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

(10) **Patent No.:** **US D924,273 S**
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- (54) **EFI THROTTLE BODY**
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- 4,318,214 A 3/1982 Dodson
- 4,325,339 A 4/1982 Bier et al.
- 4,357,283 A 11/1982 Manning
- 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

(Continued)

FOREIGN PATENT DOCUMENTS

- AU 2001014879 8/2001
- AU 339157 10/2011

(Continued)

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

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

(58) **Field of Classification Search**
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D23/235

CPC F02D 9/105; F02D 9/1035; F02M 51/005;
F02M 63/0056; F02M 63/02; F02M
69/043

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,186,708 A * 2/1980 Bowler F02M 51/061
123/472
- 4,224,908 A 9/1980 Bier et al.
- 4,230,645 A 10/1980 Dodson
- 4,235,375 A * 11/1980 Melotti F02M 51/005
239/125
- 4,246,875 A 1/1981 Bier et al.
- 4,294,282 A 10/1981 McCabe et al.
- 4,306,441 A 12/1981 Dodson

OTHER PUBLICATIONS

International Search Report and Written Opinion for PCT/US2019/
030909 dated Aug. 20, 2019.

(Continued)

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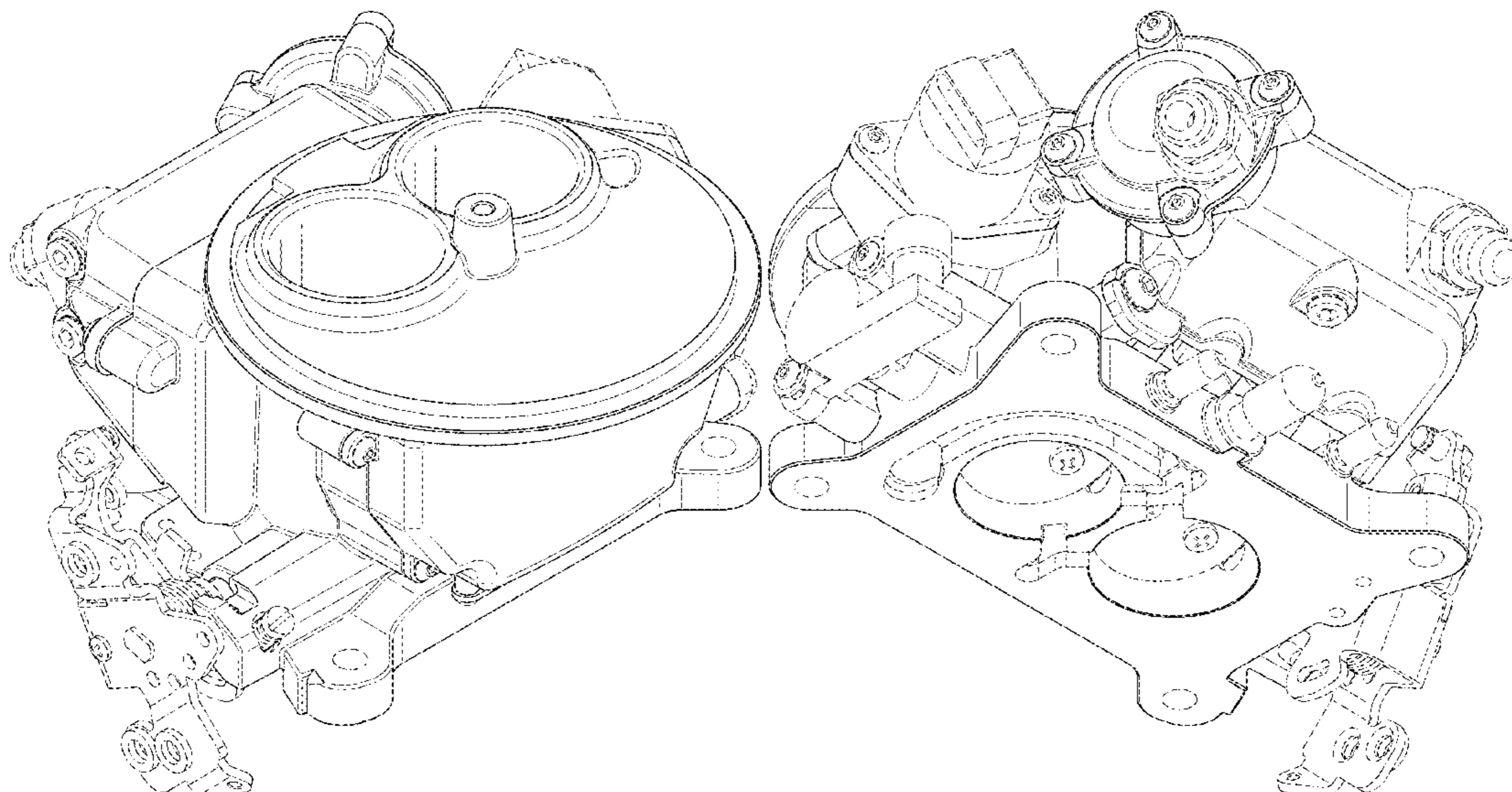
(57) **CLAIM**

The ornamental design for a EFI throttle body, as shown and
described.

DESCRIPTION

FIG. 1 is an upper perspective view of an EFI throttle body;
FIG. 2 is a top view thereof;
FIG. 3 is a bottom view thereof;
FIG. 4 is a first side view thereof;
FIG. 5 is a second side view thereof;
FIG. 6 is a rear view thereof;
FIG. 7 is a front view thereof; and,
FIG. 8 is a lower perspective view thereof.
The broken lines show portions of the EFI throttle body
which form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | |
|--------------|------|---------|-----------------|-------------|
| 5,261,382 | A | 11/1993 | Nikolai | |
| D447,147 | S | 8/2001 | Grant | |
| D456,421 | S | 4/2002 | Braswell | |
| D456,818 | S | 5/2002 | Braswell | |
| D457,168 | S | 5/2002 | Braswell | |
| 6,481,698 | B1 | 11/2002 | Calvin et al. | |
| 6,874,768 | B2 | 4/2005 | Grant | |
| D508,496 | S * | 8/2005 | Grant | D15/6 |
| D517,423 | S | 3/2006 | Jeschke | |
| 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. | |
| 7,658,177 | B2 | 2/2010 | Baasch et al. | |
| D645,058 | S | 9/2011 | Benoit | |
| D648,746 | S | 11/2011 | Tipton et al. | |
| D649,979 | S | 12/2011 | Gieske | |
| D655,311 | S | 3/2012 | Gieske et al. | |
| D659,714 | S | 5/2012 | Gieske et al. | |
| D721,389 | S * | 1/2015 | Gieske | D15/6 |
| 9,115,671 | B2 | 8/2015 | Benoit | |
| D748,149 | S | 1/2016 | Laws | |
| 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. | |
| D877,201 | S * | 3/2020 | Shehan | D15/5 |
| 2008/0230034 | A1 | 9/2008 | Dunn | |
| 2009/0013955 | A1 | 1/2009 | Sheridan et al. | |
| 2013/0054121 | A1 | 2/2013 | Casoni et al. | |
| 2013/0298871 | A1 | 11/2013 | Bennett 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 | F02M 69/043 |

FOREIGN PATENT DOCUMENTS

| | | |
|----|------------|---------|
| AU | 341133 | 2/2012 |
| 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 | 201816623 | 12/2018 |
| AU | 201816624 | 12/2018 |
| CA | 2391589 | 5/2001 |
| CN | 101568711 | 4/2013 |
| EM | 003729599 | 1/2017 |

OTHER PUBLICATIONS

International Search Report and Written Opinion for PCT/US2019/031138 dated Aug. 27, 2019.

Youtube video, “Holley Terminator EFI Kit Electronic Fuel Injection”, May 6, 2015. Retrieved from <https://www.youtube.com/watch?v=hrTppUkNAn0>; retrieved on Jul. 1, 2019.

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.

U.S. Appl. No. 29/696,092 entitled “Electronic Fuel Injection Throttle Body” filed Jun. 25, 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.

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.

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. 16/404,308 entitled “Electronic Fuel Injection Throttle Body Assembly” filed May 6, 2019.

U.S. Appl. No. 16/405,519 entitled “Electronic Fuel Injection Throttle Body Assembly” filed May 7, 2019.

Transmittal Letter of Related Cases dated Mar. 6, 2019.

U.S. Appl. No. 16/208,231 entitled “Electronic Fuel Injection Throttle Body Assembly” filed Dec. 3, 2018.

Australian Divisional Design Patent Application No. 201815034 entitled “EFI Throttle Body” filed Aug. 23, 2018.

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. 29/628,394 entitled “EFI Throttle Body” filed Dec. 4, 2017.

U.S. Appl. No. 62/669,052 entitled “Electronic Fuel Injection Throttle Body Assembly” filed May 9, 2018.

U.S. Appl. No. 15/986,571 entitled “Fuel Injection Throttle Body” filed May 22, 2018.

U.S. Appl. No. 29/647,060 entitled “Electronic Fuel Injection Throttle Body” filed May 9, 2018.

U.S. Appl. No. 29/647,068 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.

Australian Patent Application No. 201815036 entitled “EFI Throttle Body” filed Aug. 23, 2018.

Two-Barrel Fuel Injection Systems, posted on summitracing.com, Earliest reviewed on Mar. 5, 2018, no production date given [online], [site visited Mar. 1, 2020], Available from Internet, URL: <https://www.summitracing.com/parts/sne-550-849k?seid=srese1&gclid=CjwKCAiA-vLyBRBWEiwAzOkGVMWU7u1iKHcPBsiPrRn> (Year: 2018).

* cited by examiner

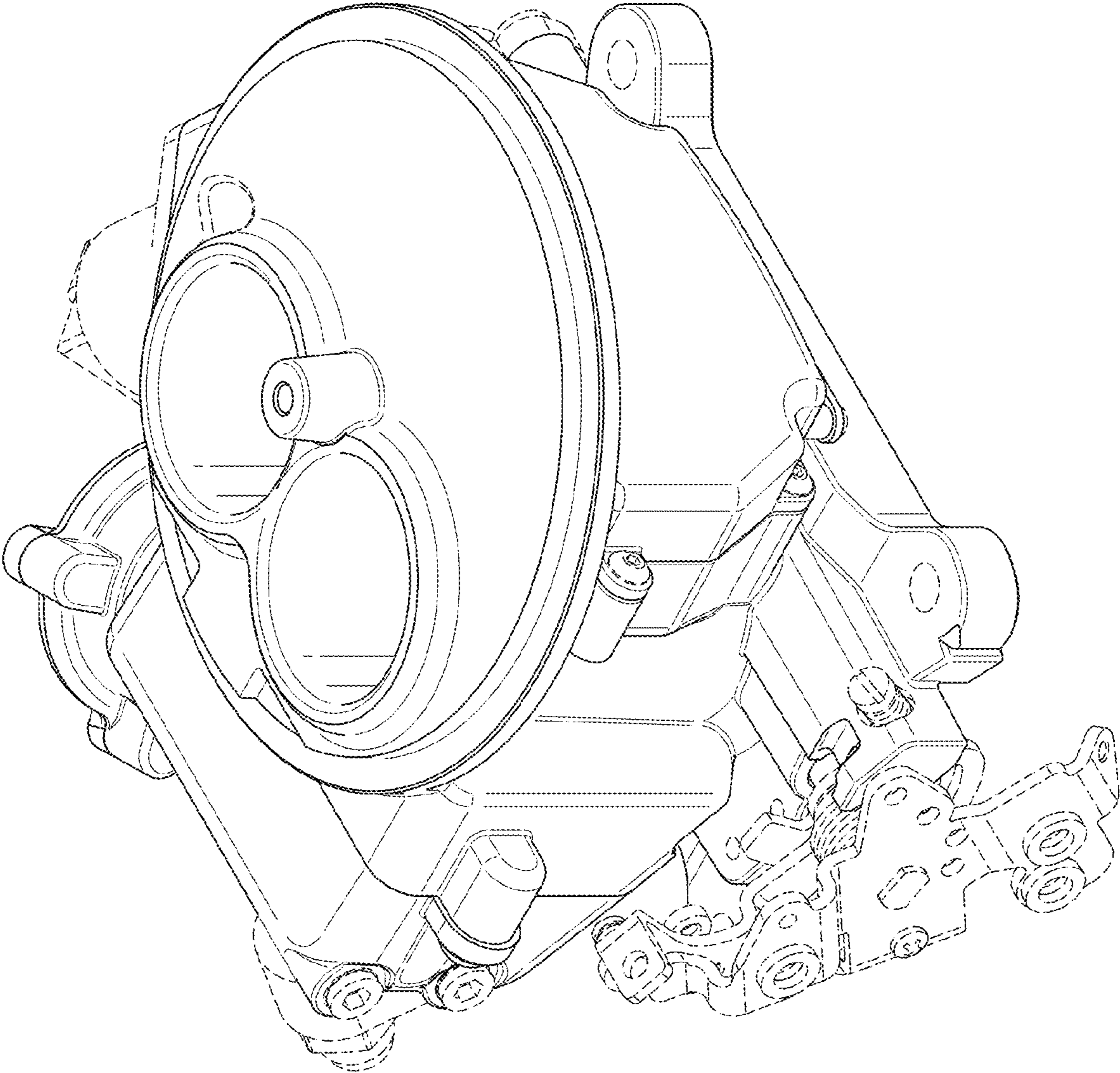


FIG. 1

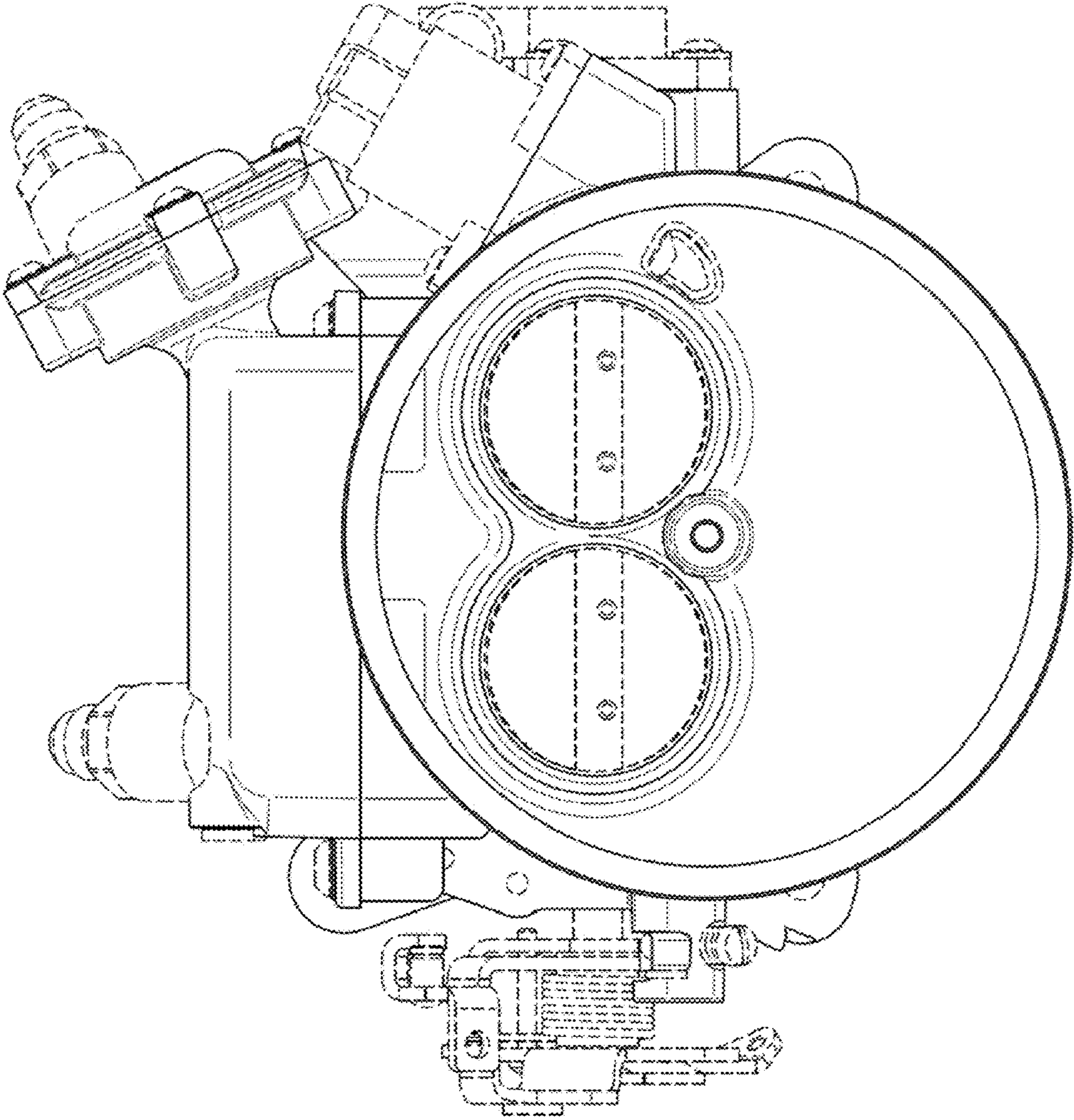


FIG. 2

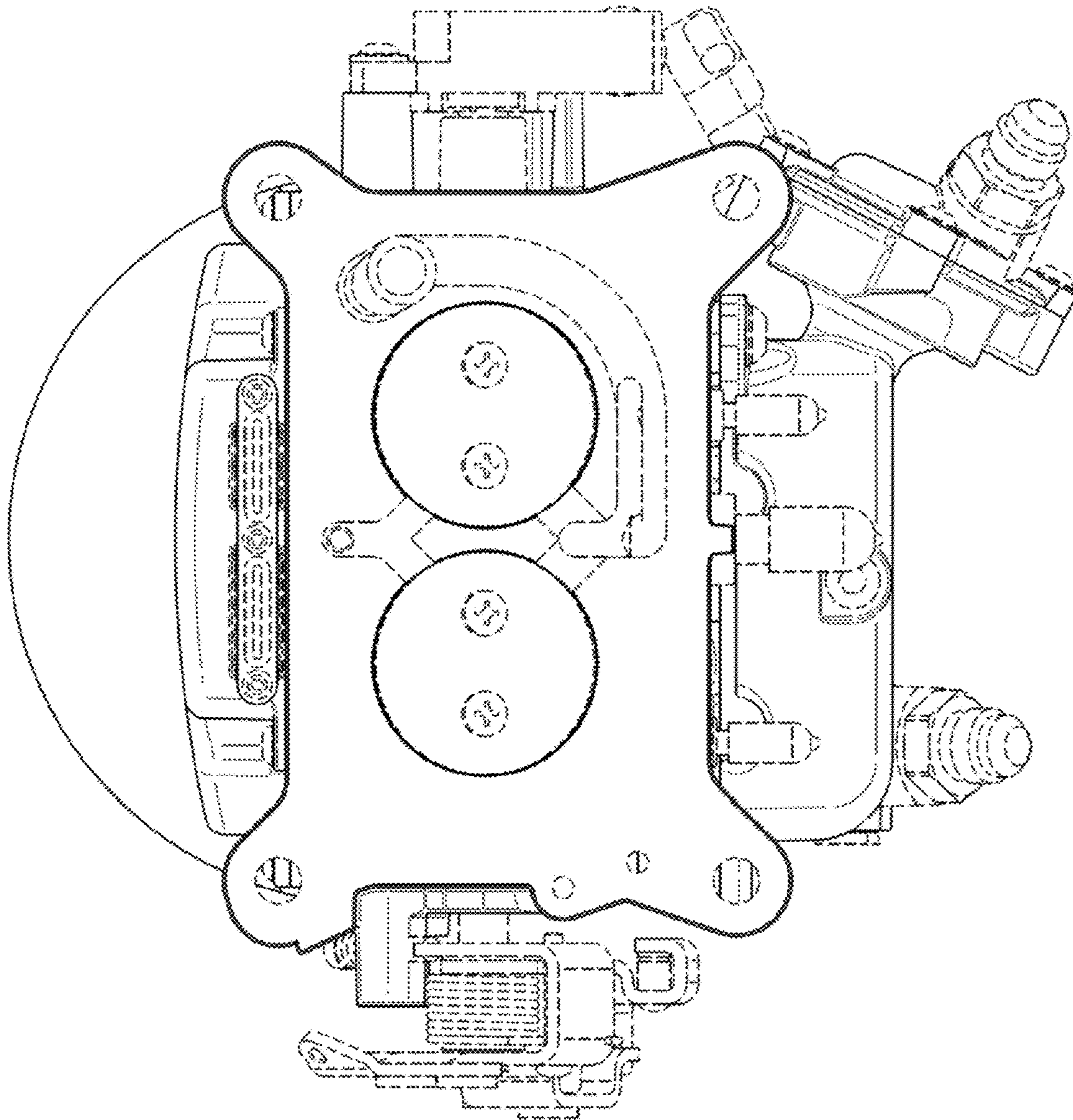


FIG. 3

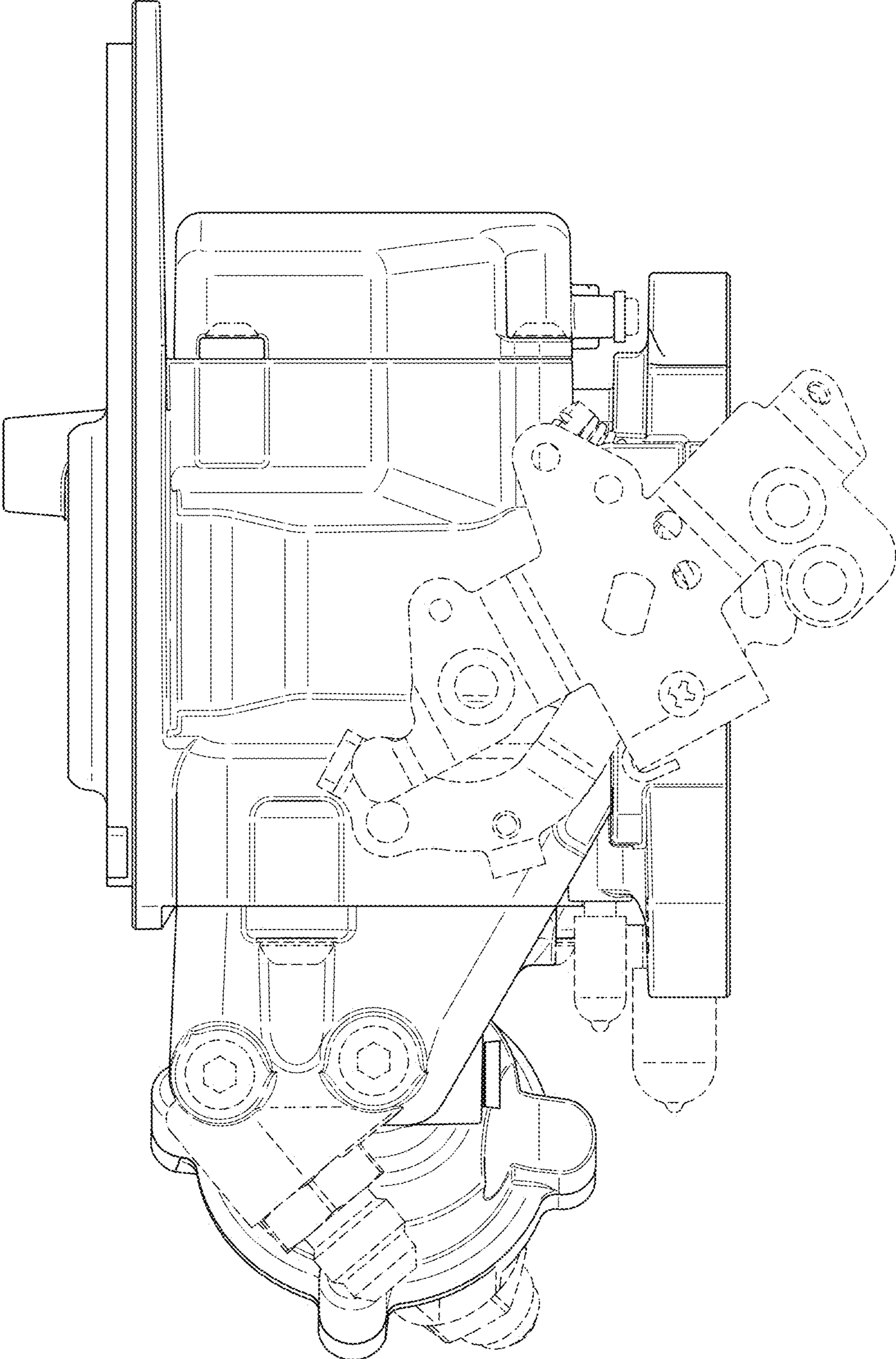


FIG. 4

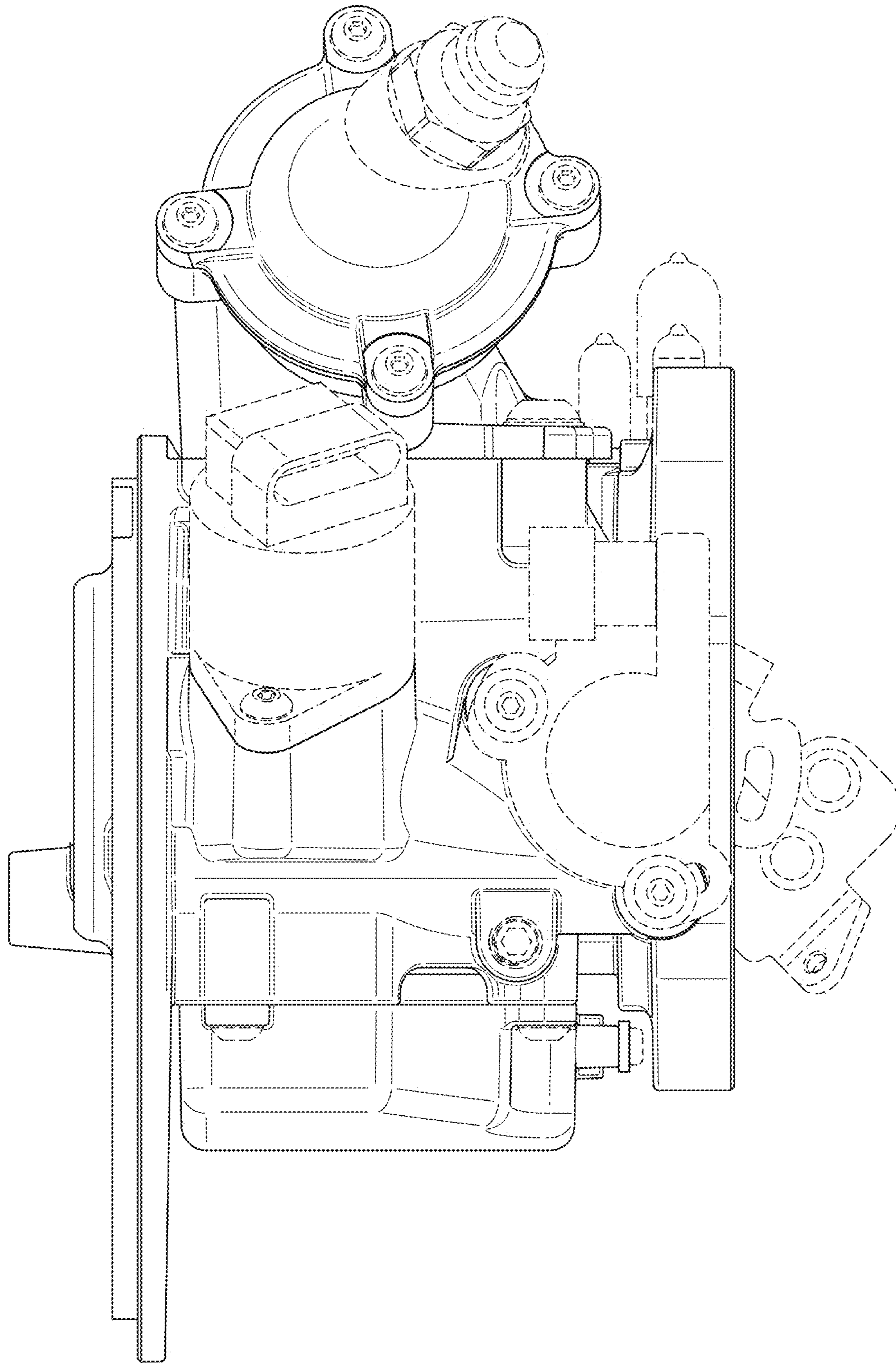


FIG. 5

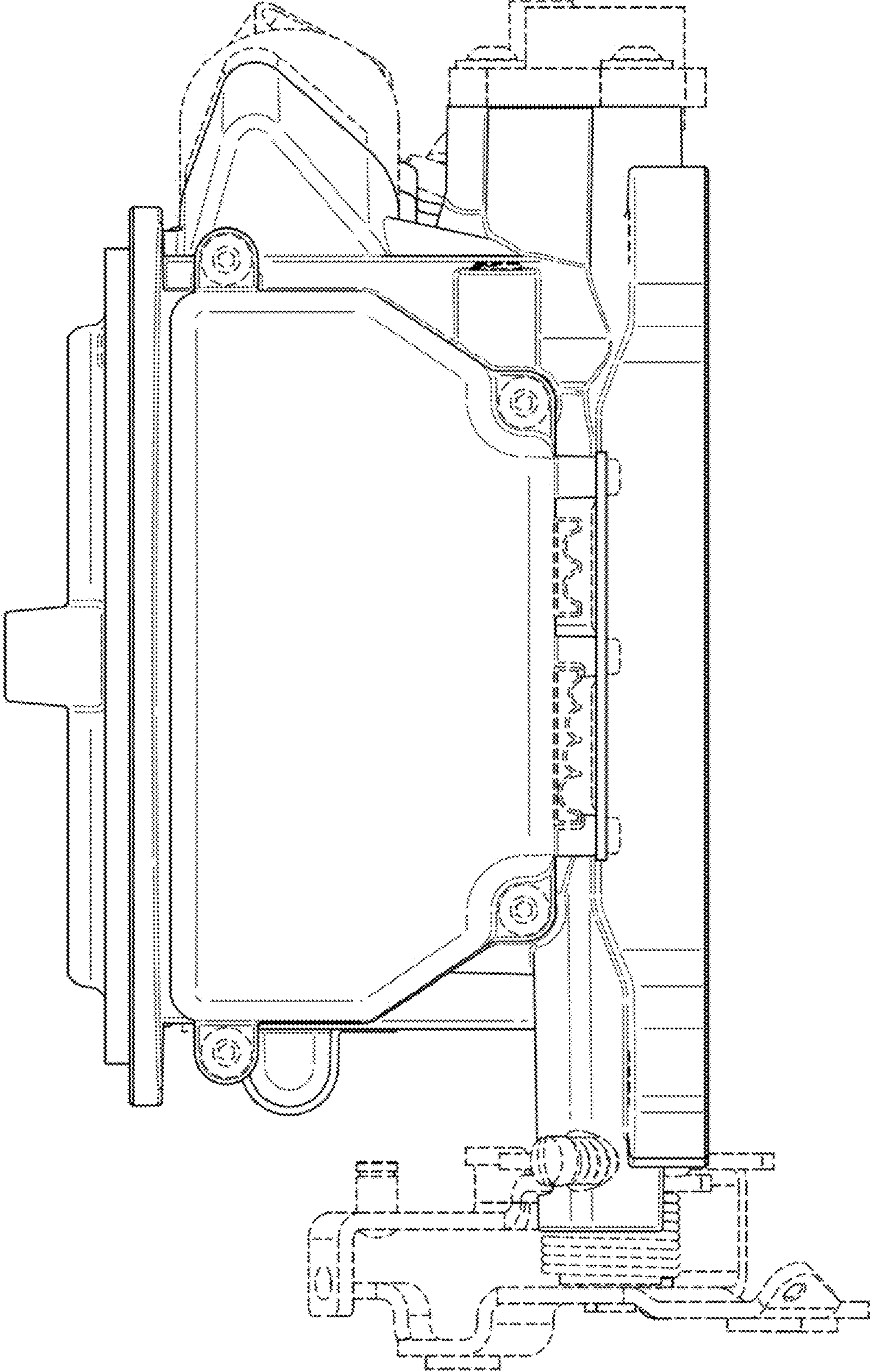


FIG. 6

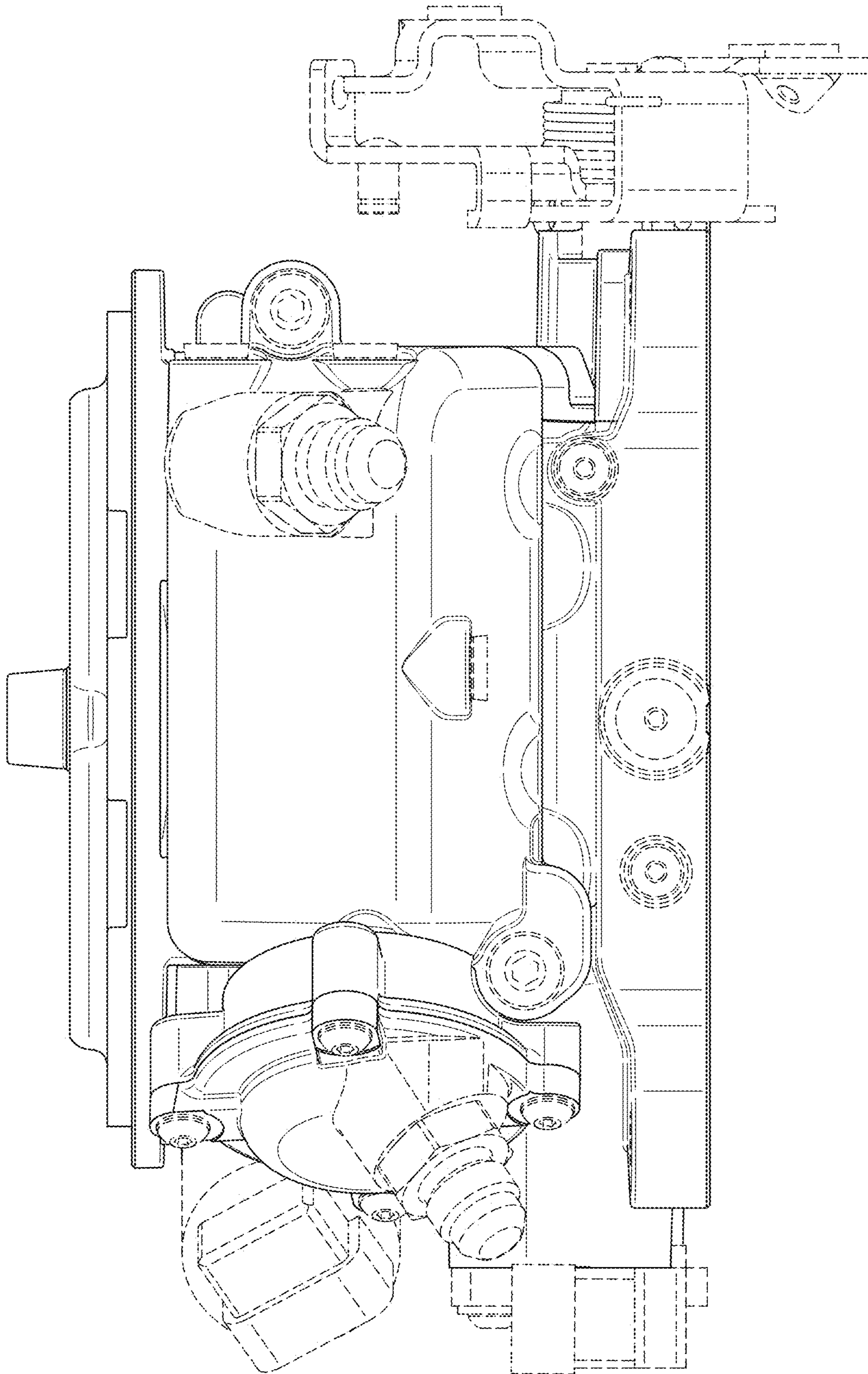


FIG. 7

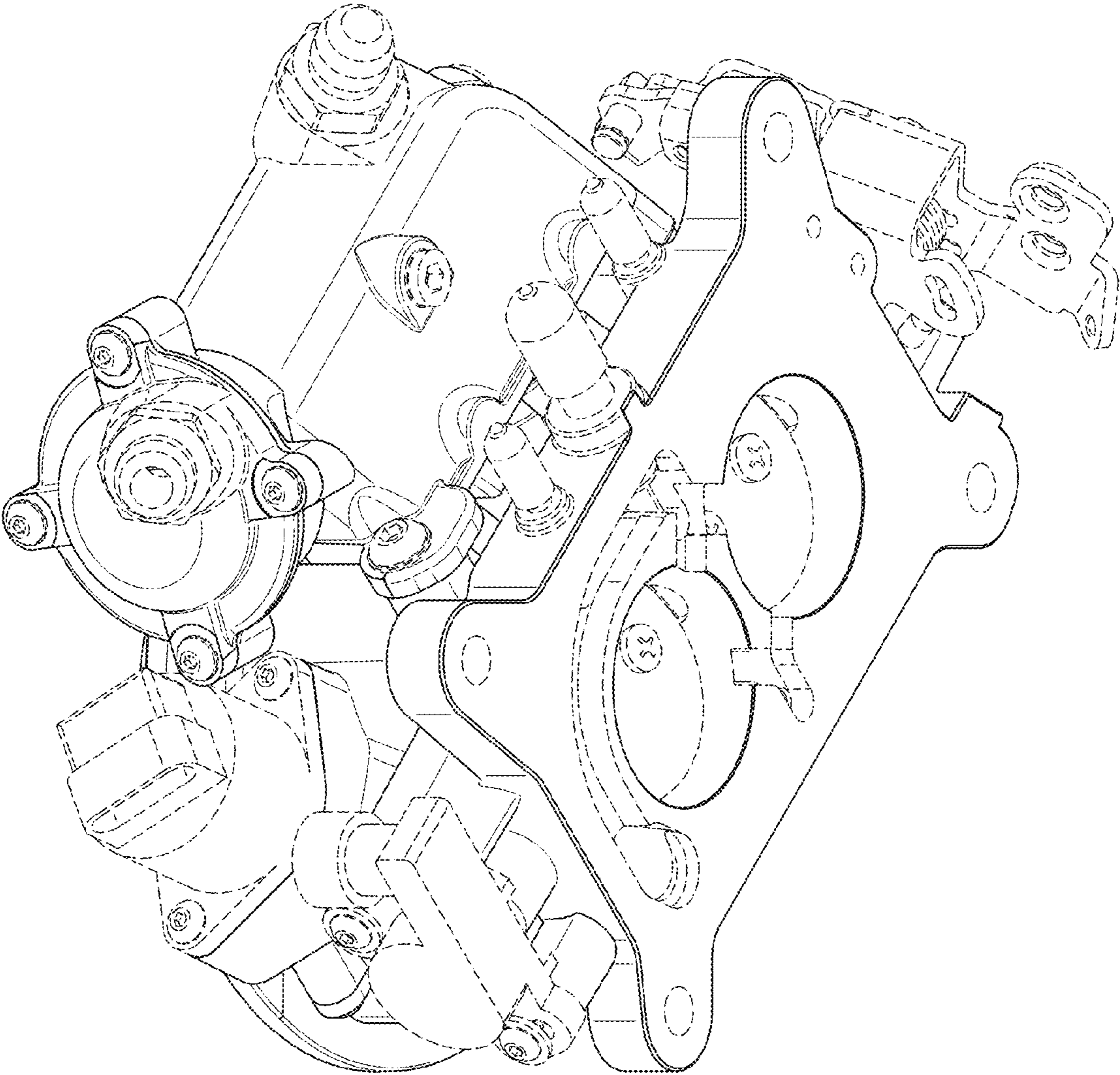


FIG. 8