



US00D591311S

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

(10) **Patent No.:** **US D591,311 S**
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(54) **RECIPROCATING PUMP**

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

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(22) Filed: **Aug. 21, 2008**

(30) **Foreign Application Priority Data**

May 20, 2008 (JP) 2008-012549

(51) **LOC (9) Cl.** **15-02**

(52) **U.S. Cl.** **D15/7**

(58) **Field of Classification Search** D15/7-9;
D23/231, 232, 225; 417/410.1, 359, 415-416,
417/234, 321, 265, 405

See application file for complete search history.

(56) **References Cited**

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(57) **CLAIM**

The ornamental design for a reciprocation pump as shown and described.

DESCRIPTION

FIG. 1 is a front view of a reciprocating pump of the present invention, comprising a manifold, an inlet feed valve, and a crankcase.

FIG. 2 is a rear view of the reciprocating pump of FIG. 1.

FIG. 3 is a top plan view of the reciprocating pump of FIG. 1.

FIG. 4 is a bottom view of the reciprocating pump of FIG. 1.

FIG. 5 is a right side view of the reciprocating pump of FIG. 1.

FIG. 6 is a left side view of the reciprocating pump of FIG. 1.

FIG. 7 is a front perspective view of the reciprocating pump of FIG. 1.

FIG. 8 is a rear perspective view of the reciprocating pump of FIG. 1.

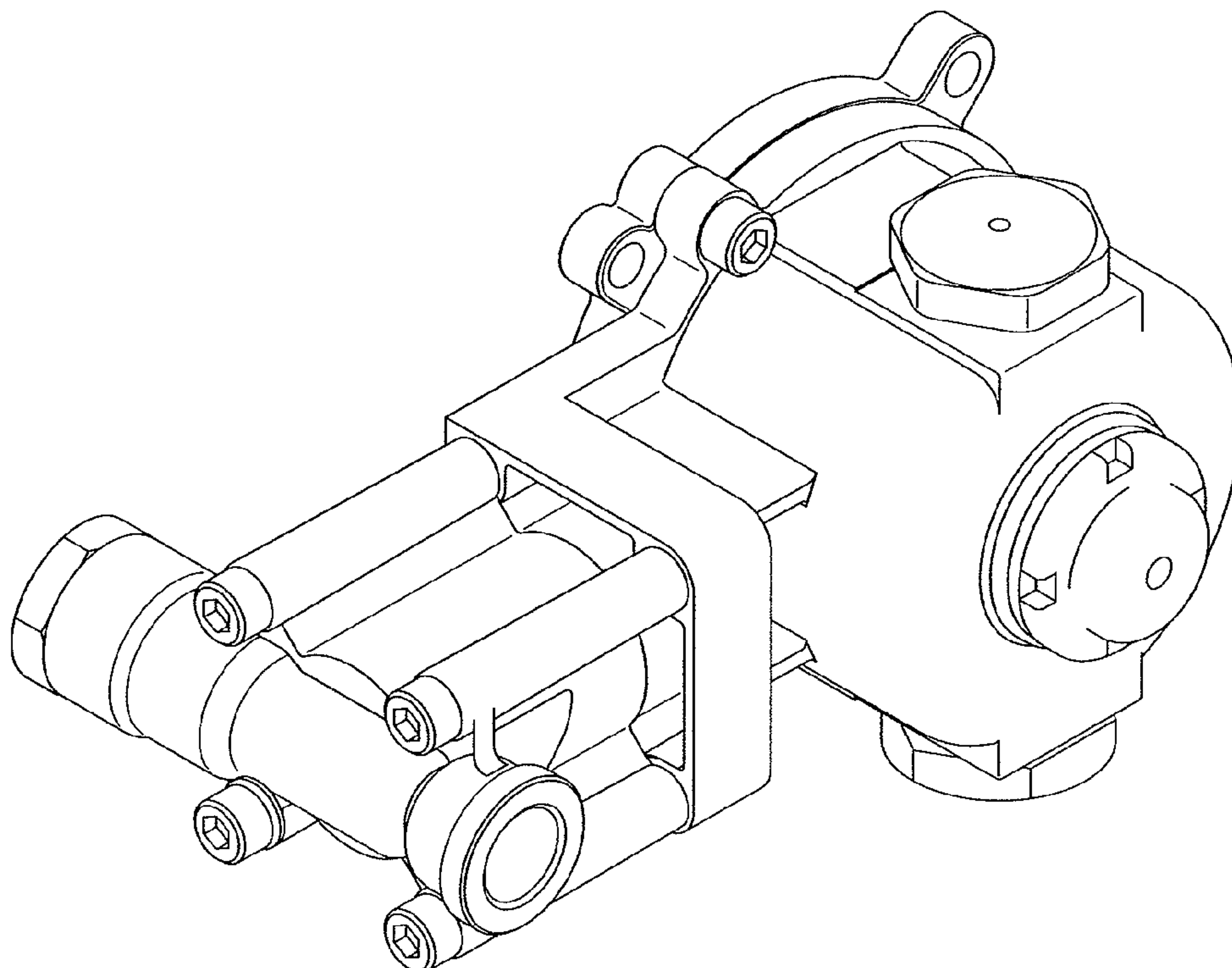
FIG. 9 is an A—A cross—sectional view of the reciprocating pump of FIG. 1 with the inner mechanism omitted.

FIG. 10 is a left side view of the reciprocating pump of FIG. 1 showing the manifold rotated 90 degrees.

FIG. 11 is a left side view of the reciprocating pump of FIG. 1 showing the manifold rotated 180 degrees; and,

FIG. 12 is a left side view of the reciprocating pump of FIG. 1 showing the manifold rotated 270 degrees.

1 Claim, 12 Drawing Sheets



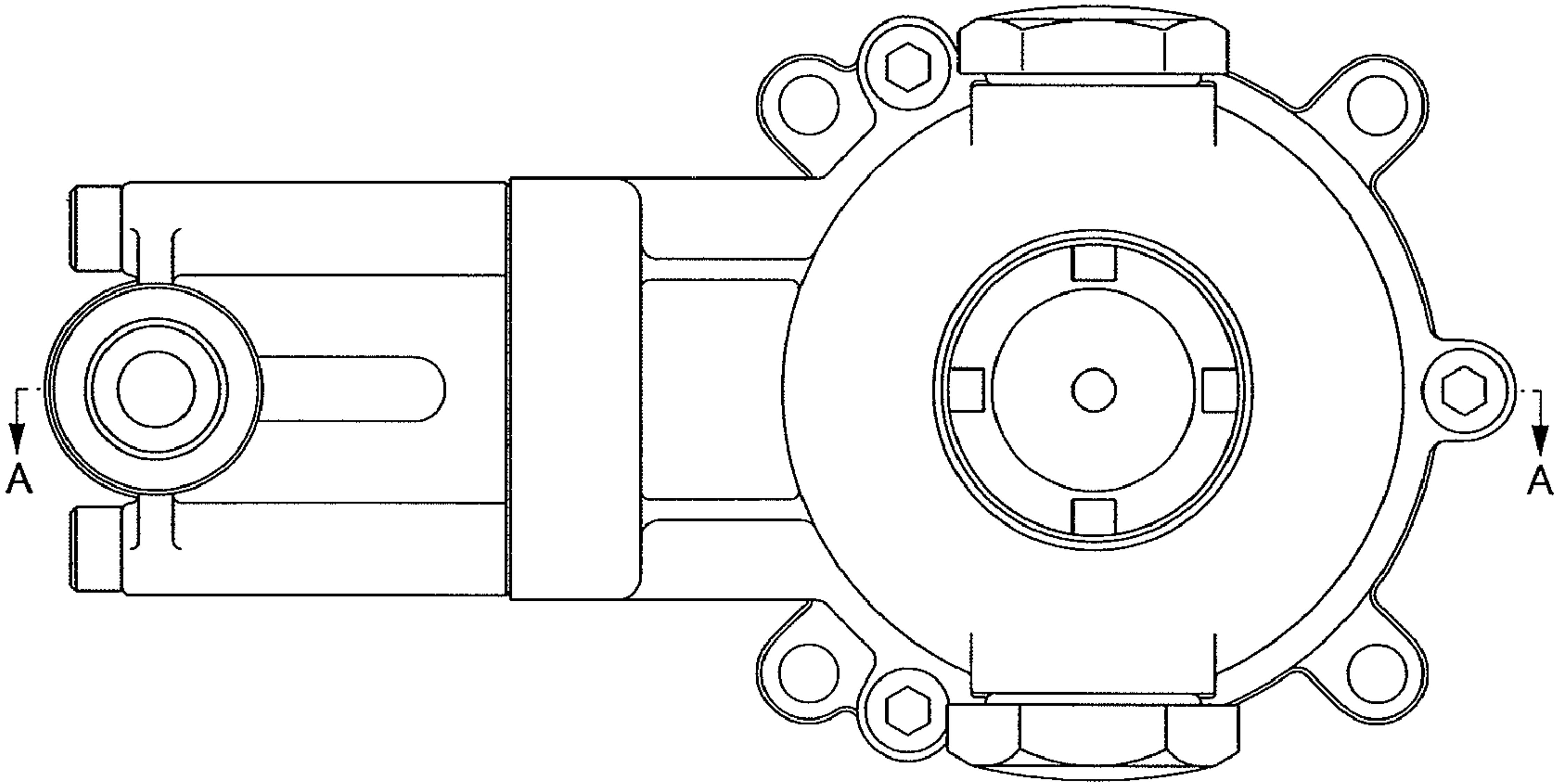


FIG. 1

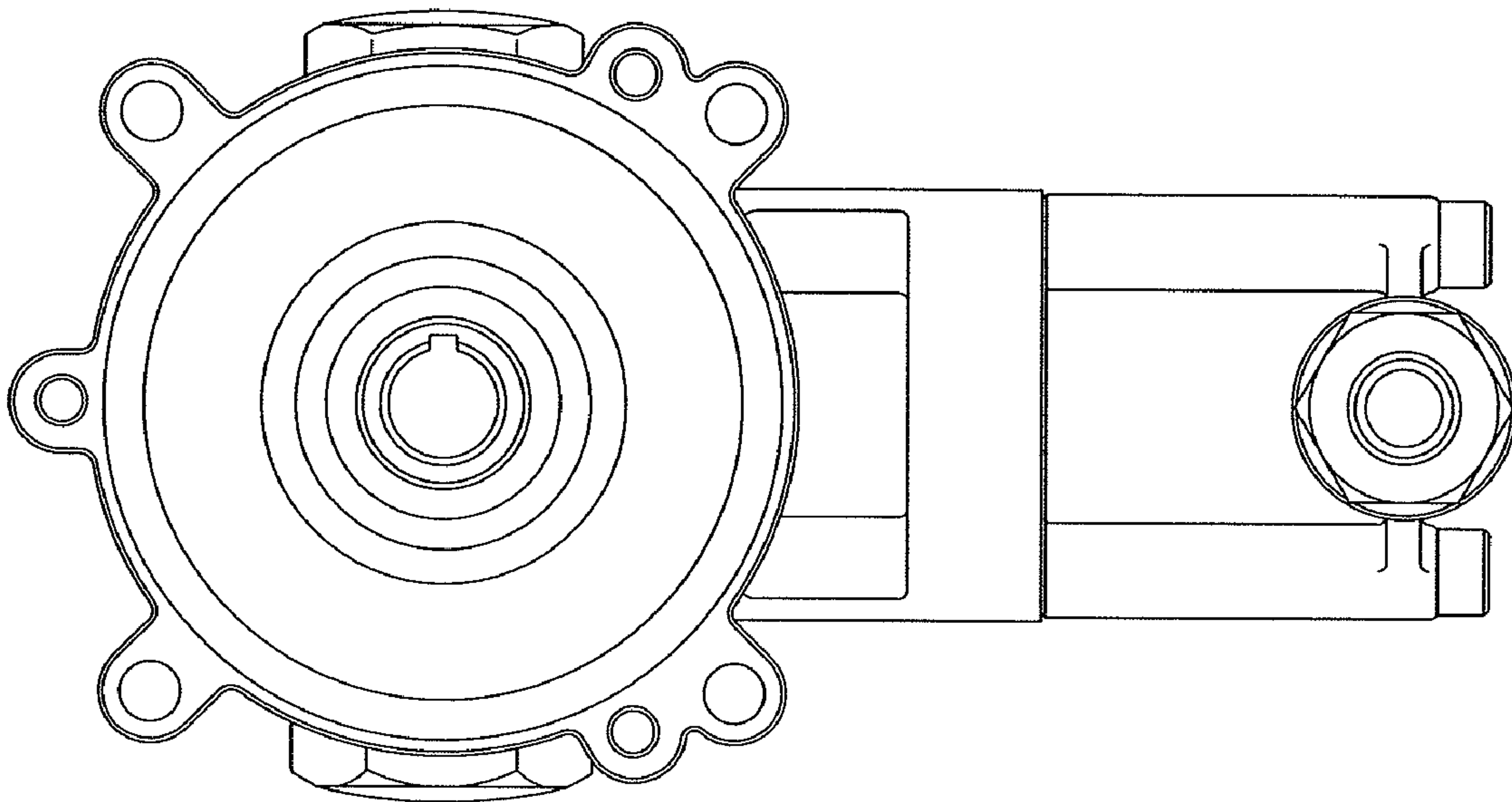


FIG. 2

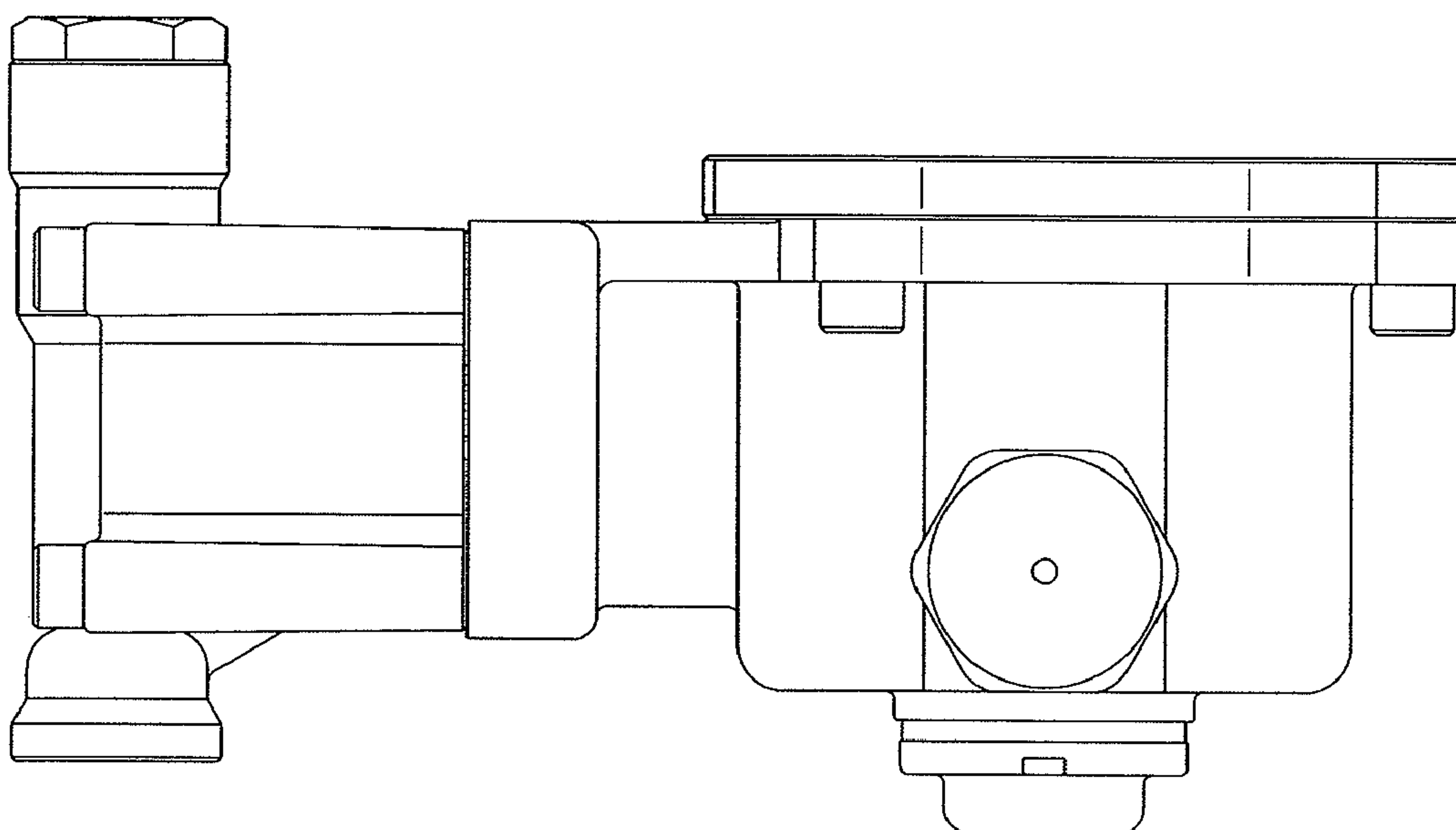


FIG. 3

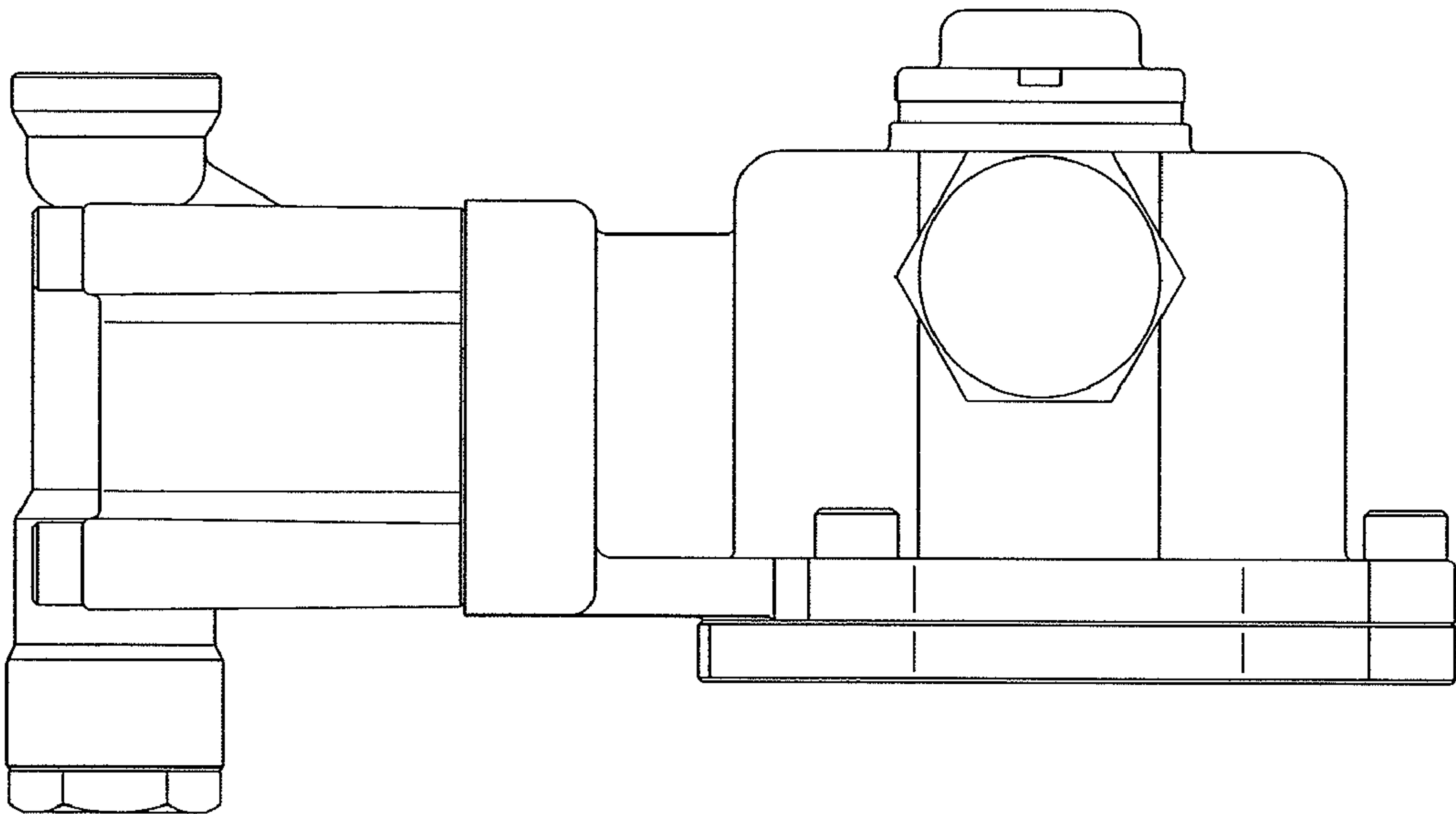


FIG. 4

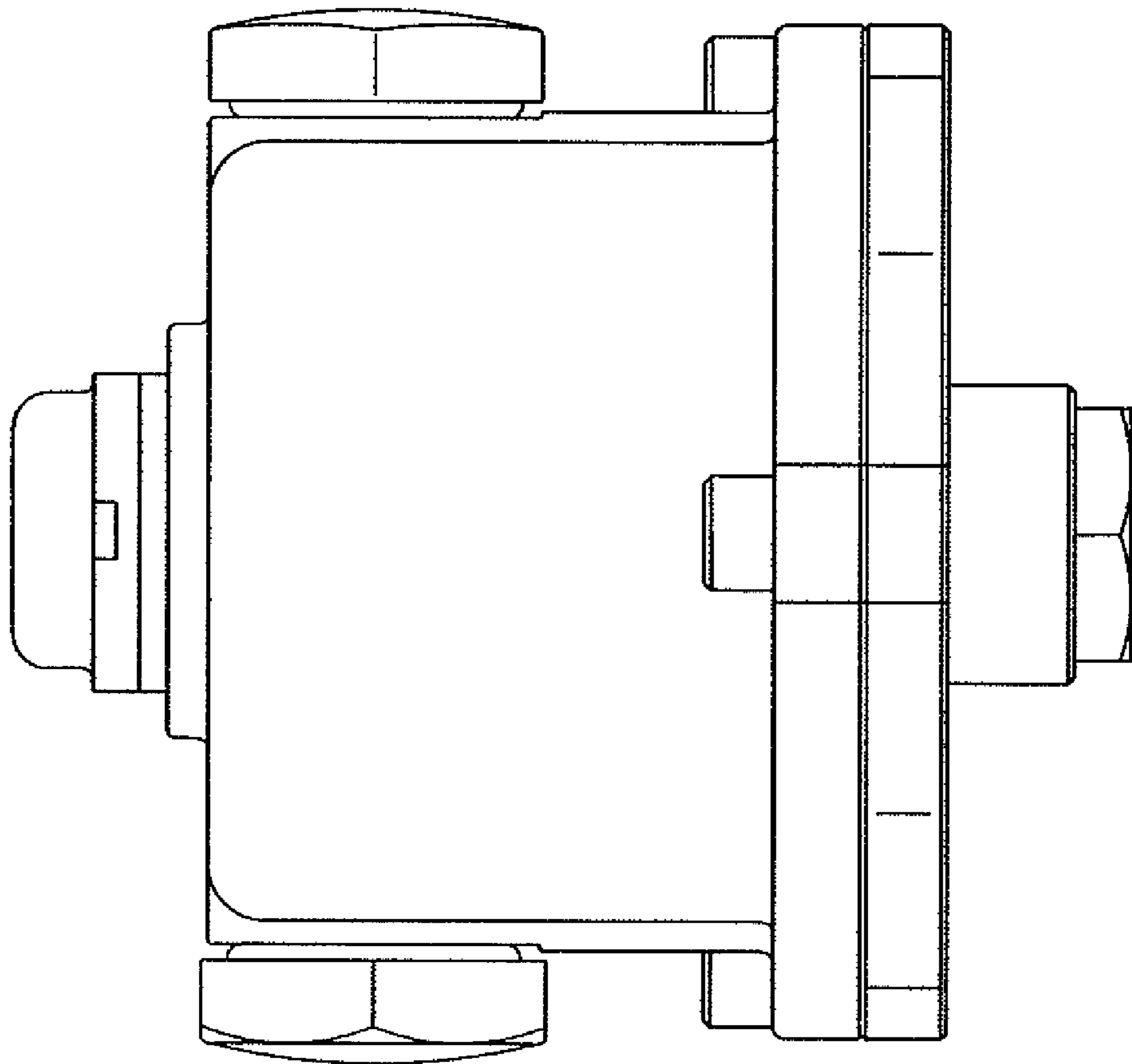


FIG. 5

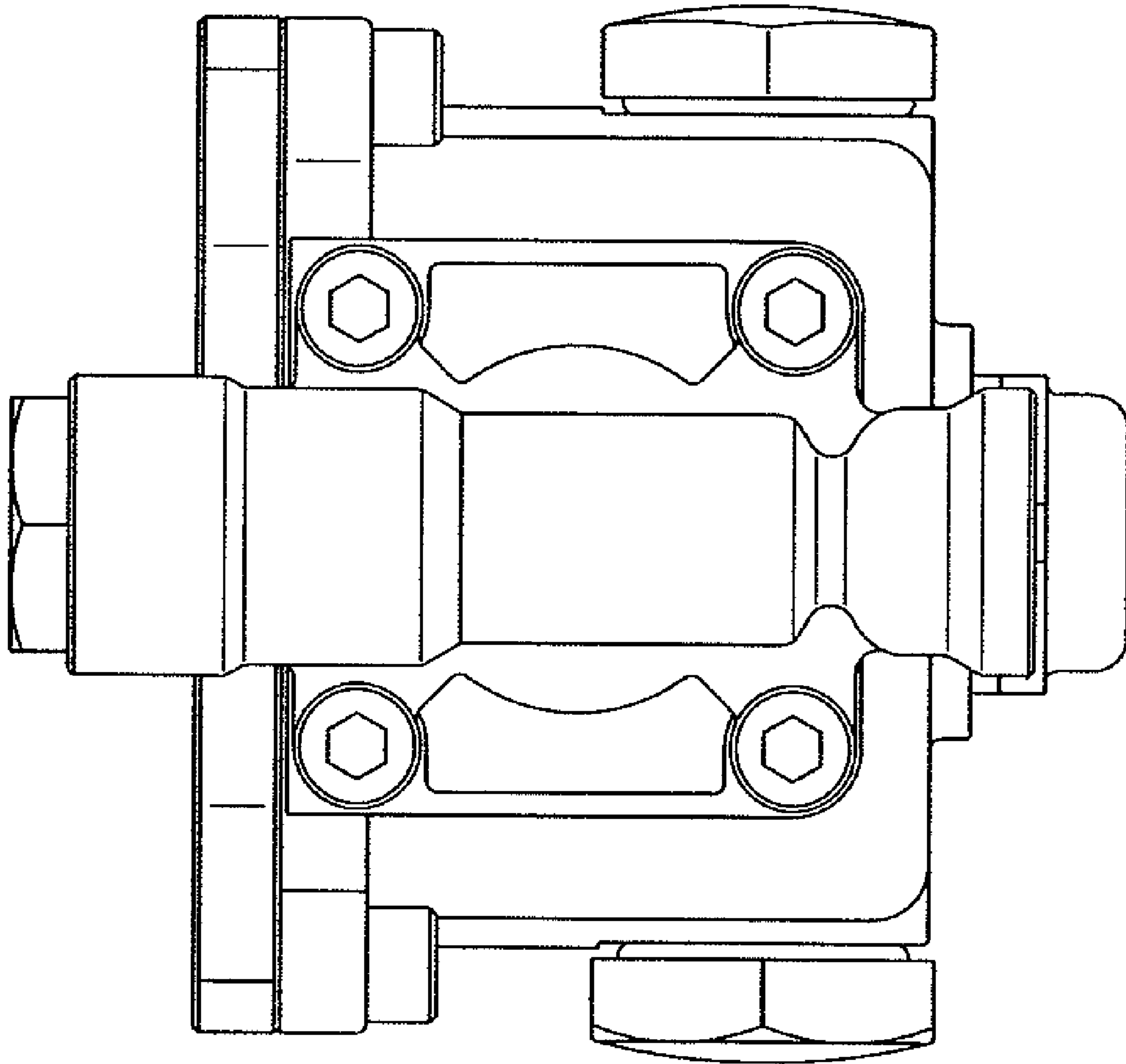


FIG. 6

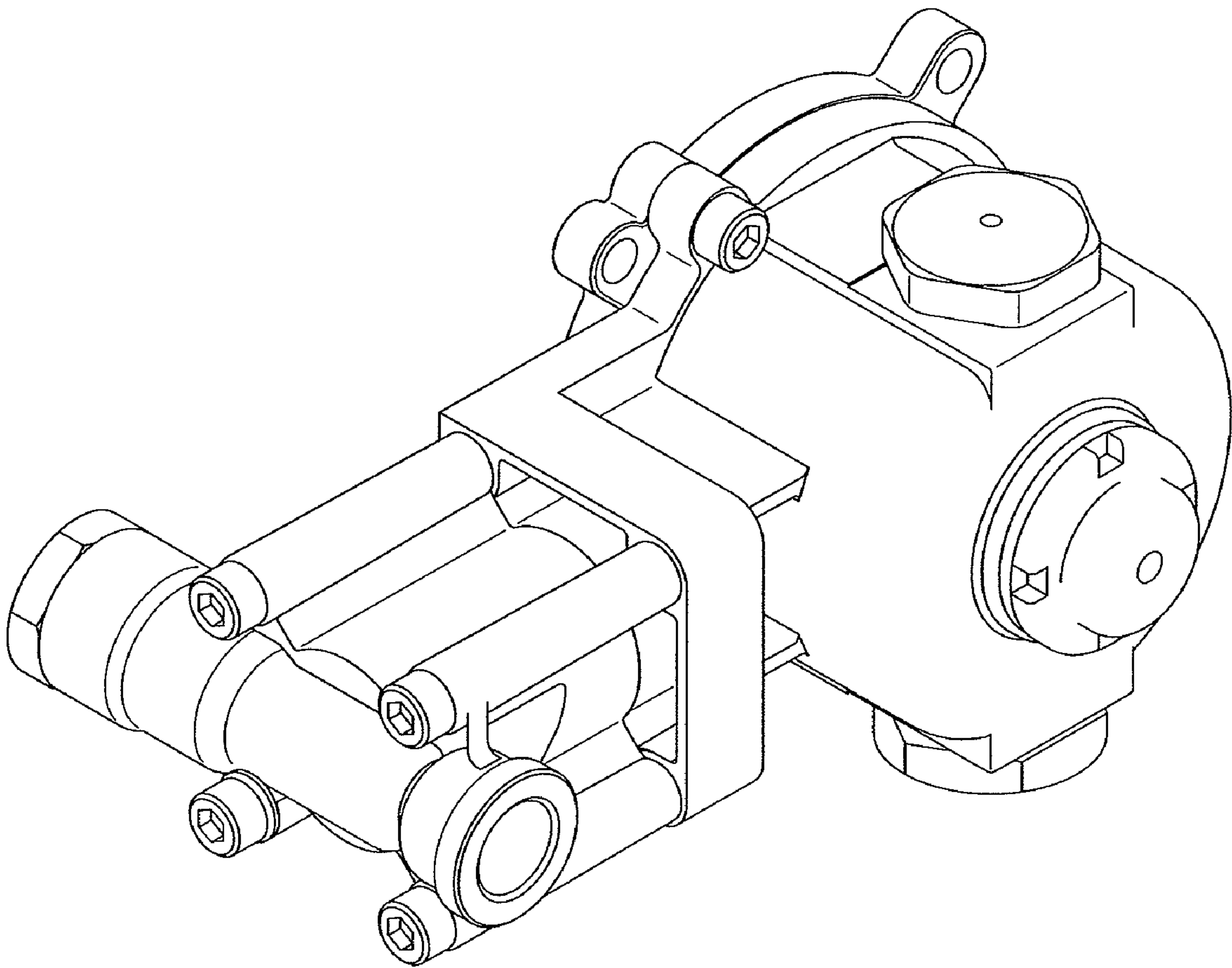


FIG. 7

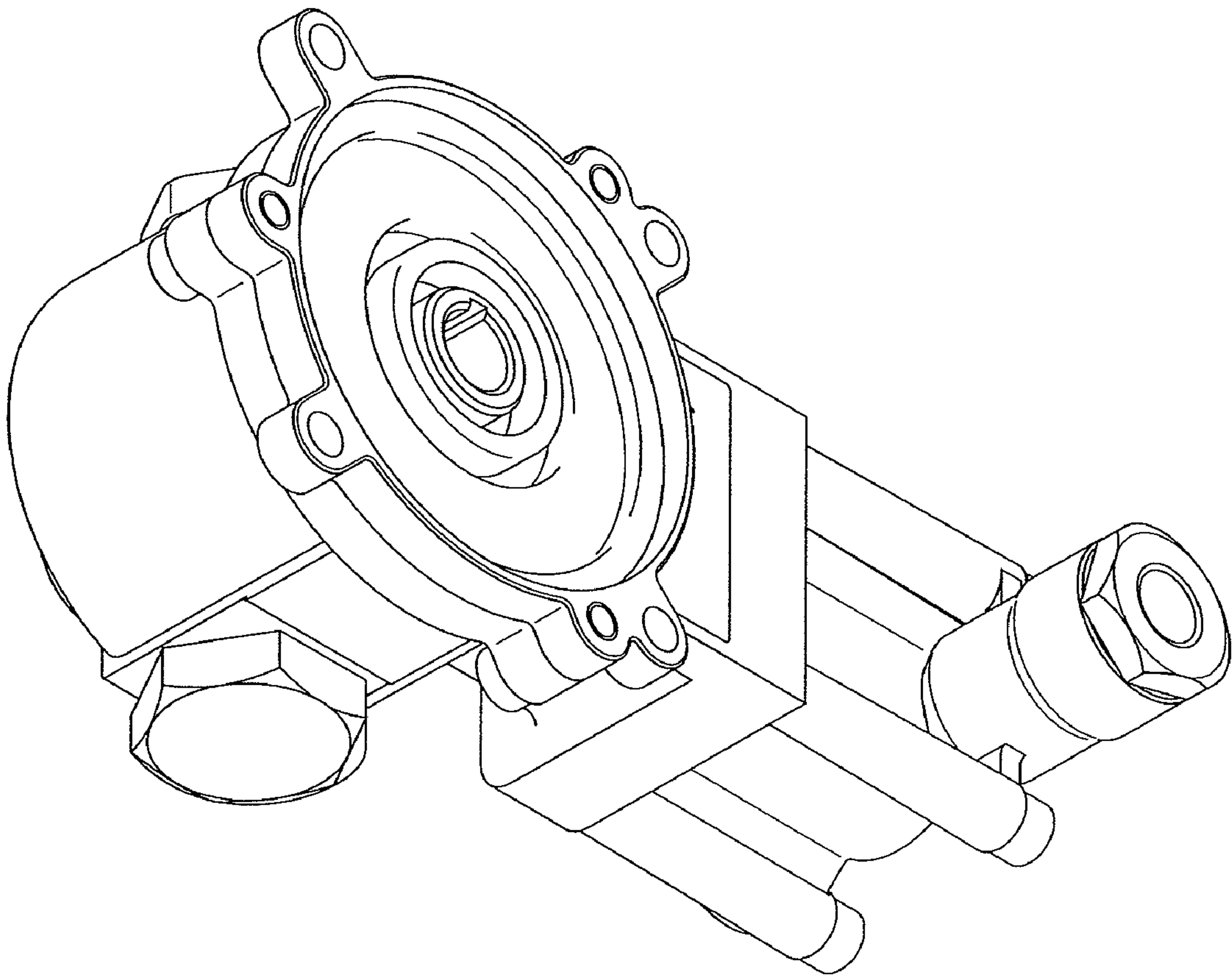


FIG. 8

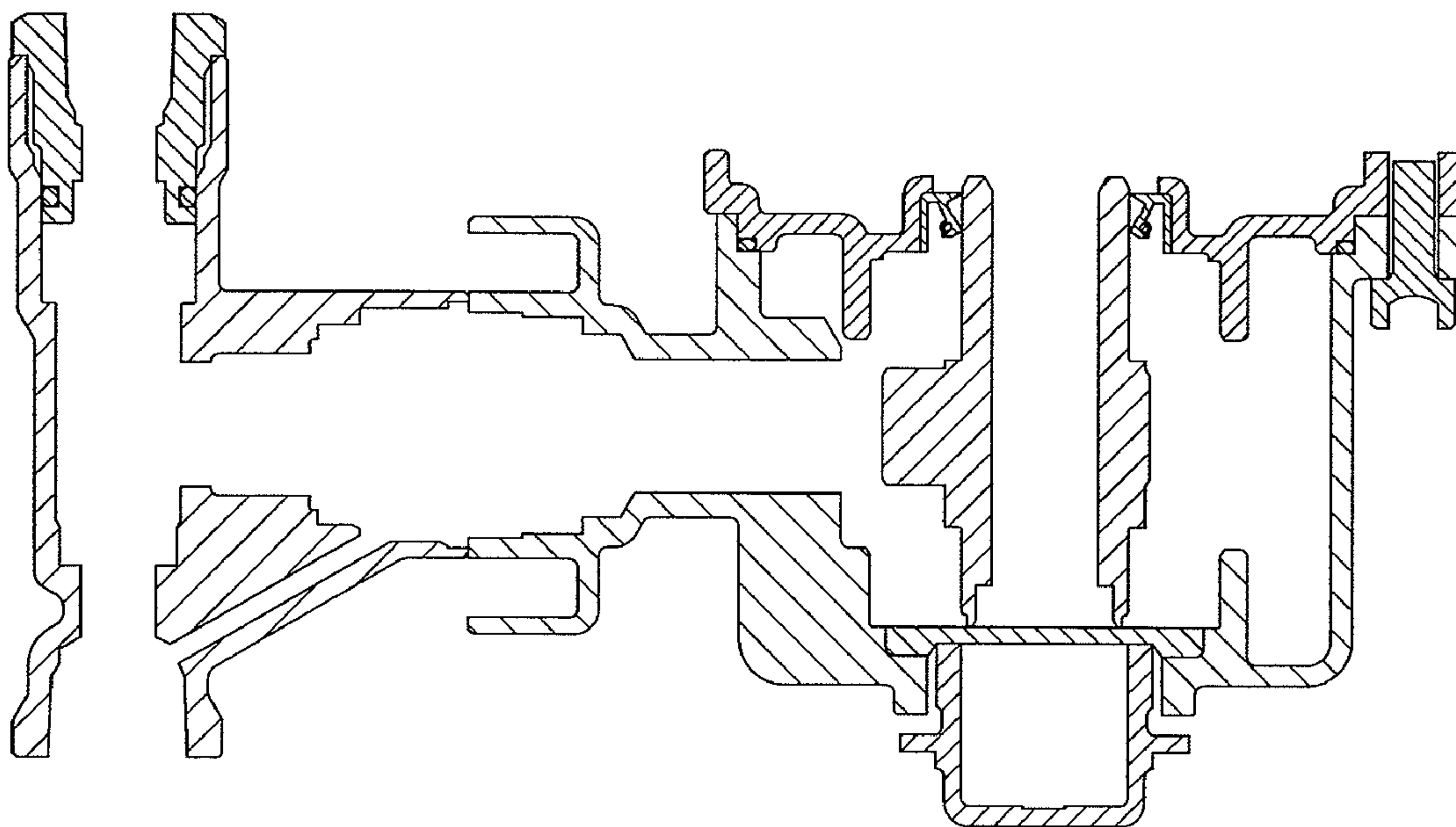


FIG. 9

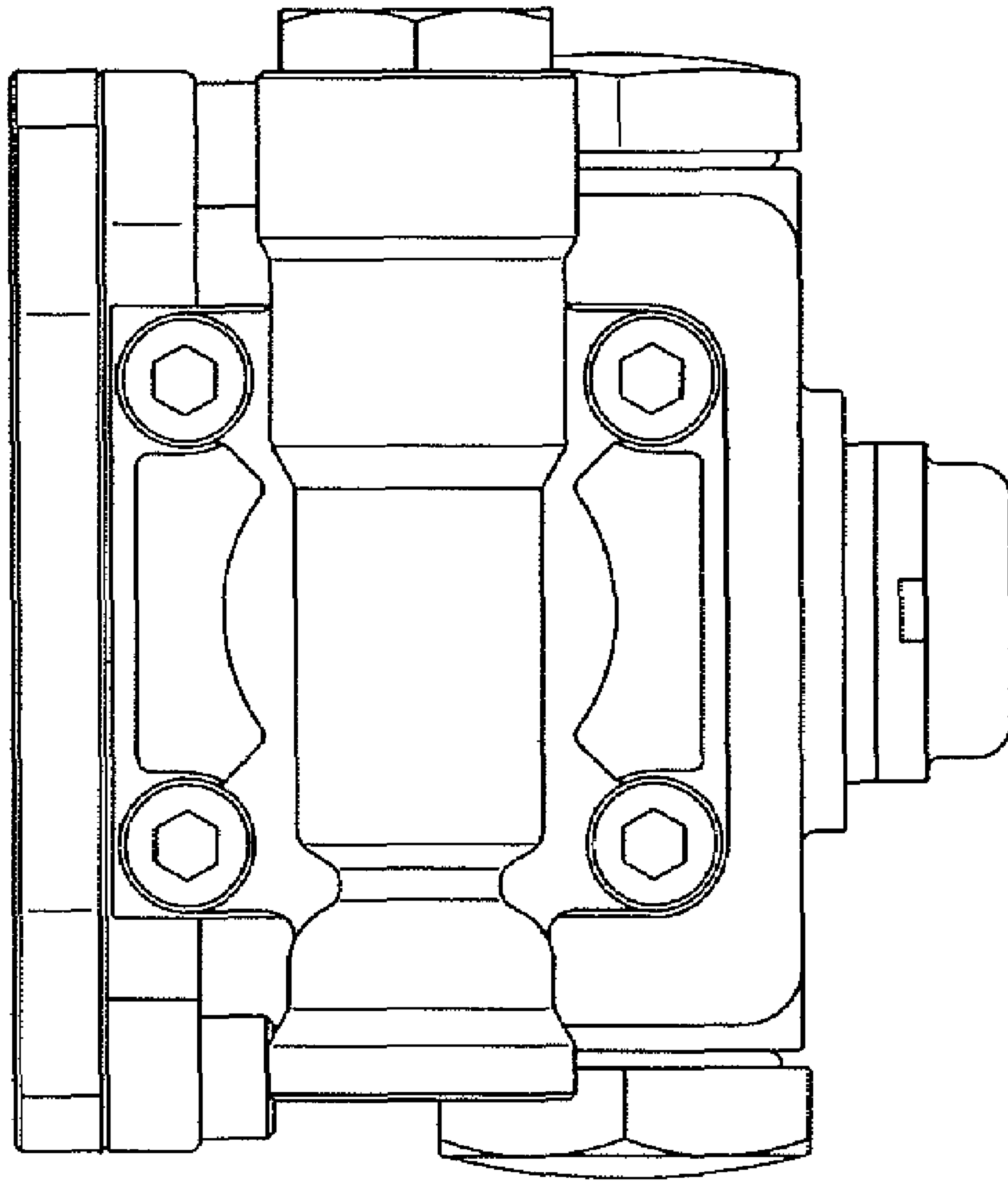


FIG. 10

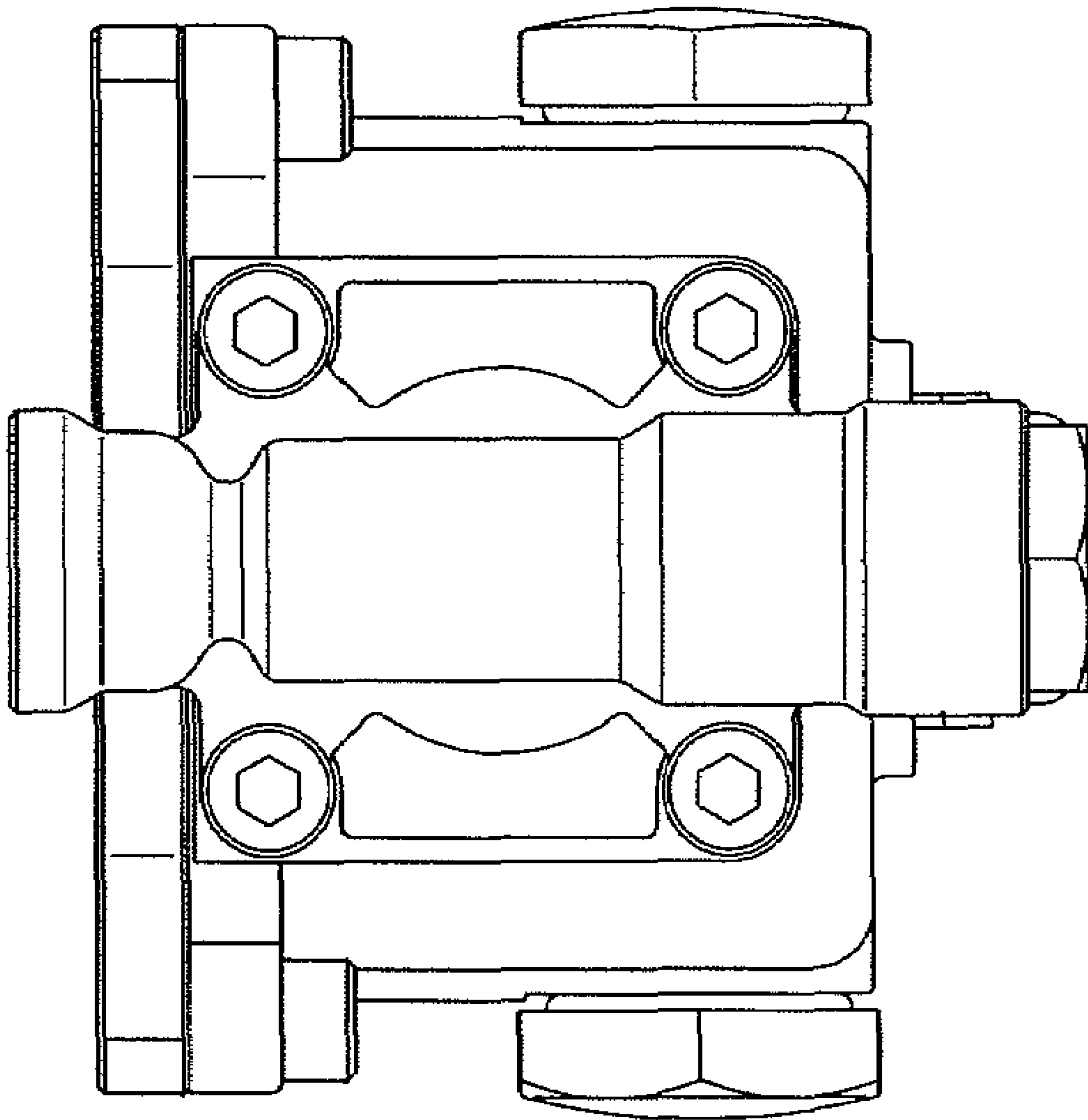


FIG. 11

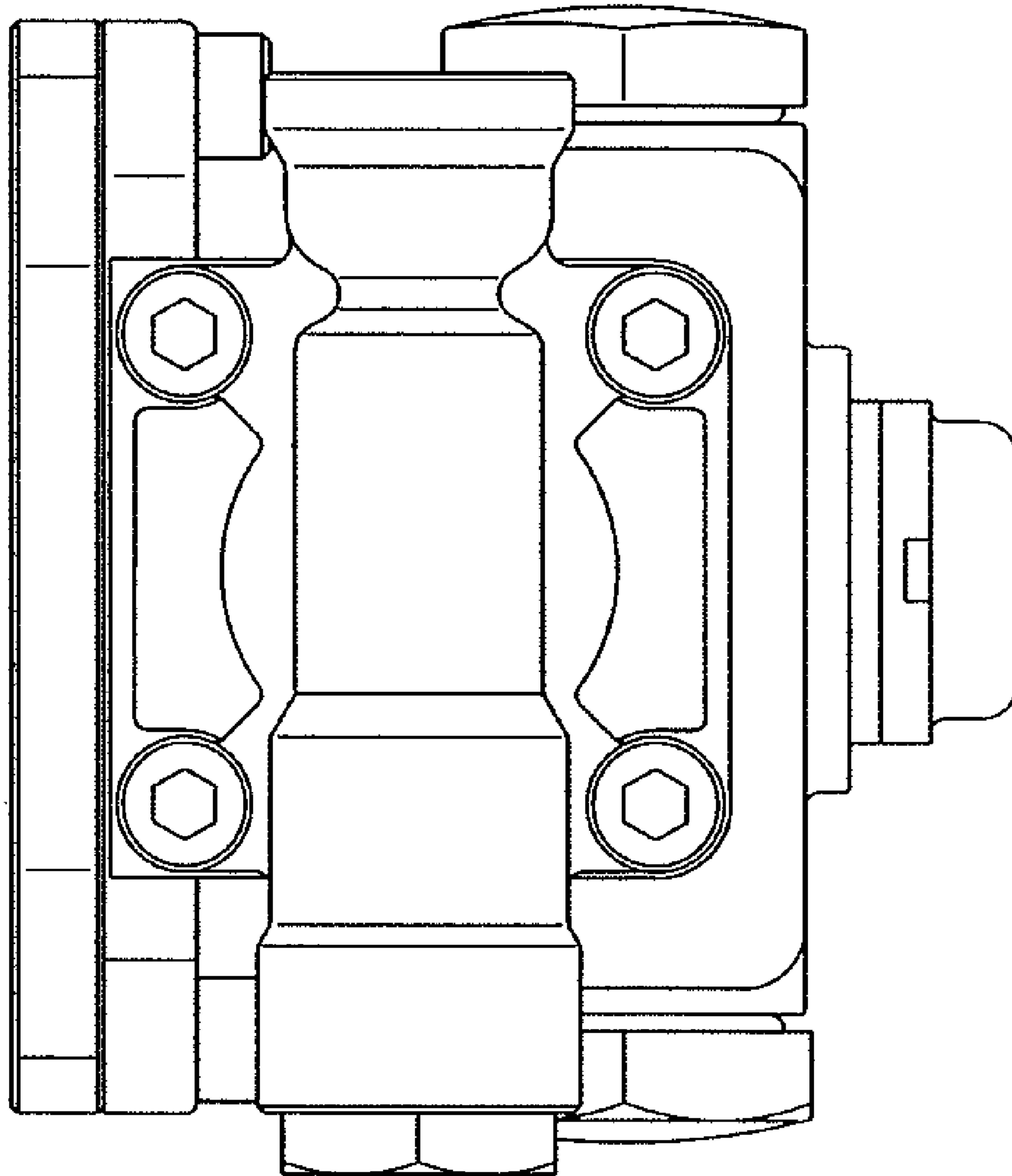


FIG. 12