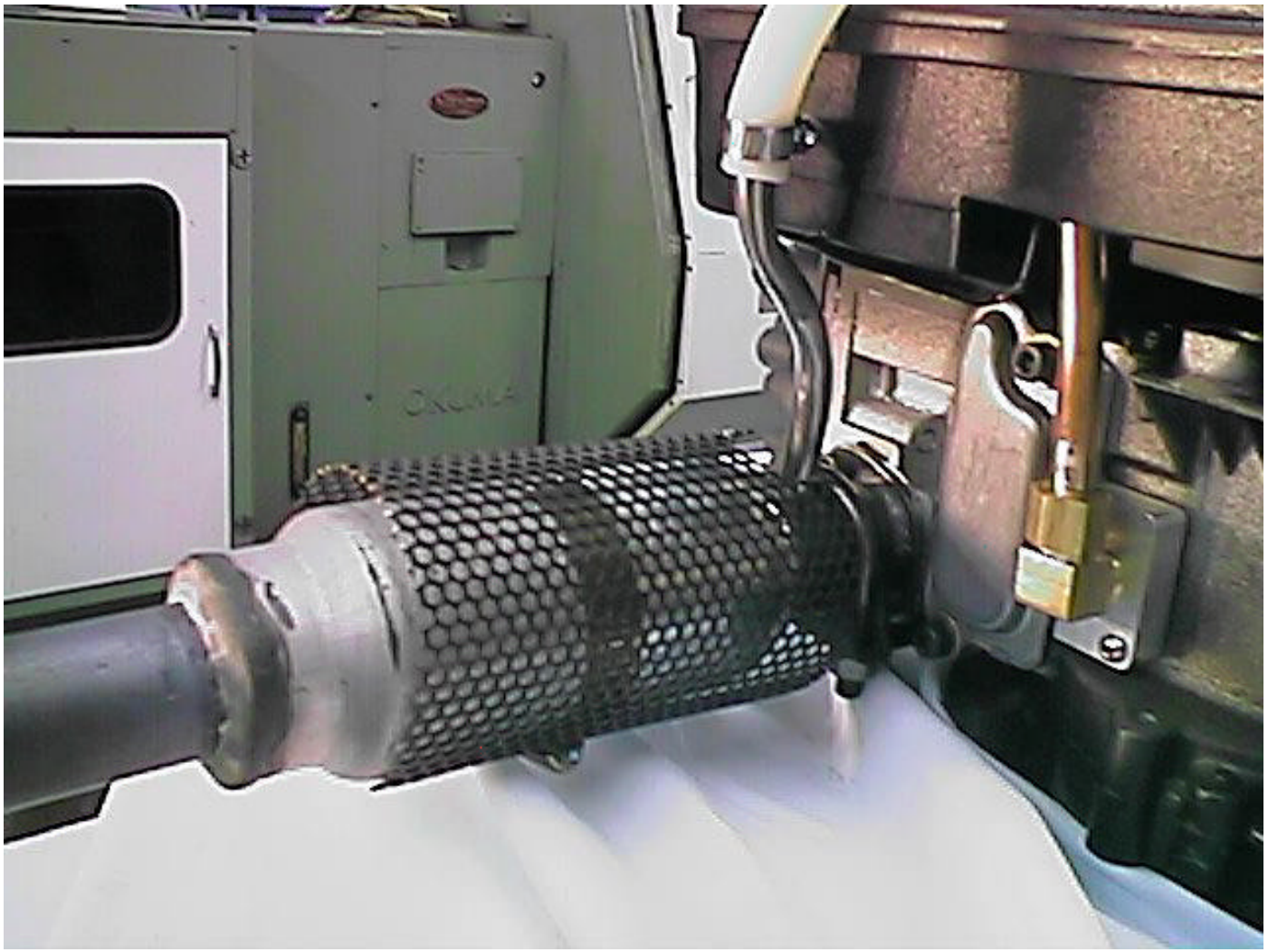


Maurdyne Industries, Inc.



Maurdyne Industries, Inc.

Air pump actuator plate on side of crankcase and converter heat shielding.



Maurdyne Industries, Inc.

Briggs & Stratton (TORO) 6.5 HP 190 cc OHV Vertical Shaft Engine
[Engine Model and Type: 123602 -0131-E1; Engine Code: 98043056]

Catalyst: 400 cells per sq. in. ceramic substrate; prototype no. MD25Pd-01
Core size: approx. 1.5" dia. X 2.0" length
Air Pump: Crankcase actuated w/ 3.0" dia. convoluted diaphragm (2.0" insert dia.; spring-biased)
Output: 0.75 to 1.3 cfm

	Field Use Hours	Engine Configuration	HC g/bhp- hr [g/kw-hr]	NOx g/bhp- hr [g/kw-hr]	CO g/bhp- hr [g/kw-hr]	HC + NOx g/bhp- hr [g/kw-hr]
	0 hours	Stock	9.214 [12.356]	4.080 [5.471]	383.276 [513.972]	13.294 [17.828]
		Cat. + Air Inj.	2.690 [3.608]	0.597 [0.801]	95.788 [128.452]	3.287 [4.408]
% Emission Reduction from Stock			70.8%	85.4%	75.0%	75.3%
	65.0 hours	Stock	15.963 [21.407]	2.938 [3.939]	459.434 [616.101]	18.901 [25.346]
		Cat. + Air Inj.	4.573 [6.133]	2.650 [3.554]	97.105 [130.218]	7.223 [9.686]
% Emission Reduction from Stock			71.4%	9.8%	78.9%	61.8%
Emissions deterioration = Emis. @ 65 hrs / Emis. @ 0 hrs		Stock	1.73	0.72	1.20	1.42
		Cat. + Air Inj.	1.70	4.44	1.01	2.20
	125.1 hours	Stock	9.843 [13.199]	4.154 [5.571]	301.861 [404.796]	13.997 [18.770]
		Cat. + Air Inj.	4.574 [6.133]	3.078 [4.127]	95.551 [128.134]	7.652 [10.261]
% Emission Reduction from Stock			53.5%	25.9%	68.3%	45.3%
Emissions deterioration = Emis. @ 125.1 hrs / Emis. @ 0 hrs		Stock	1.07	1.02	0.79	1.05
		Cat. + Air Inj.	1.70	5.16	1.00	2.33

Maurdyne Industries, Inc.

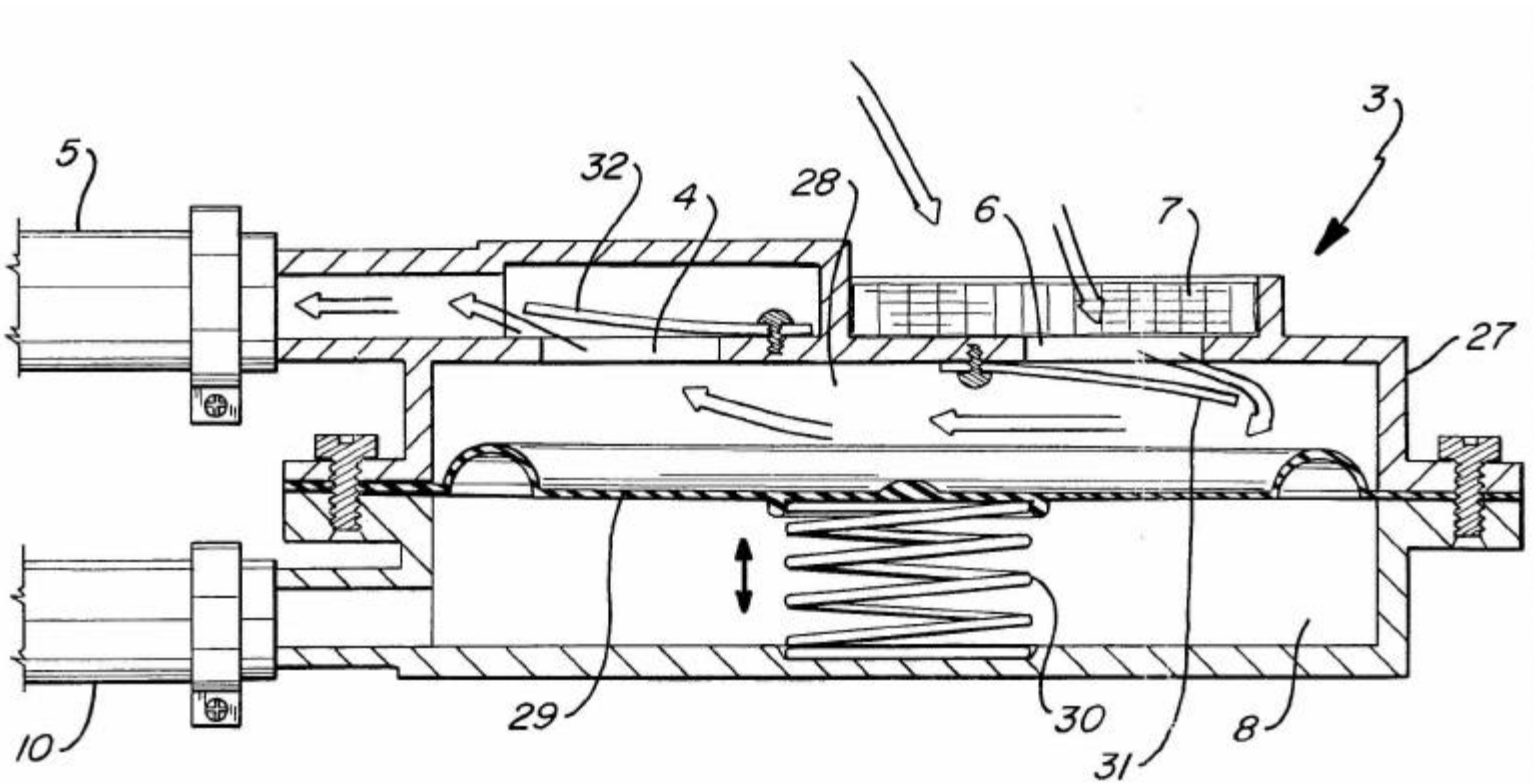


Fig_7