



US00D933713S

(12) **United States Design Patent**  
**Bell et al.**

(10) **Patent No.:** **US D933,713 S**  
(45) **Date of Patent:** **\*\* Oct. 19, 2021**

(54) **ELECTRONIC FUEL INJECTION THROTTLE BODY**  
(71) Applicant: **Holley Performance Products, Inc.**,  
Bowling Green, KY (US)

4,294,282 A 10/1981 McCabe et al.  
4,306,441 A 12/1981 Dodson  
4,318,214 A 3/1982 Dodson  
4,325,339 A 4/1982 Bier et al.  
4,357,283 A 11/1982 Manning  
(Continued)

(72) Inventors: **Robert M. Bell**, Bowling Green, KY (US); **Matthew Lunsford**, Bowling Green, KY (US); **William Kangas**, Bowling Green, KY (US)

**FOREIGN PATENT DOCUMENTS**

AU 339157 10/2011  
AU 341133 2/2012  
(Continued)

(73) Assignee: **Holley Performance Products, Inc.**,  
Bowling Green, KY (US)

**OTHER PUBLICATIONS**

(\*\*) Term: **15 Years**

U.S. Appl. No. 29/628,392 entitled "EFI Throttle Body" filed Dec. 4, 2017.

(21) Appl. No.: **29/718,300**

(Continued)

(22) Filed: **Dec. 23, 2019**

*Primary Examiner* — Ania Aman  
(74) *Attorney, Agent, or Firm* — Middleton Reutlinger

**Related U.S. Application Data**

(63) Continuation-in-part of application No. 29/707,399, filed on Sep. 27, 2019.

(51) **LOC (13) Cl.** ..... **15-01**

(52) **U.S. Cl.**  
USPC ..... **D15/5**

(58) **Field of Classification Search**  
USPC ..... D15/1-6  
CPC .... F02M 69/52; F02M 69/043; F02M 69/462;  
F02M 69/54; F02M 63/0056; F02M 63/02; F02M 51/005; F02M 51/02; F02M 69/04; F02D 9/1035; F02D 9/105; F02D 11/10  
See application file for complete search history.

**CLAIM**

(57) The ornamental design for an electronic fuel injection throttle body, as shown and described.

**DESCRIPTION**

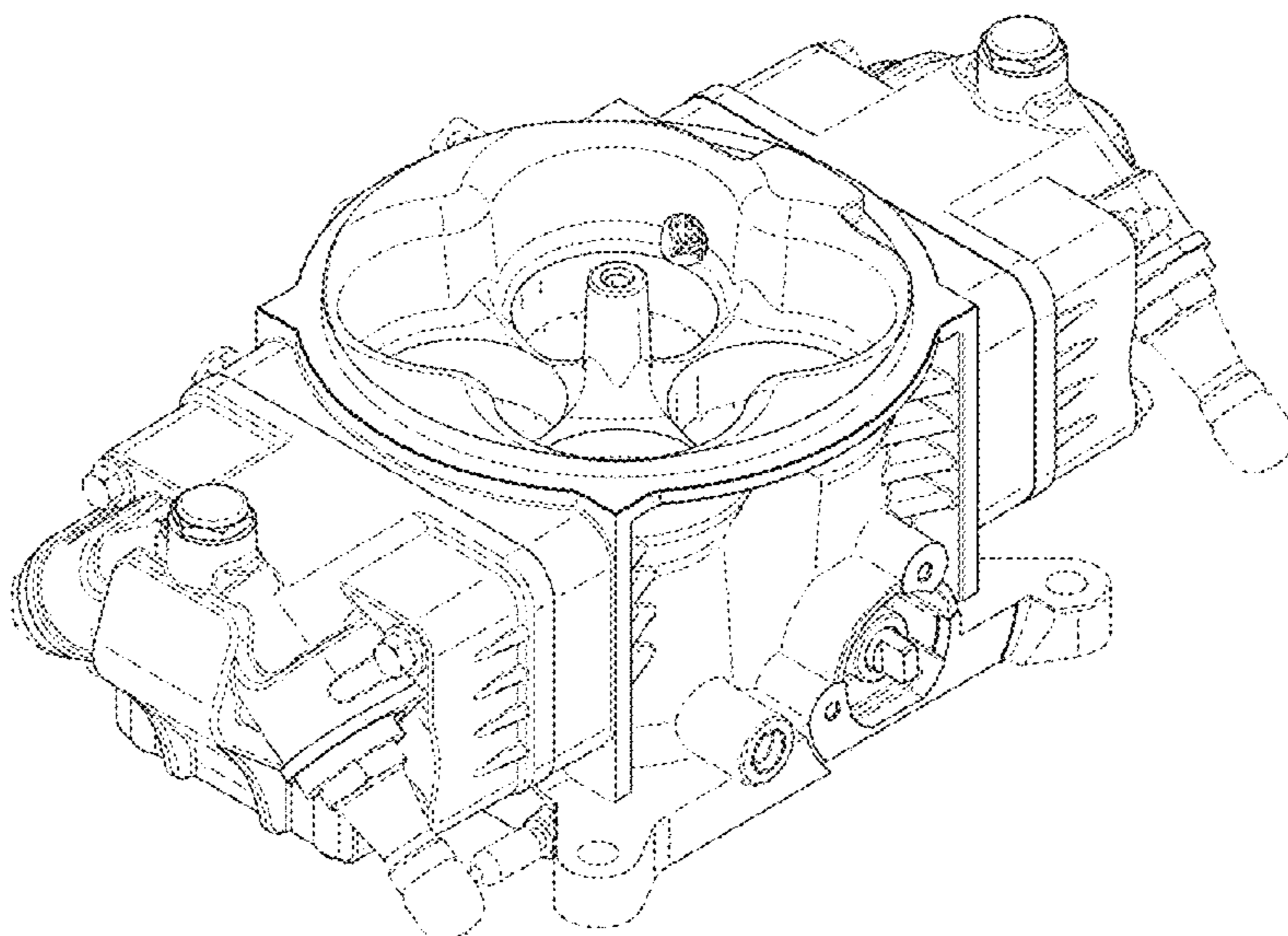
FIG. 1 is an upper perspective view of an electronic fuel injection throttle body design;  
FIG. 2 is a top view of the design of FIG. 1;  
FIG. 3 is a bottom view of the design of FIG. 1;  
FIG. 4 is a first side view of the design of FIG. 1;  
FIG. 5 is a second side view of the design of FIG. 1;  
FIG. 6 is a front view of the design of FIG. 1;  
FIG. 7 is a rear view of the design of FIG. 1; and,  
FIG. 8 is a lower perspective view of the design of FIG. 1. The broken lines shown in the drawings are included for the purpose of illustrating the unclaimed boundary and/or unclaimed portions of the electronic fuel injection throttle body. The broken lines form no part of the claimed design.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,224,908 A 9/1980 Bier et al.  
4,230,645 A 10/1980 Dodson  
4,246,875 A 1/1981 Bier et al.

**1 Claim, 8 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

4,434,762 A 3/1984 McCabe  
 4,434,763 A 3/1984 McCabe et al.  
 4,556,032 A 12/1985 Miller  
 4,949,983 A 8/1990 Miller  
 5,261,382 A 11/1993 Nikolai  
 5,809,972 A \* 9/1998 Grant ..... F02M 71/00  
 123/472  
 5,863,470 A \* 1/1999 Grant ..... F02M 9/14  
 261/23.2  
 6,120,007 A \* 9/2000 Grant ..... F02M 9/14  
 261/23.2  
 D447,147 S 8/2001 Grant  
 6,286,817 B1 \* 9/2001 Grant ..... F02M 5/12  
 116/276  
 6,481,698 B1 11/2002 Calvin et al.  
 D508,496 S 8/2005 Grant  
 D543,555 S 5/2007 Braswell et al.  
 D555,668 S 11/2007 Benoit  
 D578,550 S 10/2008 Benoit  
 7,533,661 B2 5/2009 Baasch  
 7,591,245 B2 9/2009 Baasch et al.  
 D645,058 S 9/2011 Benoit  
 D648,746 S 11/2011 Tipton et al.  
 D655,311 S 3/2012 Gieske et al.  
 D659,714 S 5/2012 Gieske et al.  
 D721,389 S 1/2015 Gieske et al.  
 9,115,671 B2 8/2015 Benoit  
 9,303,578 B2 4/2016 Wittkopf et al.  
 9,376,997 B1 6/2016 Farrell et al.  
 D760,804 S 7/2016 Shehan et al.  
 9,482,198 B1 11/2016 Farrell et al.  
 9,845,740 B2 12/2017 Wittkopf et al.  
 D808,435 S 1/2018 Shehan et al.  
 D810,142 S 2/2018 Shehan et al.  
 10,012,197 B2 7/2018 Flynn et al.  
 D826,280 S 8/2018 Koo et al.  
 10,094,353 B2 10/2018 Bennett et al.  
 10,294,902 B2 5/2019 Shehan et al.  
 10,570,866 B2 2/2020 Flynn et al.  
 D877,201 S 3/2020 Shehan et al.  
 2009/0145406 A1 6/2009 Farrell et al.  
 2013/0298871 A1 11/2013 Bennett et al.  
 2014/0123944 A1 \* 5/2014 Benoit ..... F02M 17/34  
 123/445  
 2015/0108256 A1 4/2015 Flynn et al.  
 2017/0198672 A1 7/2017 Farrell et al.  
 2018/0119656 A1 5/2018 Shehan et al.  
 2019/0170069 A1 6/2019 Shehan et al.  
 2019/0170070 A1 6/2019 Shehan et al.  
 2019/0242345 A1 8/2019 Shehan et al.  
 2019/0345883 A1 11/2019 Bell et al.  
 2019/0345905 A1 11/2019 Whittle

FOREIGN PATENT DOCUMENTS

AU 348732 5/2013  
 AU 348733 5/2013  
 AU 348734 5/2013  
 AU 356762 8/2014  
 AU 201710470 2/2017  
 AU 201710471 2/2017  
 AU 2013254906 11/2017  
 AU 201813353 8/2018  
 AU 201813355 8/2018  
 AU 201815034 9/2018  
 AU 201815036 9/2018  
 AU 201816623 12/2018  
 AU 201816624 12/2018  
 AU 202010277 3/2020  
 CA 2832503 5/2014  
 CN 101568711 4/2013

EM 003729599 1/2017  
 WO 2019112961 A1 6/2019  
 WO 2019112963 A1 6/2019  
 WO 2019217311 A1 11/2019  
 WO 2019217436 A1 11/2019

OTHER PUBLICATIONS

Holley Performance Products, Inc., 2017 New & Hot Products Catalogue—Carburetors, Nov. 1, 2016.  
 U.S. Appl. No. 62/594,526 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Dec. 4, 2017.  
 Australian Patent Application No. 2017251869 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Oct. 30, 2017.  
 U.S. Appl. No. 62/594,527 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Dec. 4, 2017.  
 U.S. Appl. No. 16/404,308, filed May 6, 2019 titled “Electronic Fuel Injection Throttle Body Assembly.”  
 U.S. Appl. No. 62/669,052 entitled “Electronic Fuel Injection Throttle Body Assembly” filed May 9, 2018.  
 Wikipedia, Quadrajets, Rochester Products spread bore carburetor introduced in 1964, retrieved from internet on Apr. 16, 2019.  
 U.S. Appl. No. 16/208,246 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Dec. 3, 2018.  
 U.S. Appl. No. 29/647,060 entitled “Electronic Fuel Injection Throttle Body” filed May 9, 2018.  
 U.S. Appl. No. 62/669,094 entitled “Electronic Fuel Injection Throttle Body Assembly” filed May 9, 2018.  
 U.S. Appl. No. 62/726,723 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Sep. 4, 2018.  
 Mopar Performance P5249686 Jeep MPI-Fuel, Sep. 2, 2016.  
 Howell EFI Fuel Injection Conversion Kit, JP258, Apr. 29, 2015.  
 F.A.S.T. EZ-EFI Self-Tuning Fuel Injection Systems 30294-Kit TBI Conversion Kit, Jun. 30, 2015.  
 Australian App. No. 202010279 filed Jan. 17, 2020 titled “Electronic Fuel Injection Throttle Body.”  
 International Search Report and Written Opinion for PCT/US2018/063660 dated Mar. 20, 2019.  
 International Search Report and Written Opinion for PCT/US2018/063668 dated Mar. 20, 2019.  
 Canadian Design Patent Application No. 184483 entitled “Electronic Fuel Injection Throttle Body” filed Oct. 31, 2018.  
 Canadian Design Patent Application No. 184482 entitled “Electronic Fuel Injection Throttle Body” filed Oct. 31, 2018.  
 Mexican Design Patent Application No. MX/f/2018/003332 entitled “Electronic Fuel Injection Throttle Body” filed Nov. 8, 2018.  
 Mexican Design Patent Application No. MX/f/2018/003333 entitled “Electronic Fuel Injection Throttle Body” filed Nov. 8, 2018.  
 U.S. Appl. No. 29/647,068 entitled “Electronic Fuel Injection Throttle Body” filed May 9, 2018.  
 Design U.S. Appl. No. 29/707,399, filed Sep. 27, 2019 titled “Electronic Fuel Injection Throttle Body.”  
 Design U.S. Appl. No. 29/718,300, filed Dec. 23, 2019 titled “Electronic Fuel Injection Throttle Body.”  
 Australian App. No. 202010277 filed Jan. 17, 2020 titled “Electronic Fuel Injection Throttle Body.”  
 U.S. Appl. No. 29/688,819 entitled “Electronic Fuel Injection Throttle Body” filed Apr. 24, 2019.  
 U.S. Appl. No. 29/693,670 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Jun. 4, 2019.  
 U.S. Appl. No. 29/695,154 entitled “EFI Throttle Body Assembly” filed Jun. 17, 2019.  
 Design U.S. Appl. No. 29/696,092, filed Jun. 25, 2019 titled “Electronic Fuel Injection Throttle Body.”  
 AU Application No. 202010277 Formalities Notice dated Feb. 24, 2020.  
 Design U.S. Appl. No. 29/707,397, filed Sep. 27, 2019 titled “Electronic Fuel Injection Throttle Body.”

\* cited by examiner

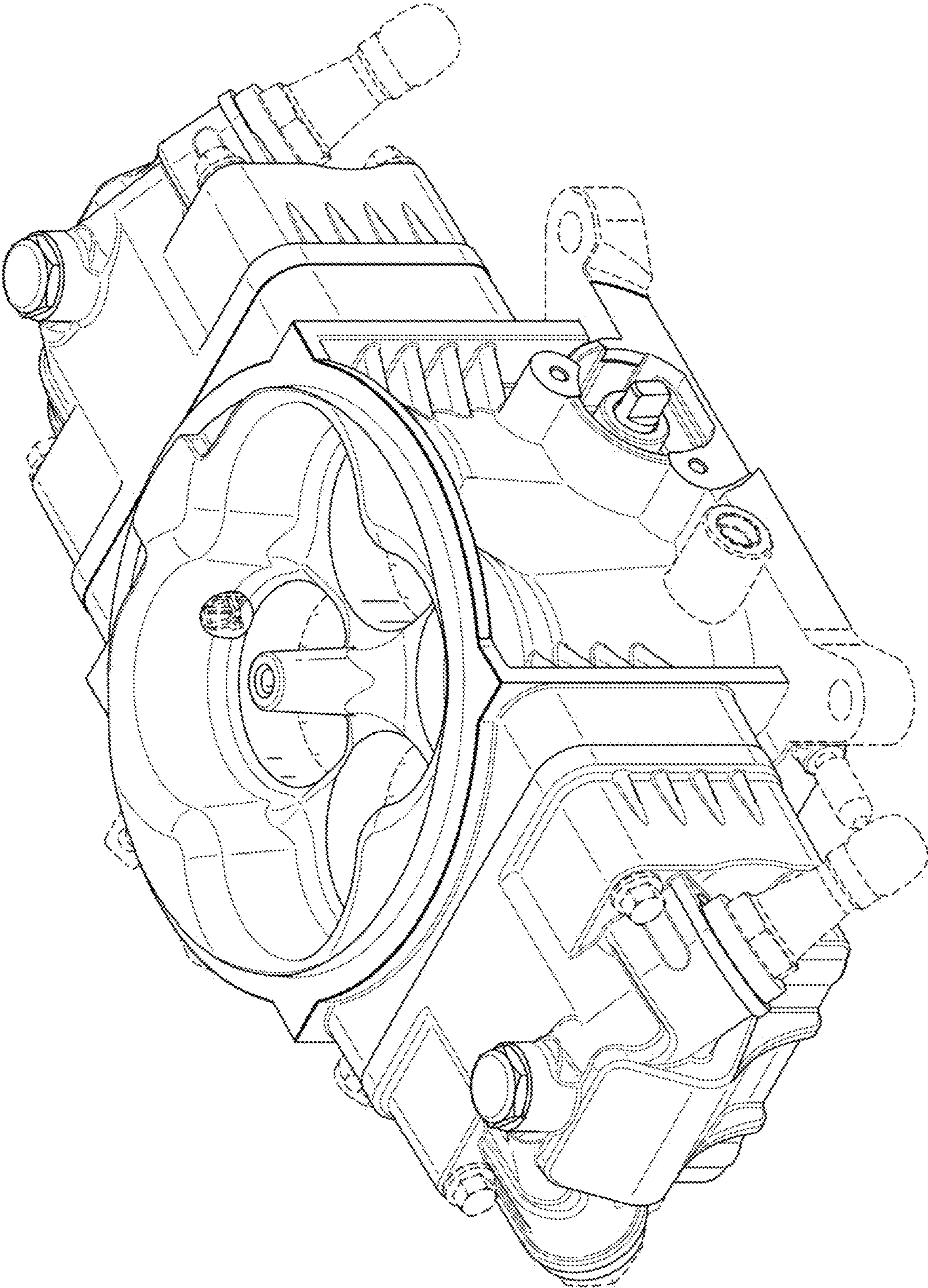


FIG. 1

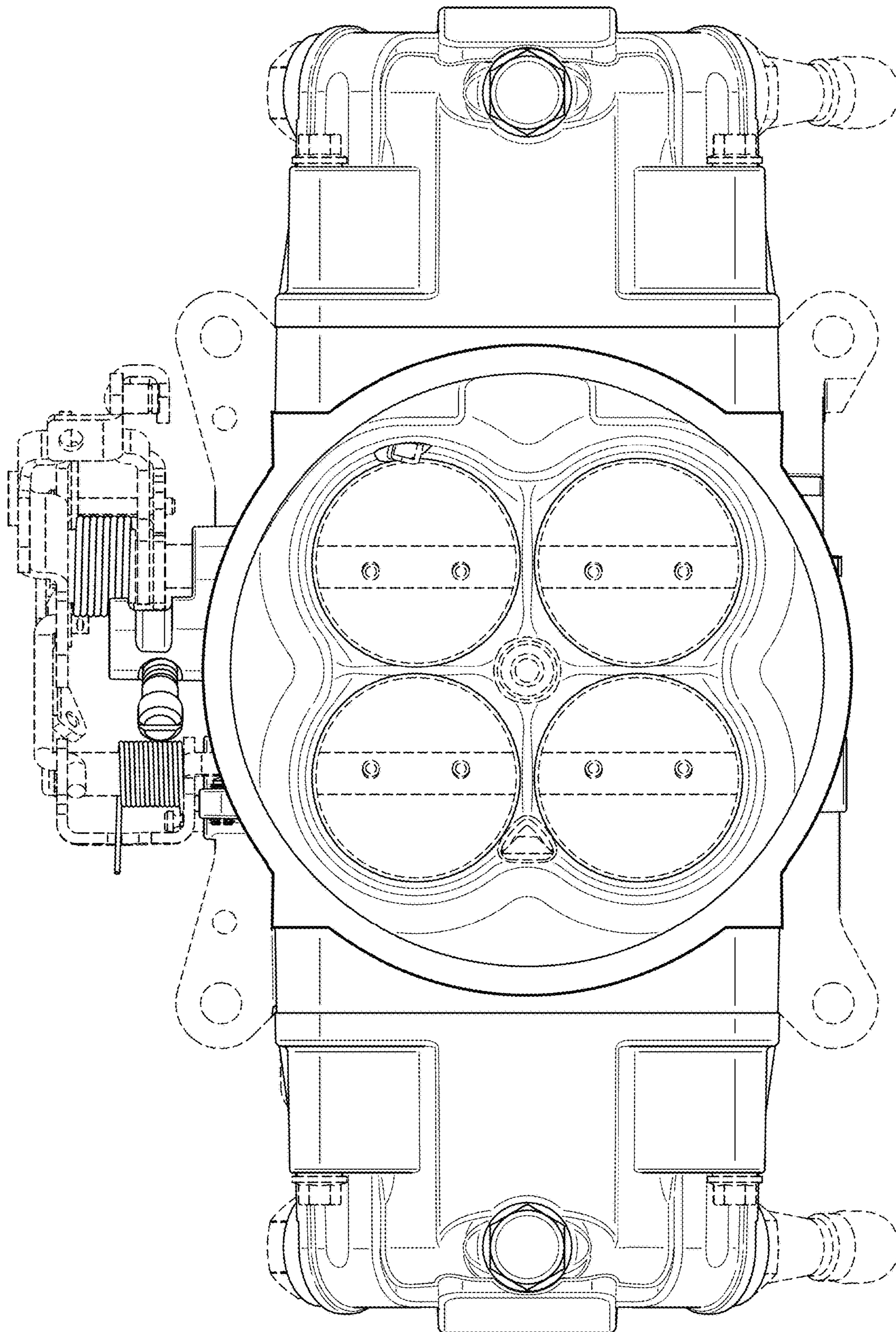


FIG. 2

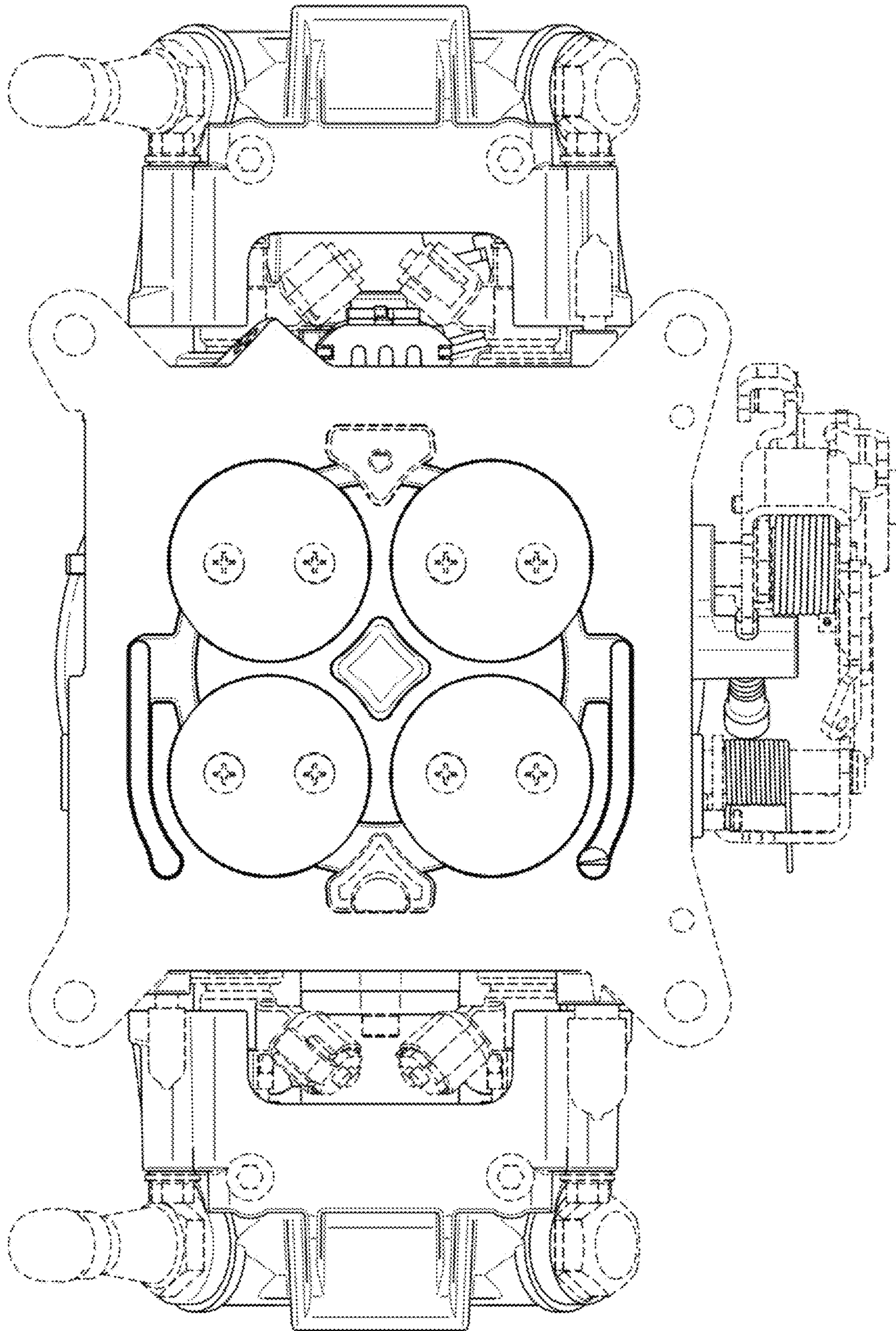


FIG. 3

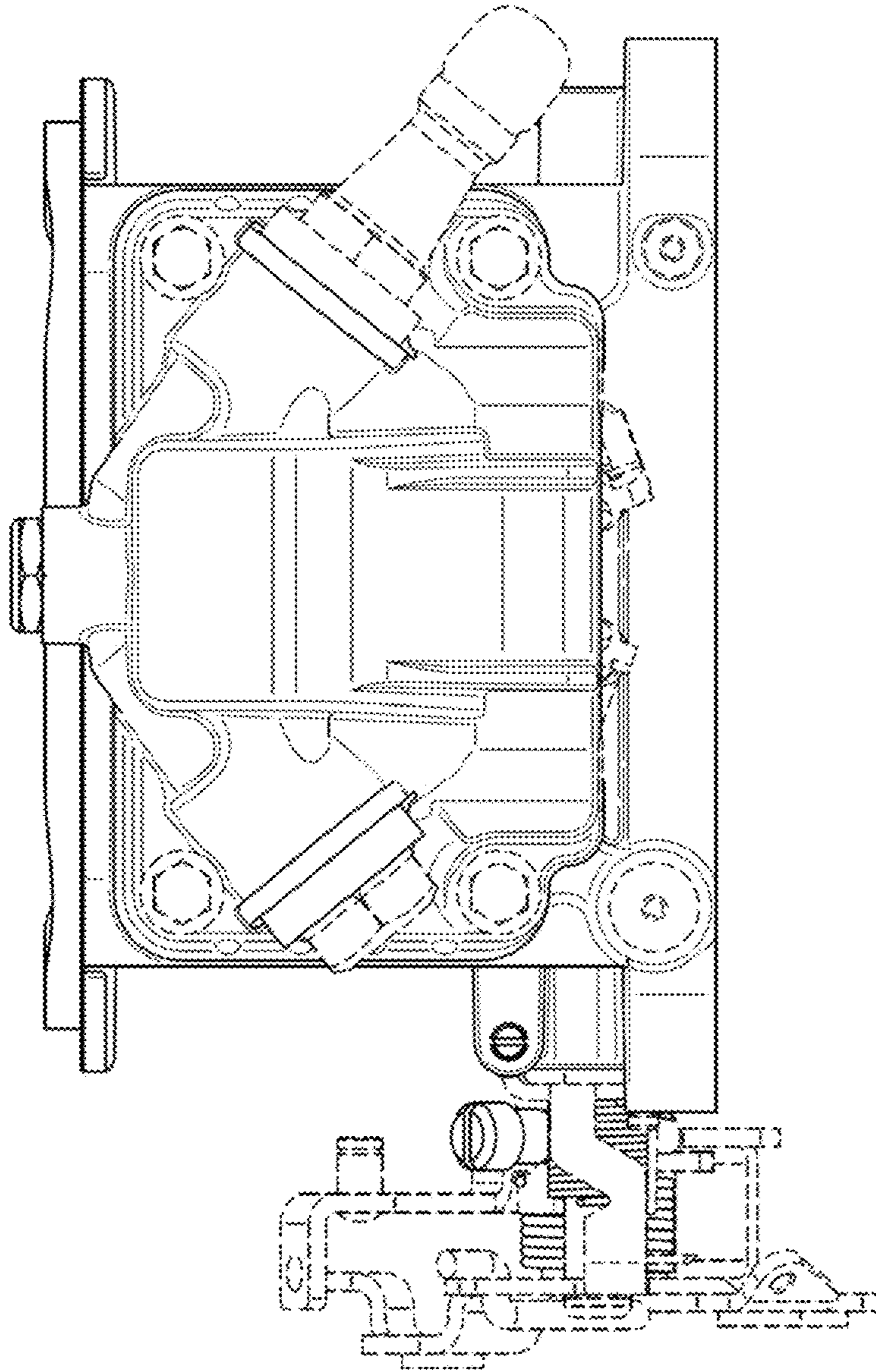


FIG. 4

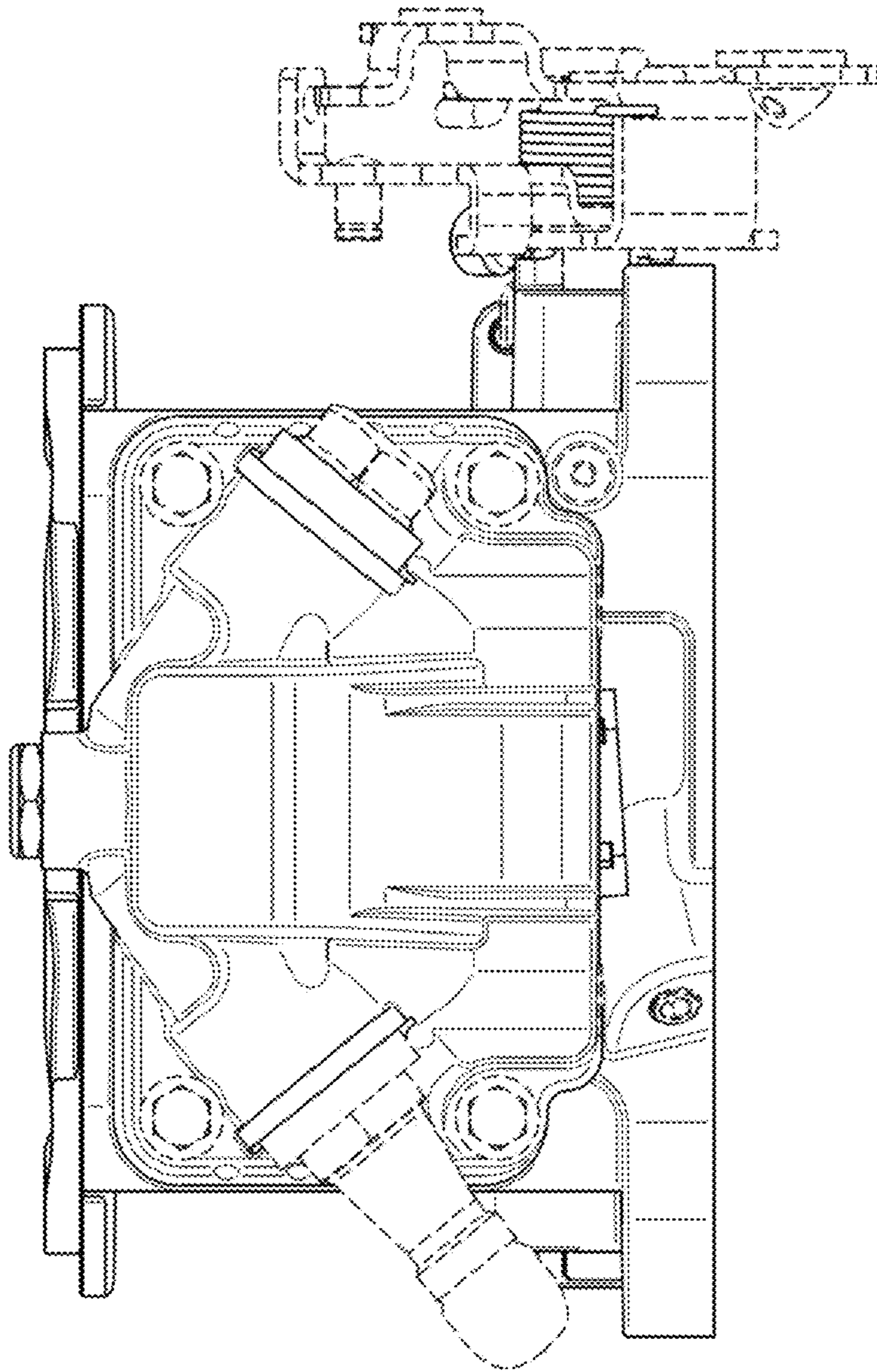


FIG. 5

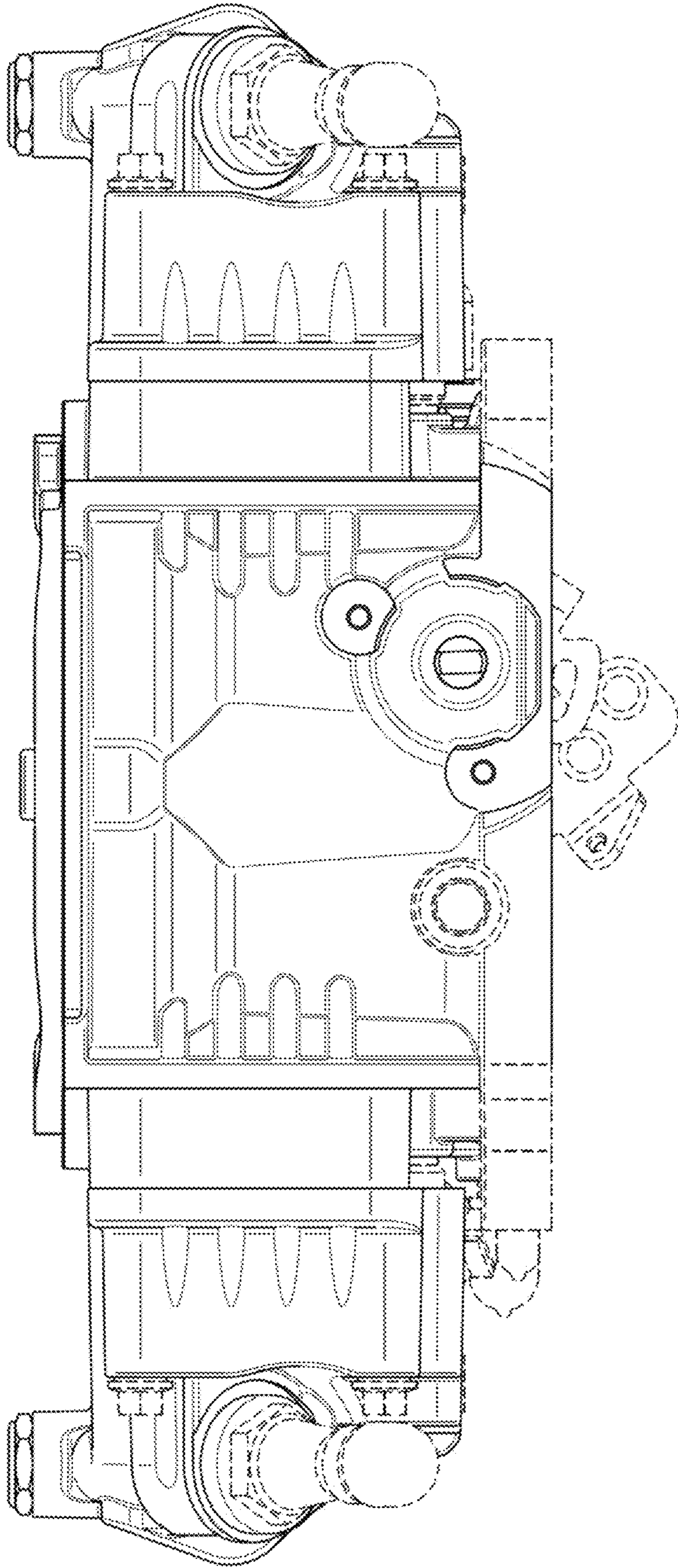


FIG. 6



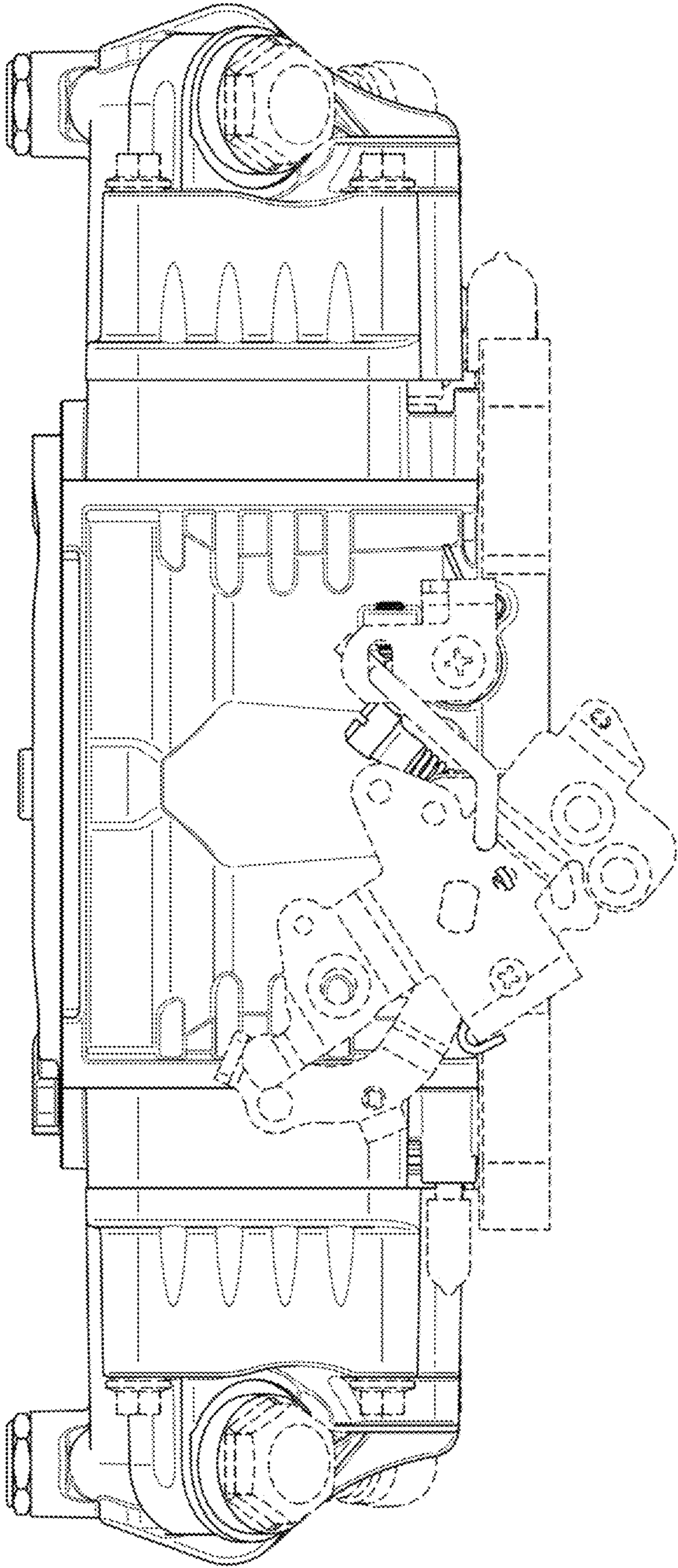


FIG. 7

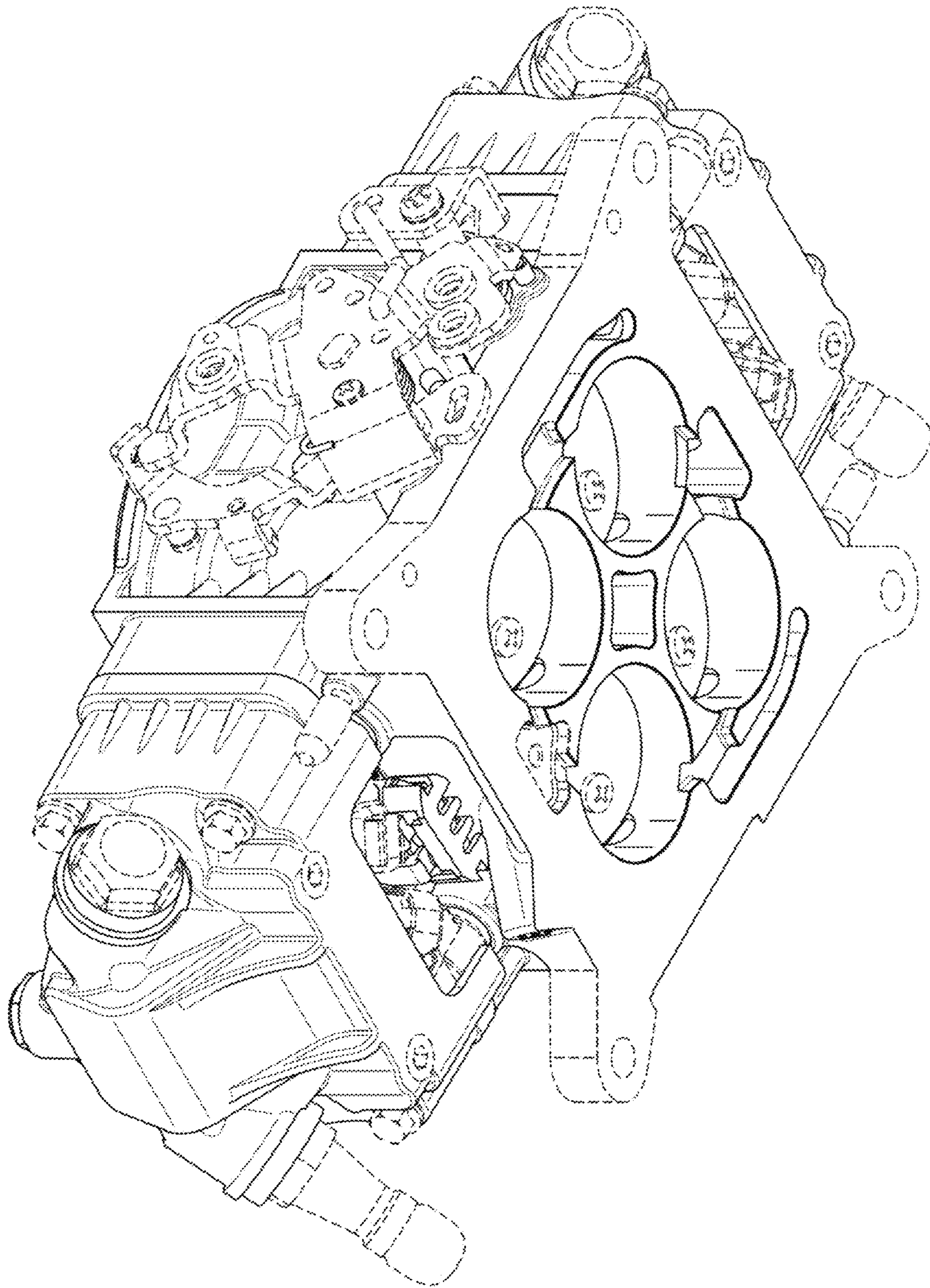


FIG. 8