

US00D660891S

(12) **United States Design Patent**
Sannomiya

(10) **Patent No.:** **US D660,891 S**
(45) **Date of Patent:** **** May 29, 2012**

(54) **MOTOR ACTUATOR**

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(73) Assignee: **TGK Co., Ltd.**, Hachioji (JP)

(**) Term: **14 Years**

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(30) **Foreign Application Priority Data**

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(51) **LOC (9) Cl.** **15-09**

(52) **U.S. Cl.** **D15/143**

(58) **Field of Classification Search** D13/158,
D13/162, 171, 174, 184; D15/5, 7, 9, 143,
D15/148, 199; 29/359, 596, 883, 884; 74/71,
74/83, 89.15, 112, 411.5, 490.09; 251/129.11;
297/14, 325, 327; 310/10, 12, 15, 20, 71,
310/80, 83, 89, 112, 300; 475/149, 249,
475/343

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,937,507 A * 8/1999 Asakura et al. 29/596
6,028,384 A * 2/2000 Billman et al. 310/83
6,712,727 B2 * 3/2004 Kujira et al. 475/149
7,070,117 B2 * 7/2006 Kook 236/74 R
D587,661 S * 3/2009 Blakesley D13/174
D614,148 S * 4/2010 Crites D13/174

D620,961 S * 8/2010 Iversen D15/143
D639,321 S * 6/2011 Torii et al. D15/143
2008/0224553 A1 * 9/2008 Abe et al. 310/71
2009/0115270 A1 * 5/2009 Huang et al. 310/71
2011/0291502 A1 * 12/2011 Tang et al. 310/71

* cited by examiner

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(57) **CLAIM**

The ornamental design for a motor actuator, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a motor actuator showing my new design;

FIG. 2 is a rear elevational view thereof;

FIG. 3 is a left side view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is a plan view thereof;

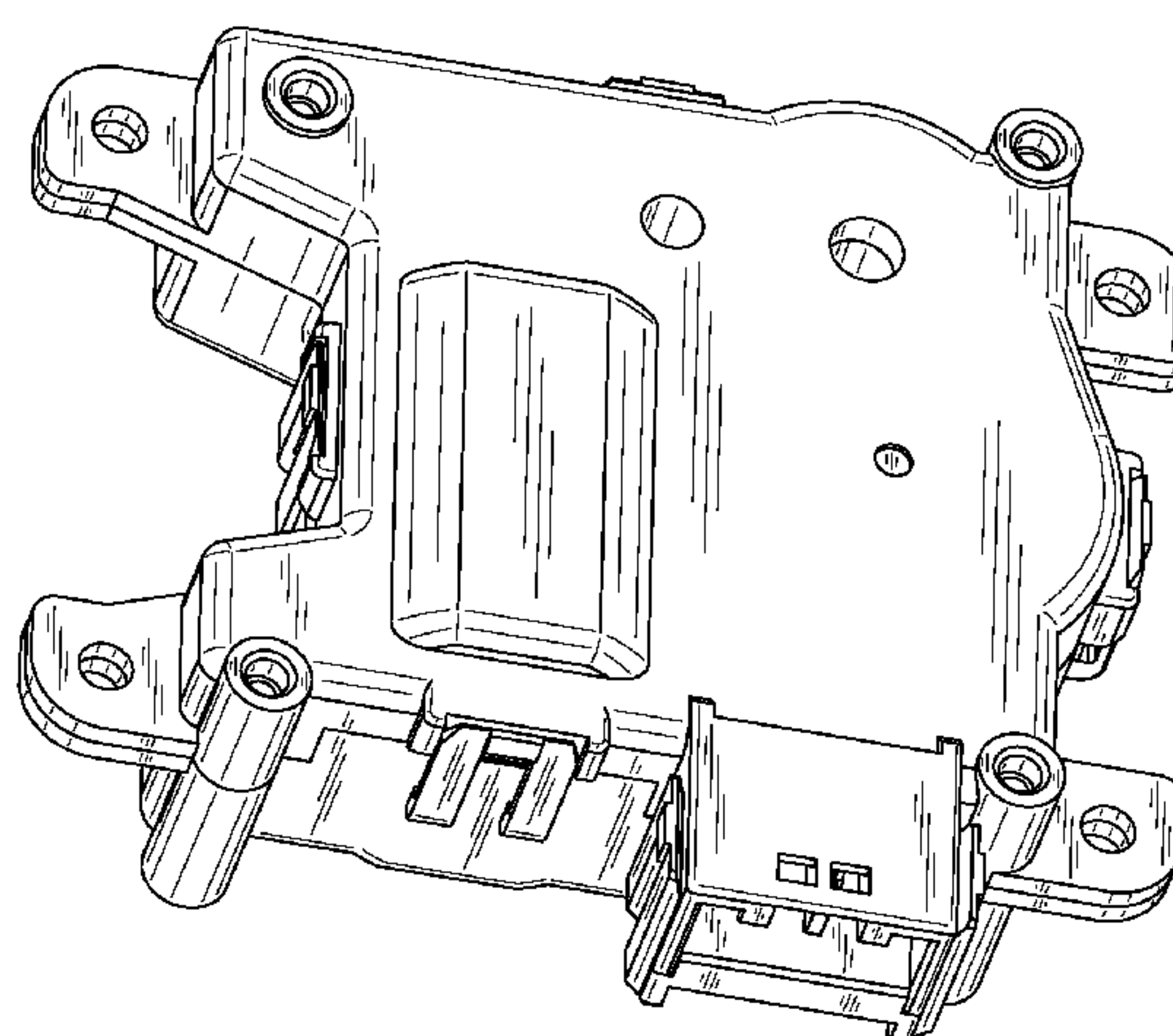
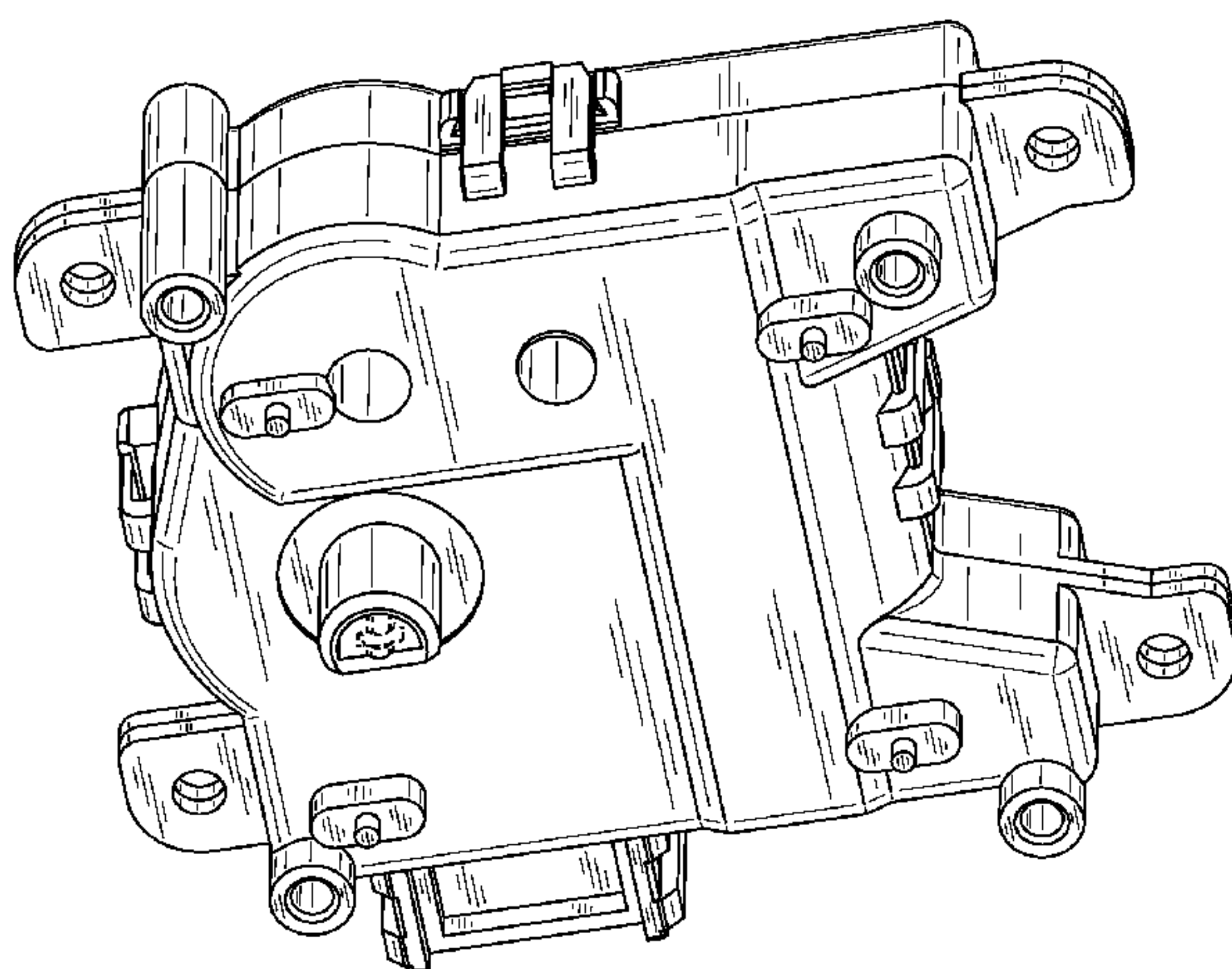
FIG. 6 is a bottom plan view thereof;

FIG. 7 is a view showing the front, plane, and right side thereof; and,

FIG. 8 is a view showing the rear, right side, and bottom thereof.

The broken lines indicate environmental structure only, and form no part of the claimed design.

1 Claim, 8 Drawing Sheets



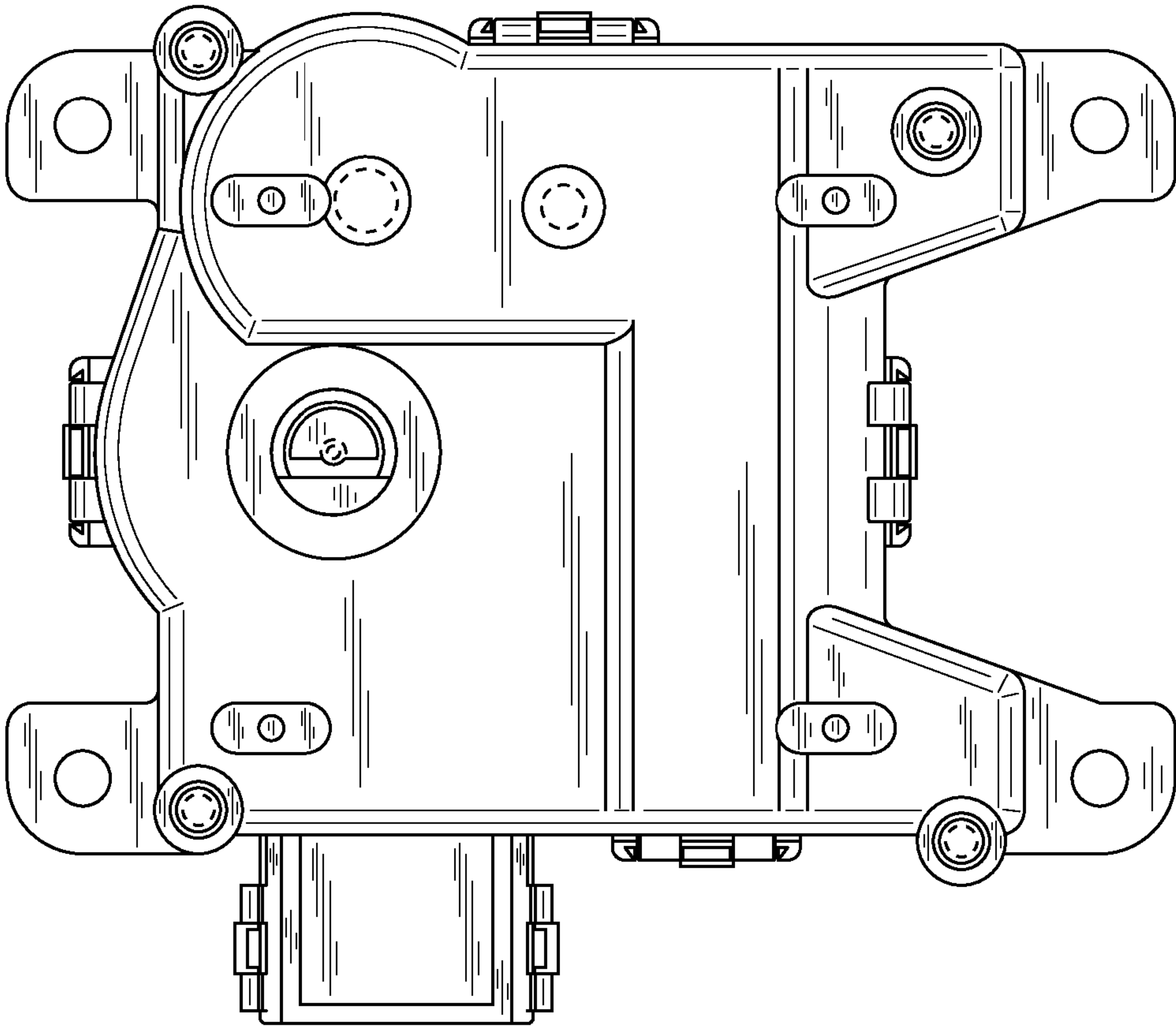


FIG.1

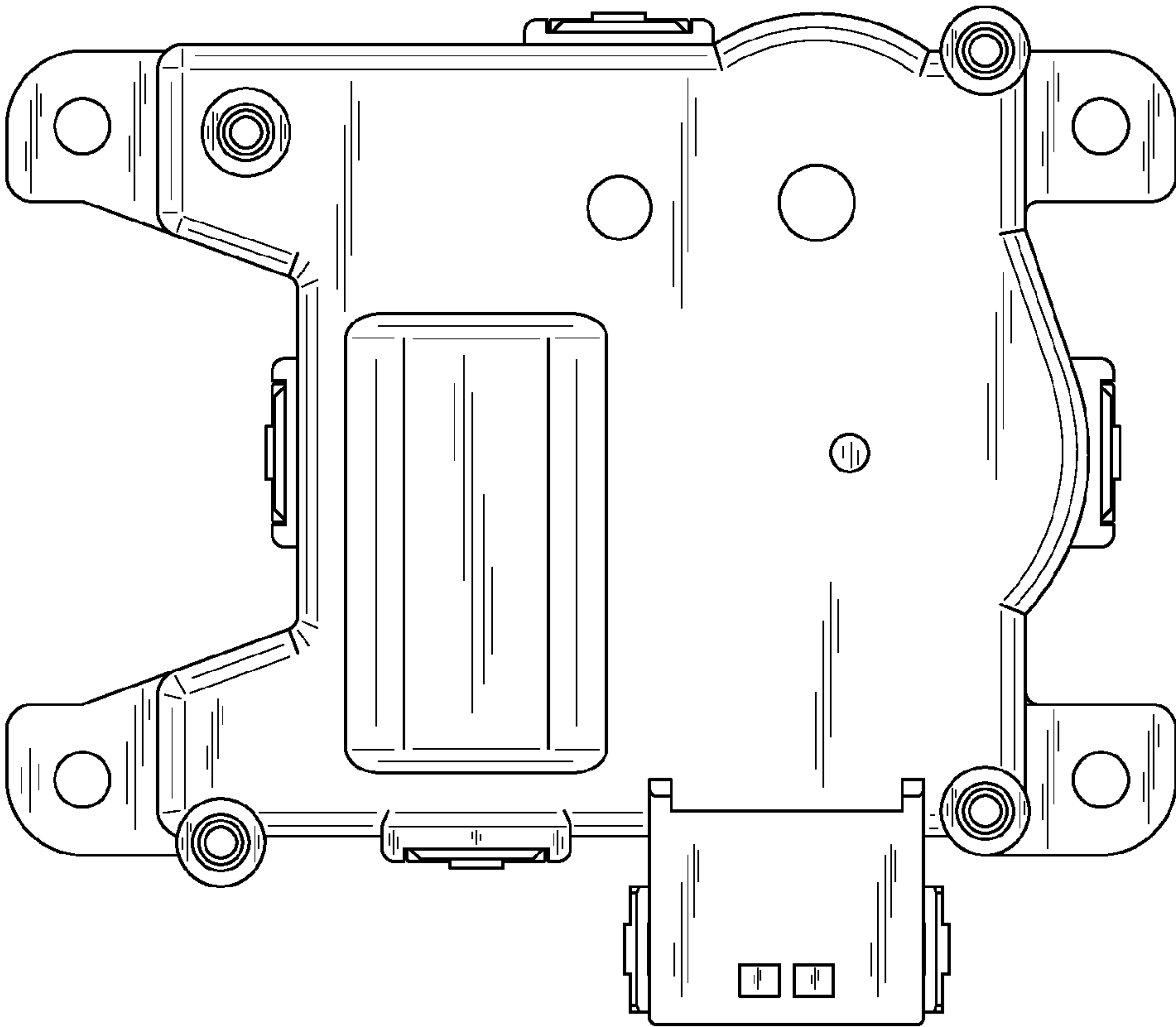


FIG.2

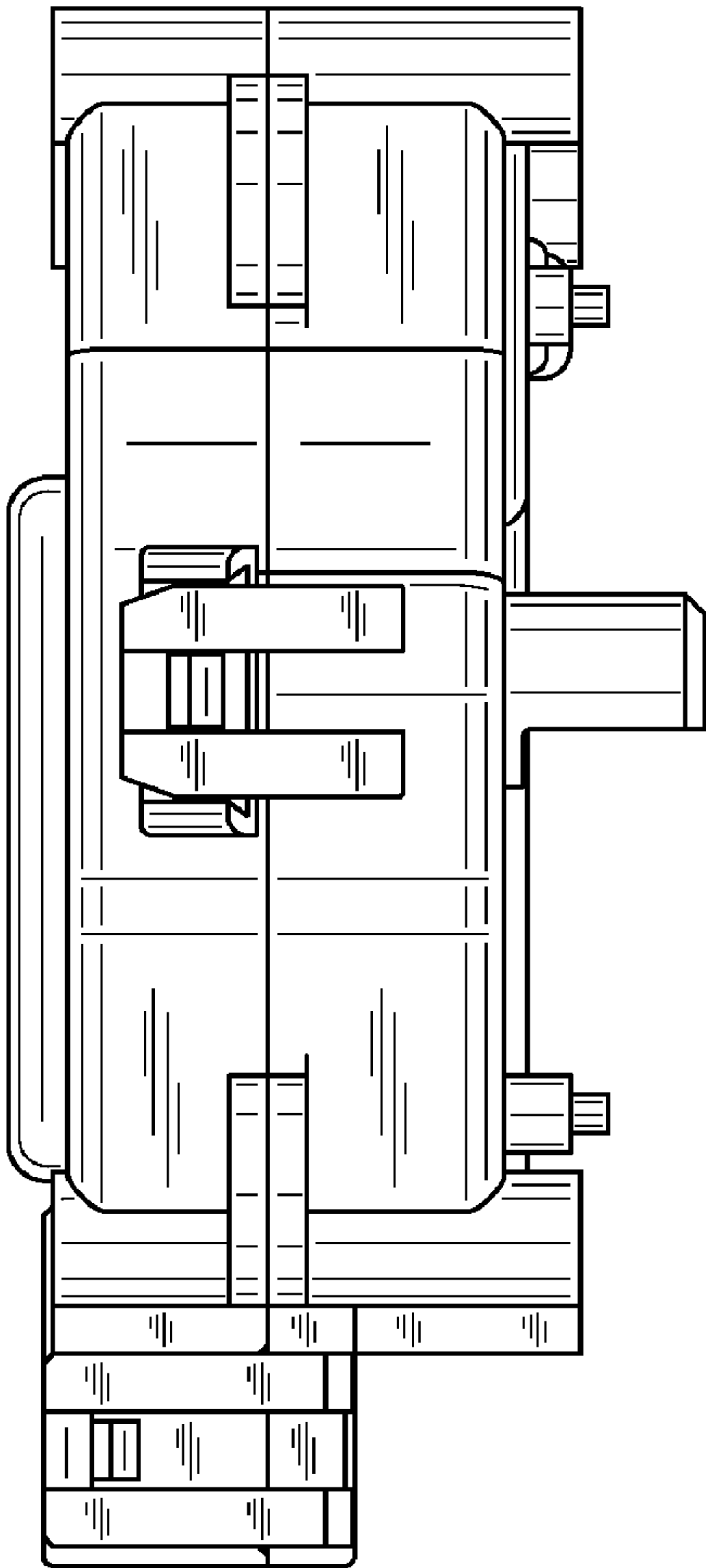


FIG.3

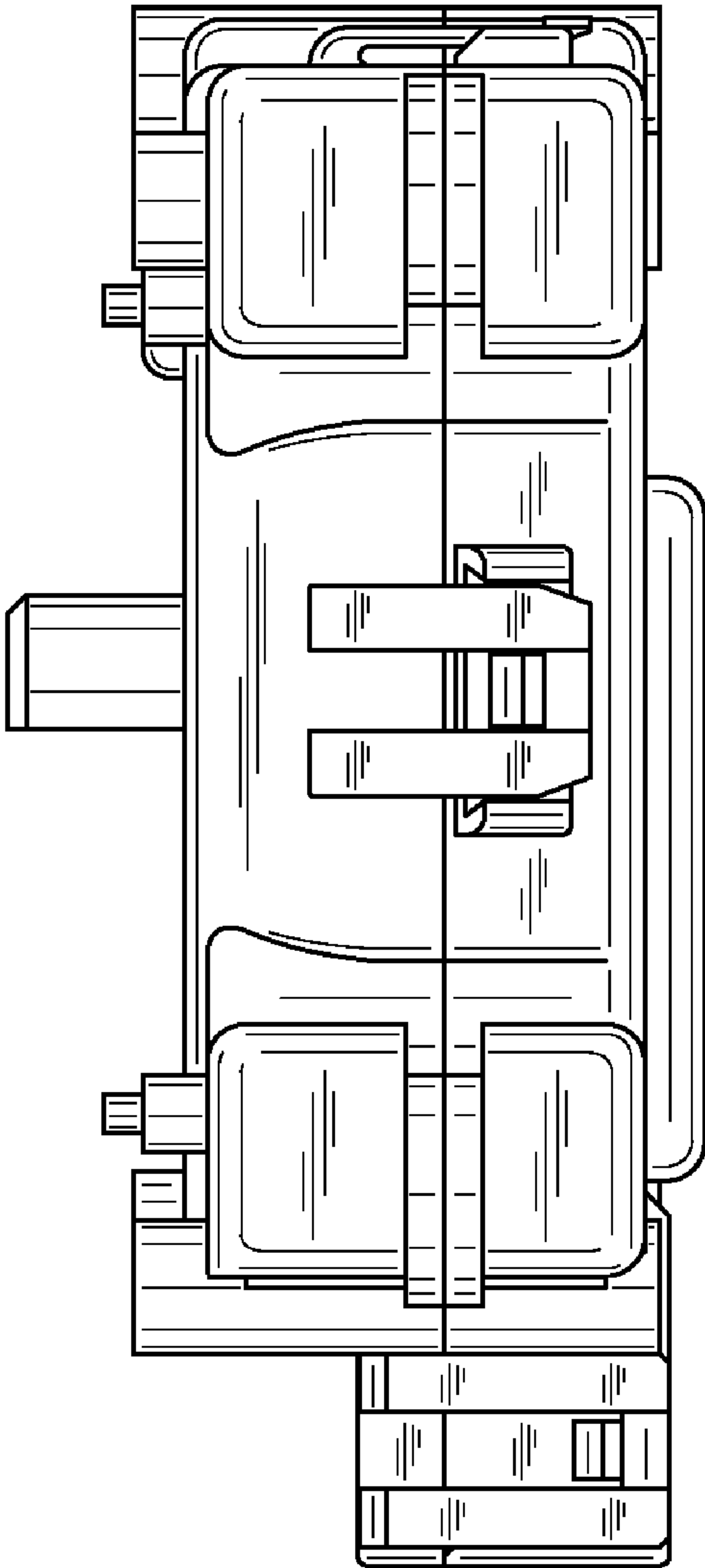


FIG.4

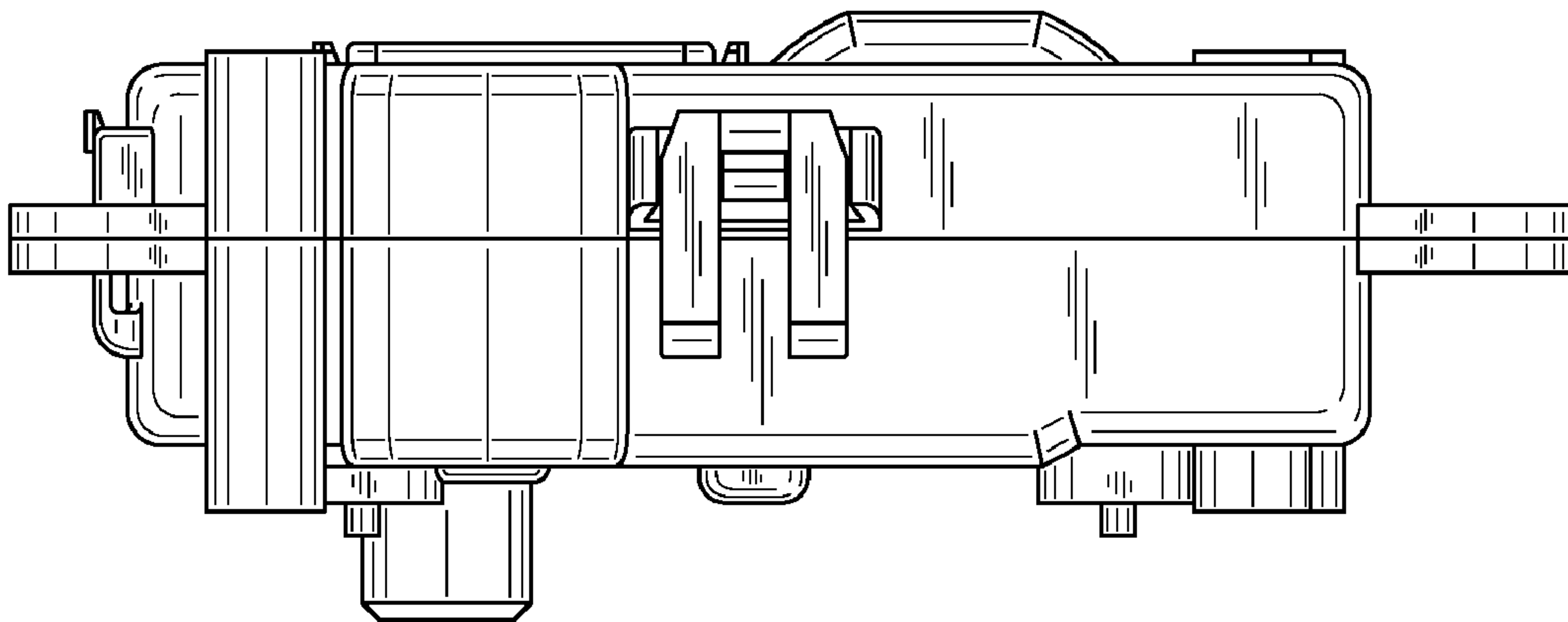


FIG.5

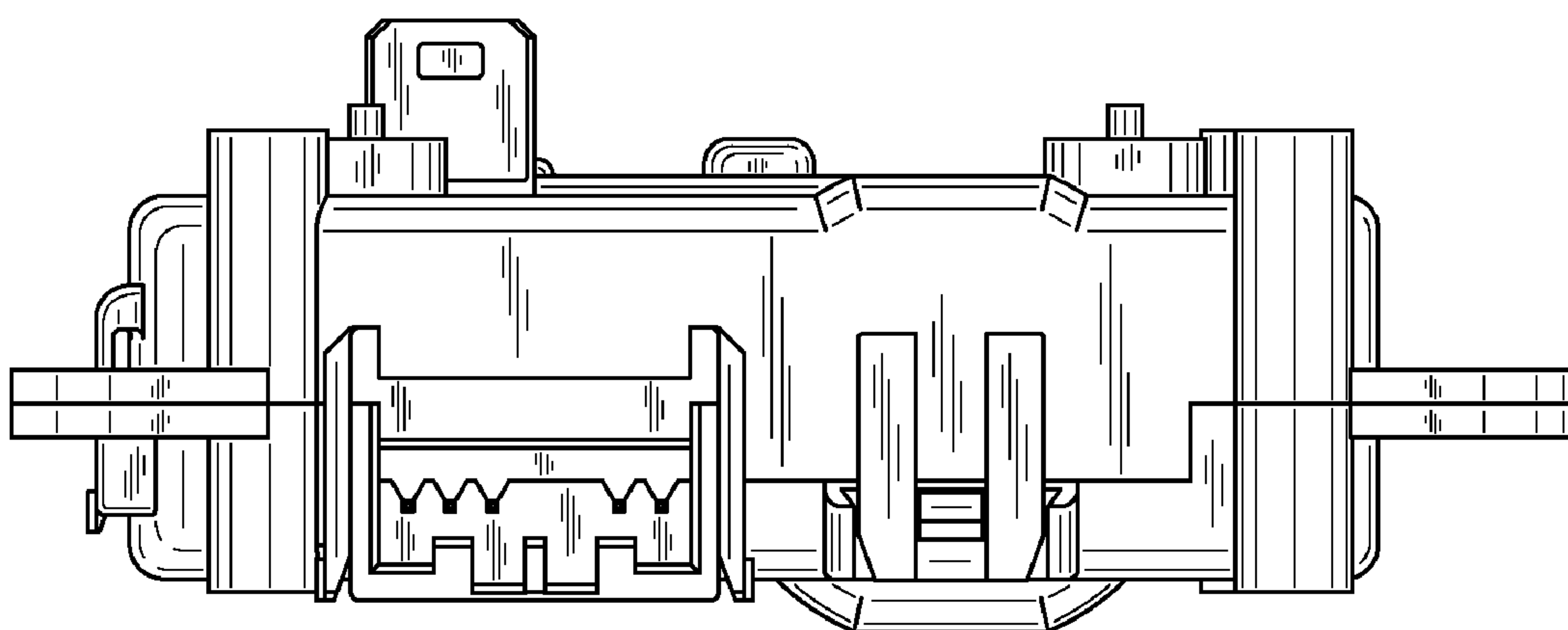


FIG.6

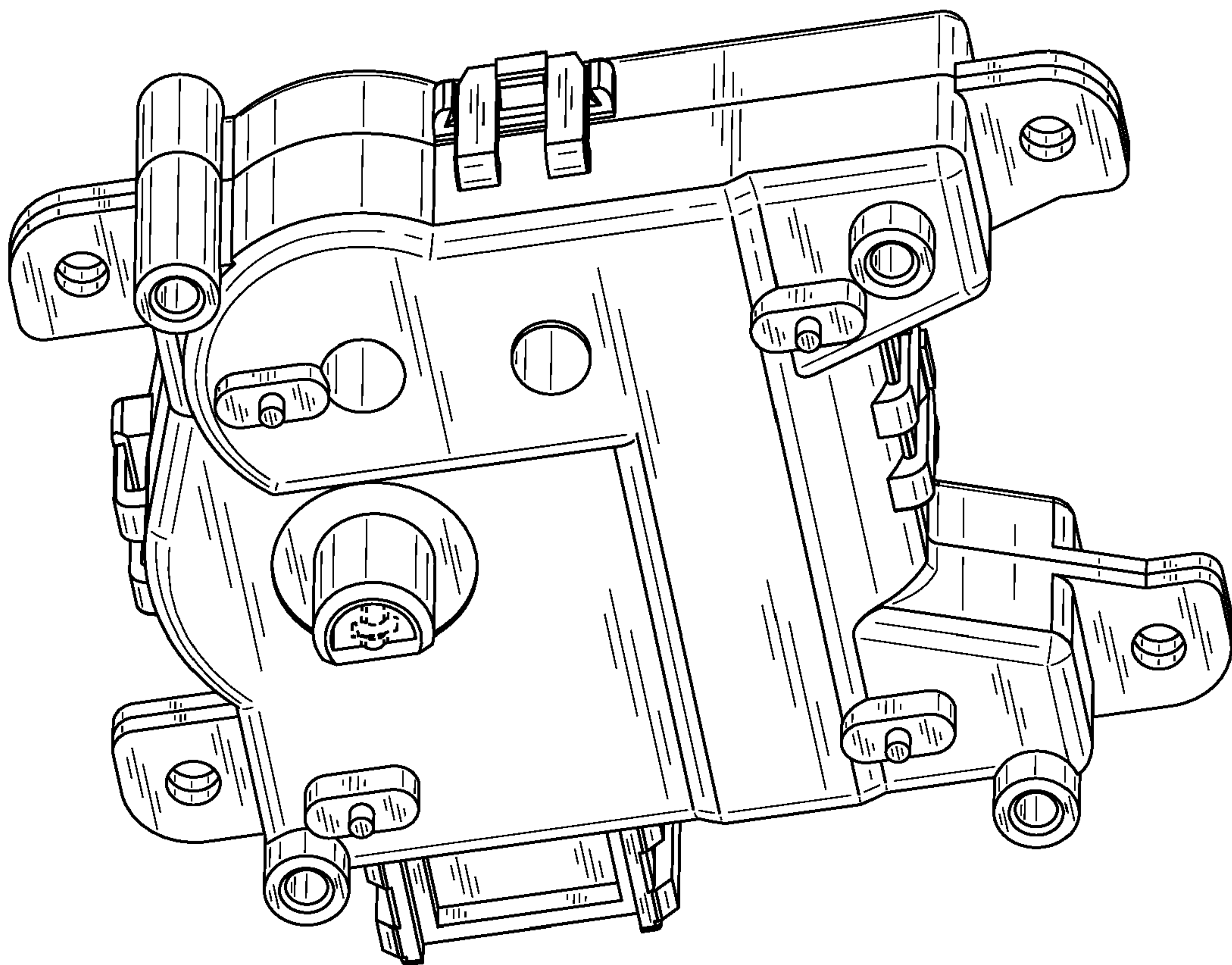


FIG.7

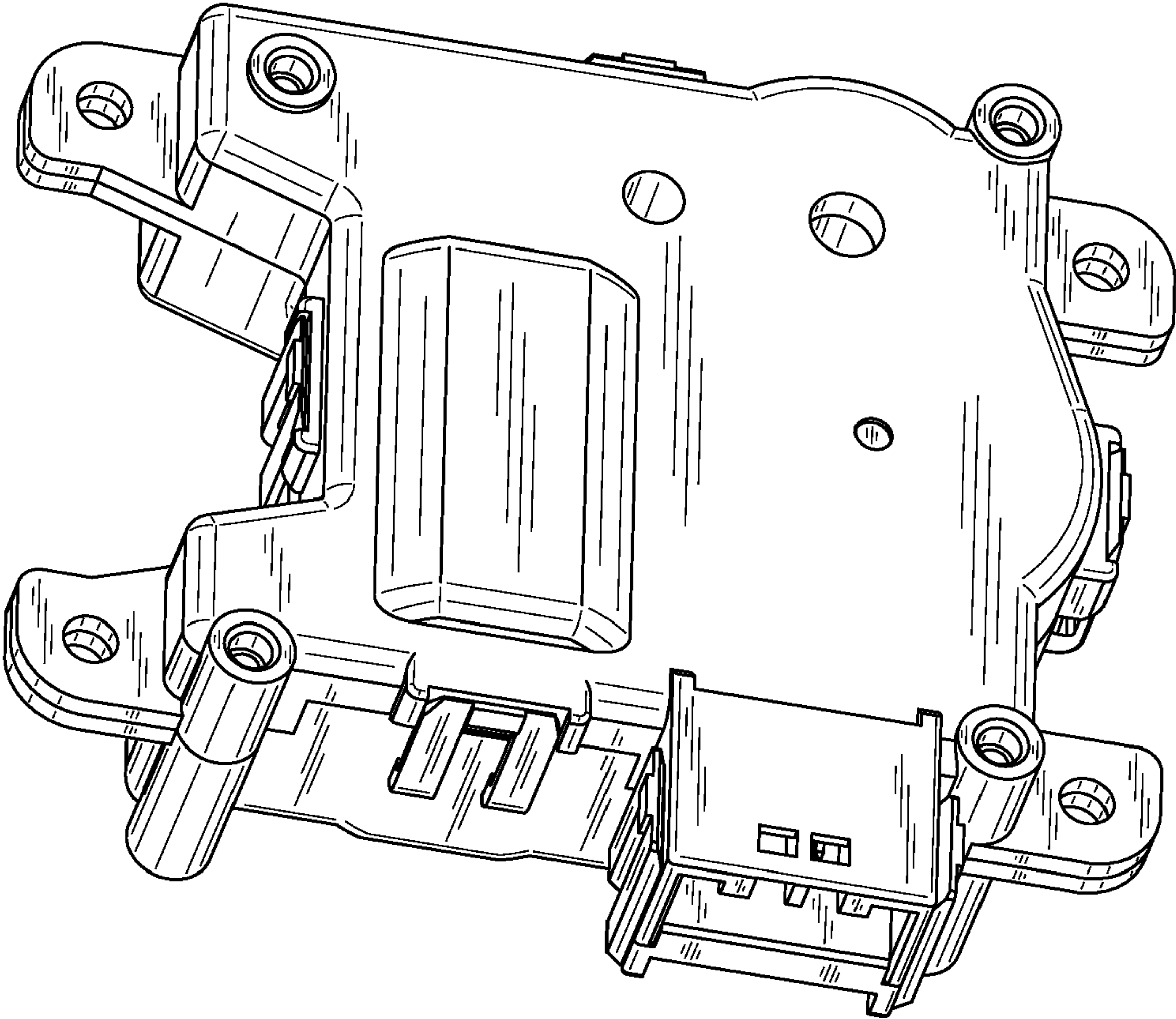


FIG.8