



US00D794077S

(12) **United States Design Patent** (10) **Patent No.:** **US D794,077 S**  
**Shimogami et al.** (45) **Date of Patent:** **\*\* Aug. 8, 2017**

(54) **INTERNAL COMBUSTION ENGINE**

(71) Applicant: **mitsubishi Heavy Industries, LTD.**, Minato-ku, Tokyo (JP)

(72) Inventors: **Jun Shimogami**, Tokyo (JP); **Kazuyuki Uenoyama**, Tokyo (JP); **Hiroyasu Aruga**, Tokyo (JP); **Shinya Ito**, Tokyo (JP)

(73) Assignee: **Mitsubishi Heavy Industries, Ltd.** (JP)

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

(21) Appl. No.: **29/562,614**

(22) Filed: **Apr. 27, 2016**

(30) **Foreign Application Priority Data**

Nov. 25, 2015 (JP) ..... 2015-026240

(51) **LOC (10) Cl.** ..... **15-01**

(52) **U.S. Cl.**  
USPC ..... **D15/1**

(58) **Field of Classification Search**

USPC ..... D15/1-5, 11, 12, 17, 14, 149;  
D32/15-19, 21, 25; D23/213, 383  
CPC ..... F01P 5/02; F01P 1/02; F01P 1/06; F01P  
2001/023; F02B 75/007; F02B 63/02;  
F02B 75/02; F02B 2075/022; F02B  
75/16; F02B 2075/025; F02B 75/18  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D416,265 S \* 11/1999 Kato ..... D15/1  
D503,410 S \* 3/2005 Kato ..... D15/1

D599,822 S \* 9/2009 Okuda ..... D15/1  
D638,856 S \* 5/2011 Koizumi ..... D15/5  
D644,664 S \* 9/2011 Sugiyama ..... D15/1  
D646,299 S \* 10/2011 Aruga ..... D15/1  
D667,024 S \* 9/2012 Taniguchi ..... D15/1  
D682,782 S \* 5/2013 Yamamoto ..... D13/112  
D700,620 S \* 3/2014 Aruga ..... D15/1  
D704,741 S \* 5/2014 Tinius ..... D15/1  
2013/0284126 A1 \* 10/2013 Kimura ..... F01P 1/06  
123/2  
2014/0216402 A1 \* 8/2014 Oppenlander ..... F02M 3/10  
123/437  
2016/0237876 A1 \* 8/2016 Ichihashi ..... F01N 3/10

\* cited by examiner

*Primary Examiner* — T. Chase Nelson

*Assistant Examiner* — Ania Aman

(74) *Attorney, Agent, or Firm* — Saidman DesignLaw Group, LLC

(57) **CLAIM**

The ornamental design for an internal combustion engine, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of an internal combustion engine showing our new design;  
FIG. 2 is a rear perspective view thereof;  
FIG. 3 is a front elevational view thereof;  
FIG. 4 is a rear elevational view thereof;  
FIG. 5 is a left side elevational view thereof;  
FIG. 6 is a right side elevational view thereof;  
FIG. 7 is a top plan view thereof; and,  
FIG. 8 is a bottom plan view thereof.  
The broken lines illustrate structure or features which form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**

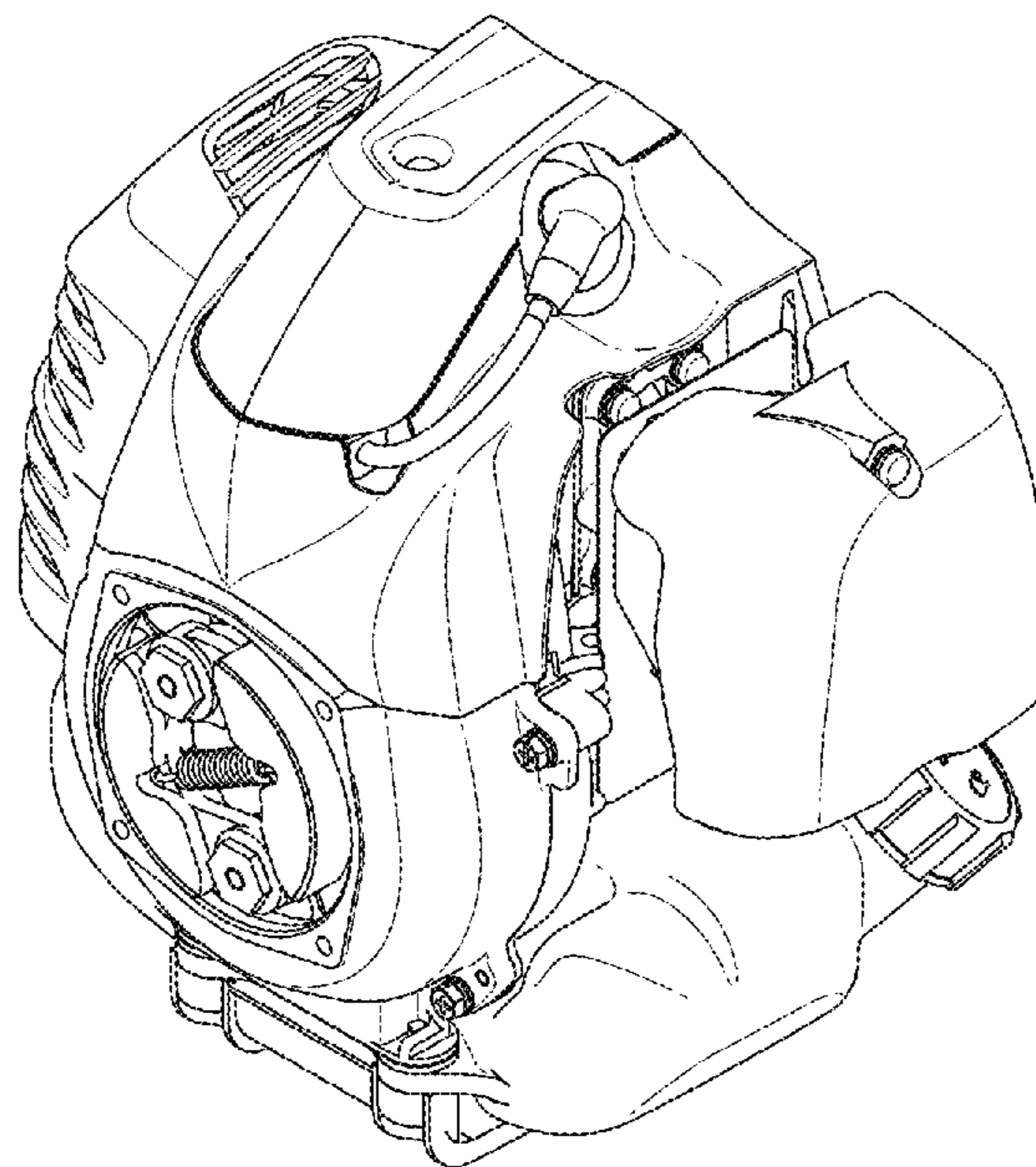


FIG. 1

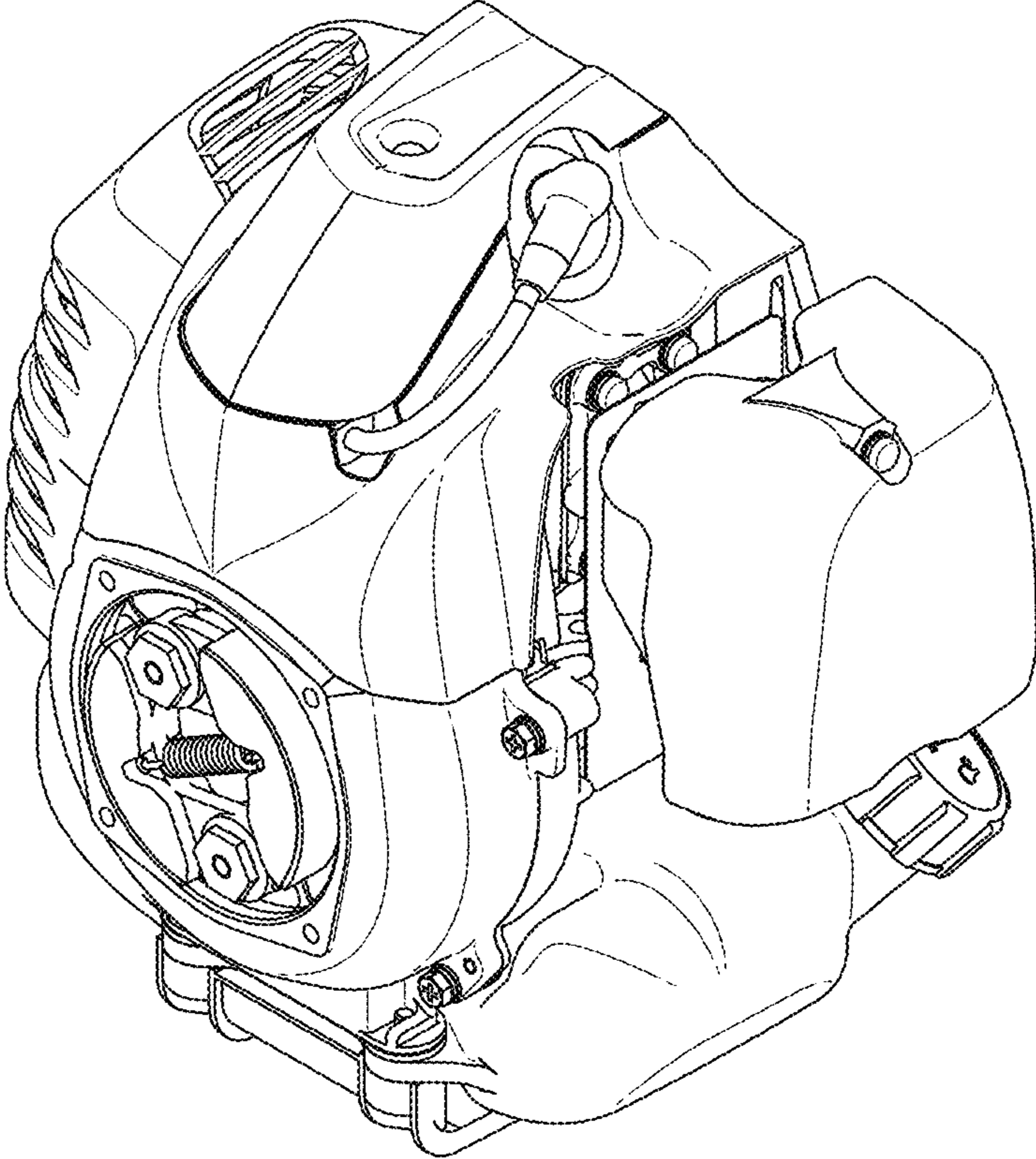


FIG.2

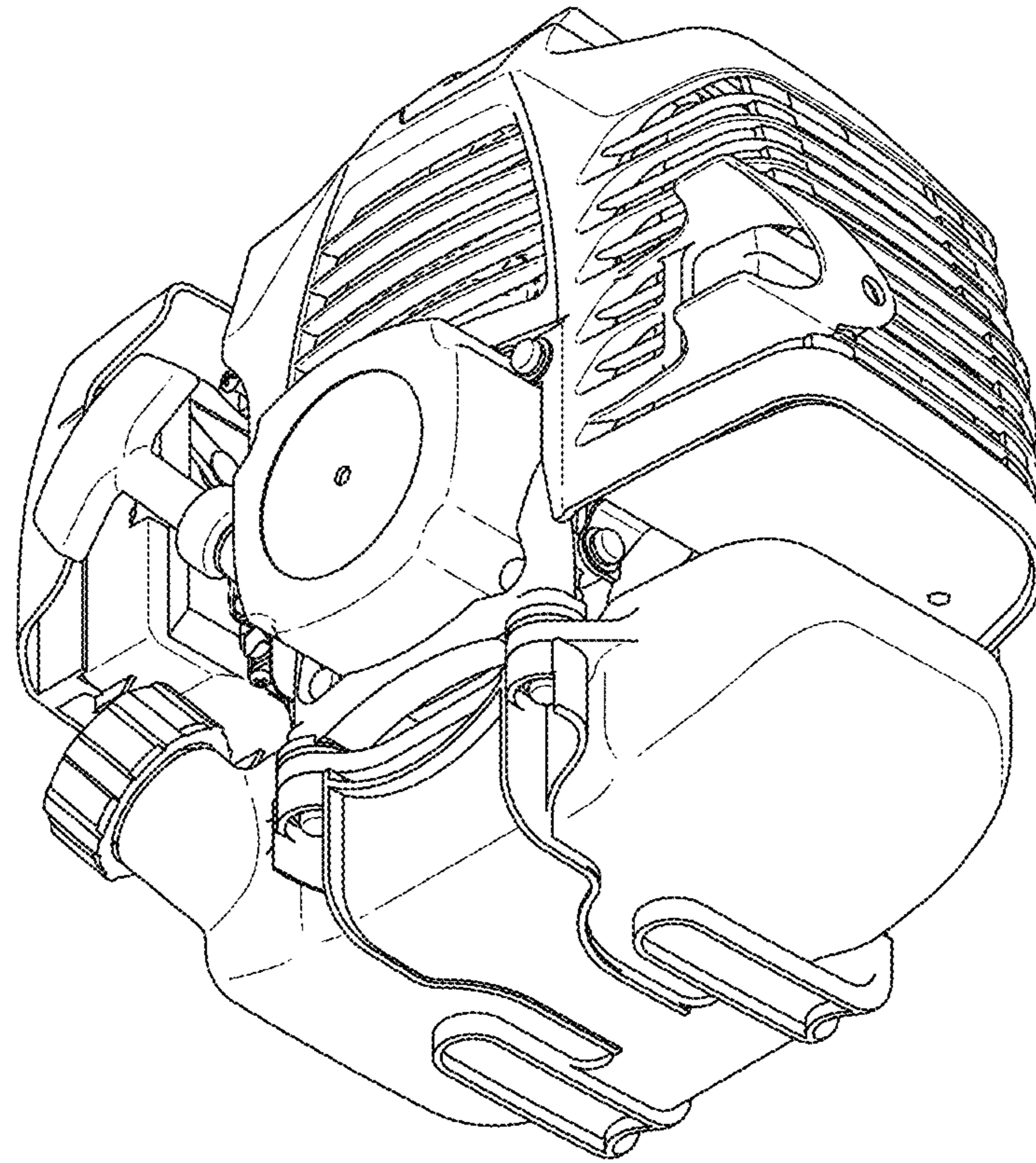


FIG.3

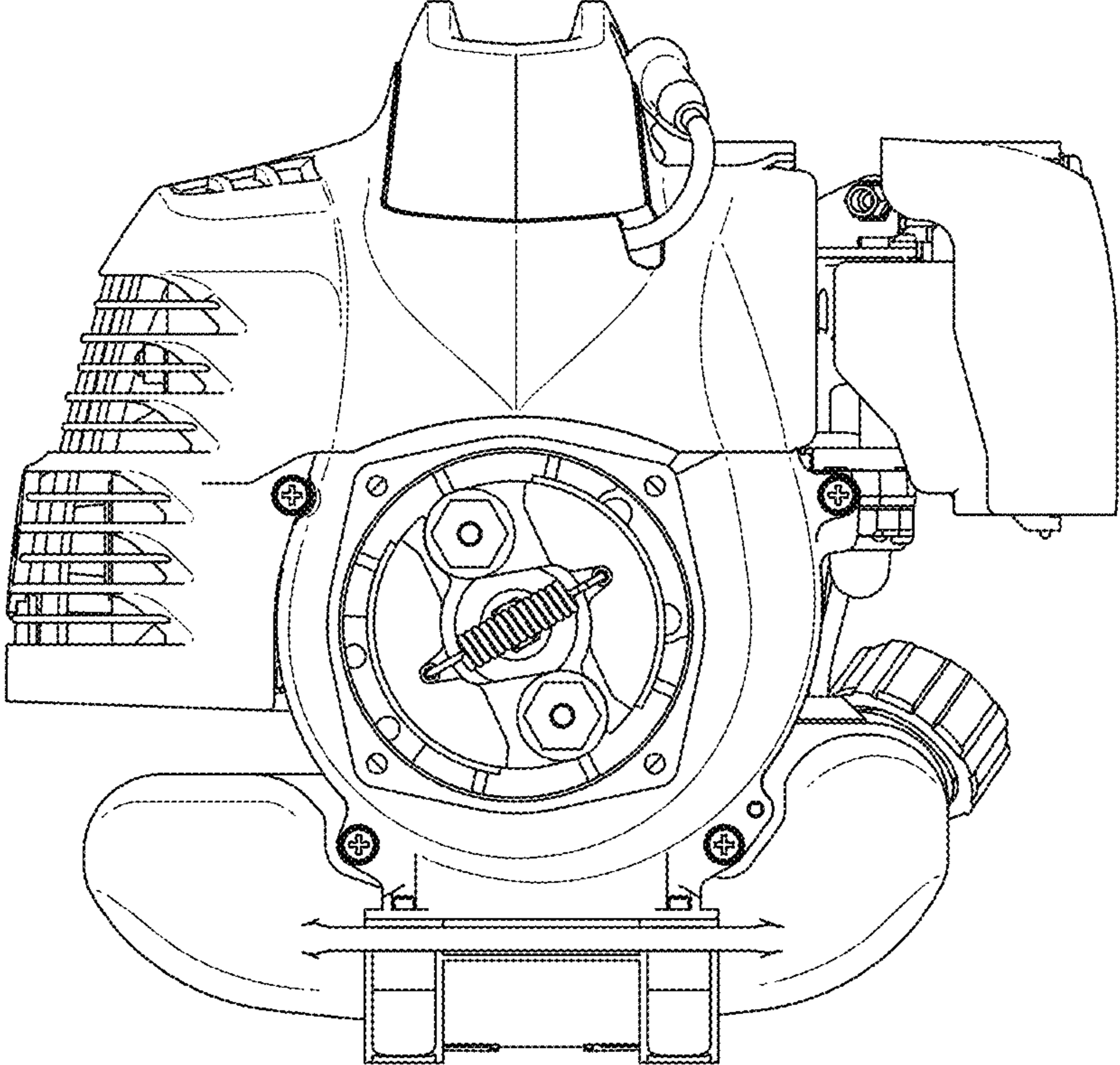


FIG.4

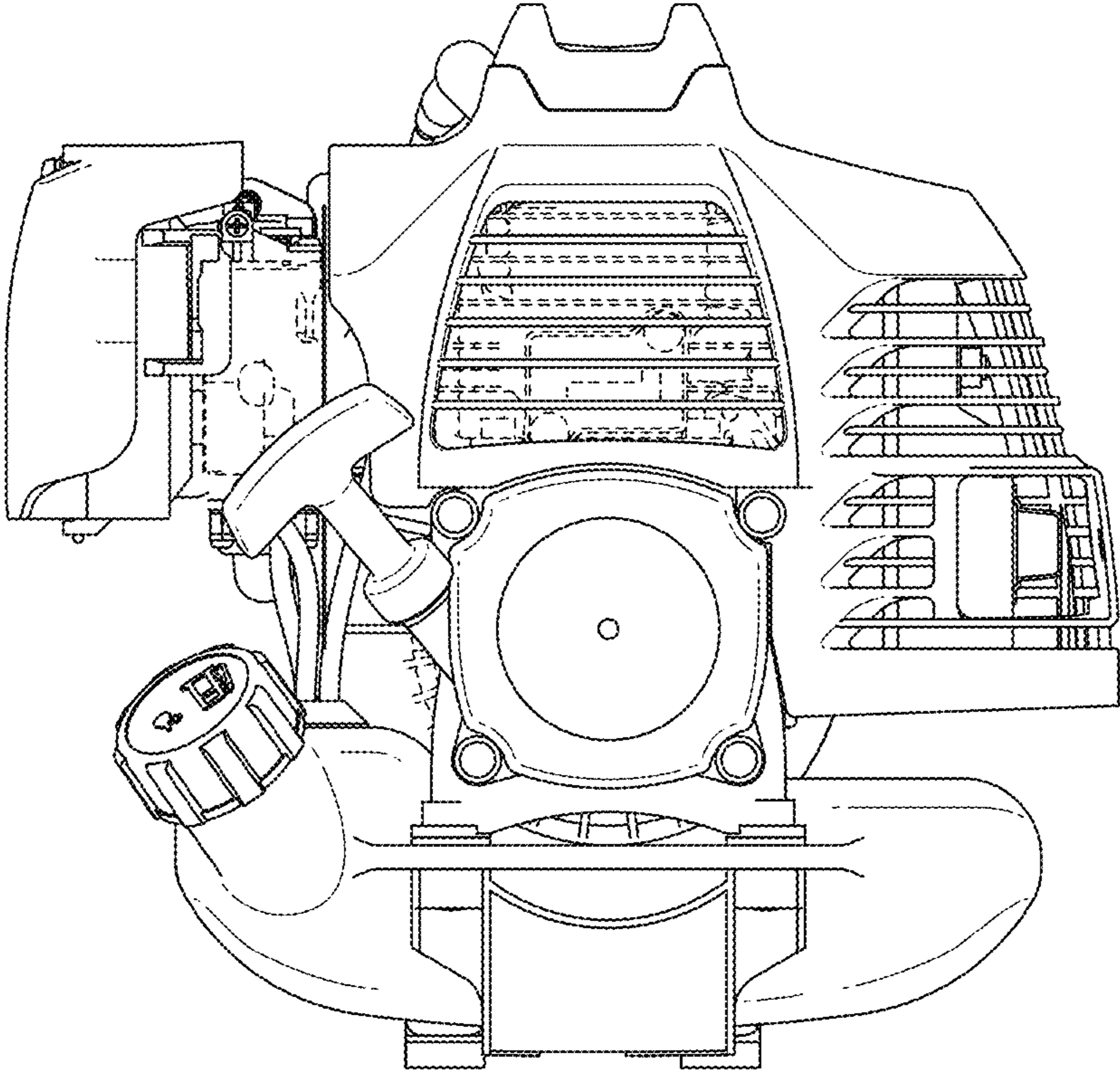


FIG.5

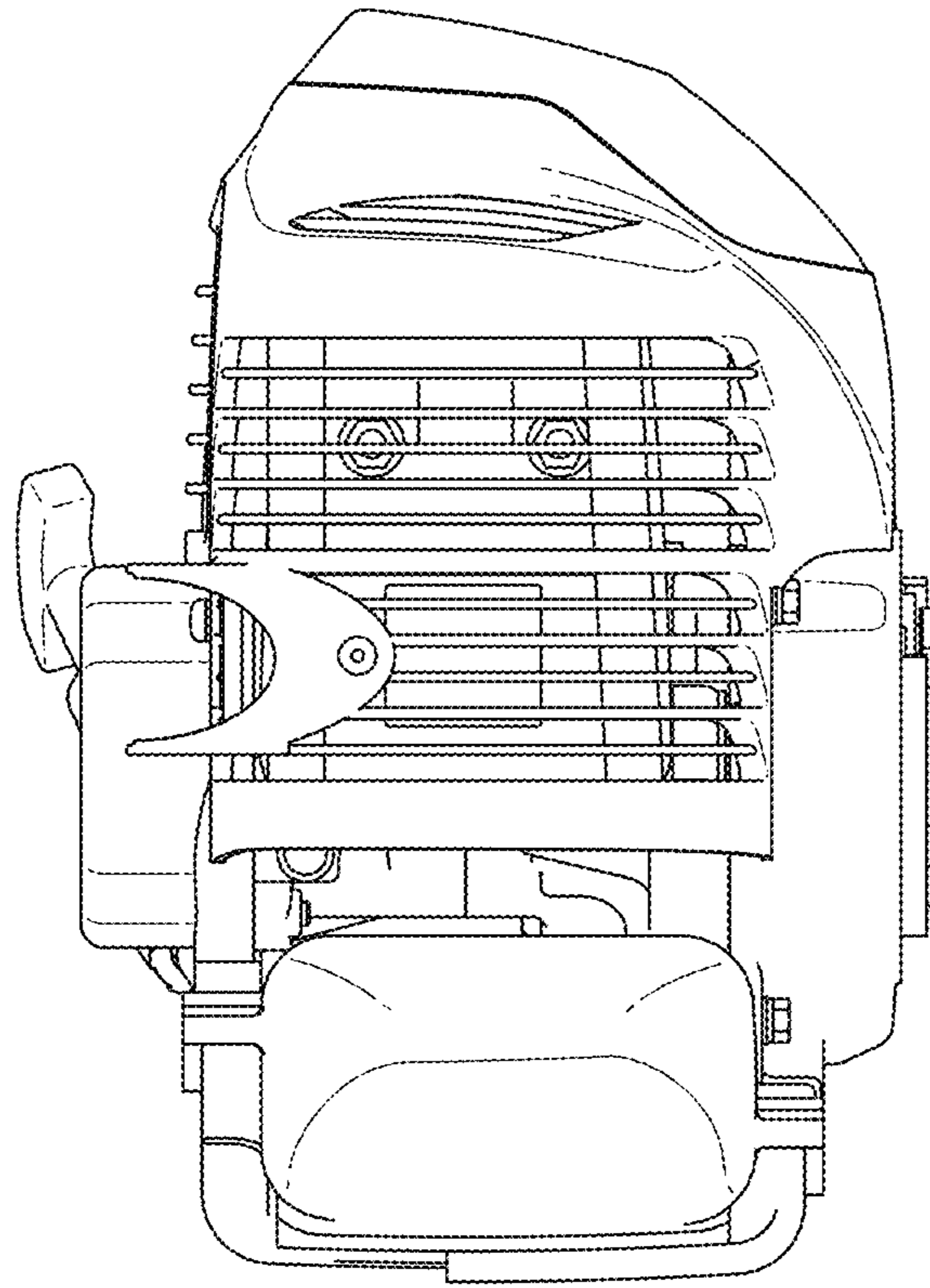


FIG.6

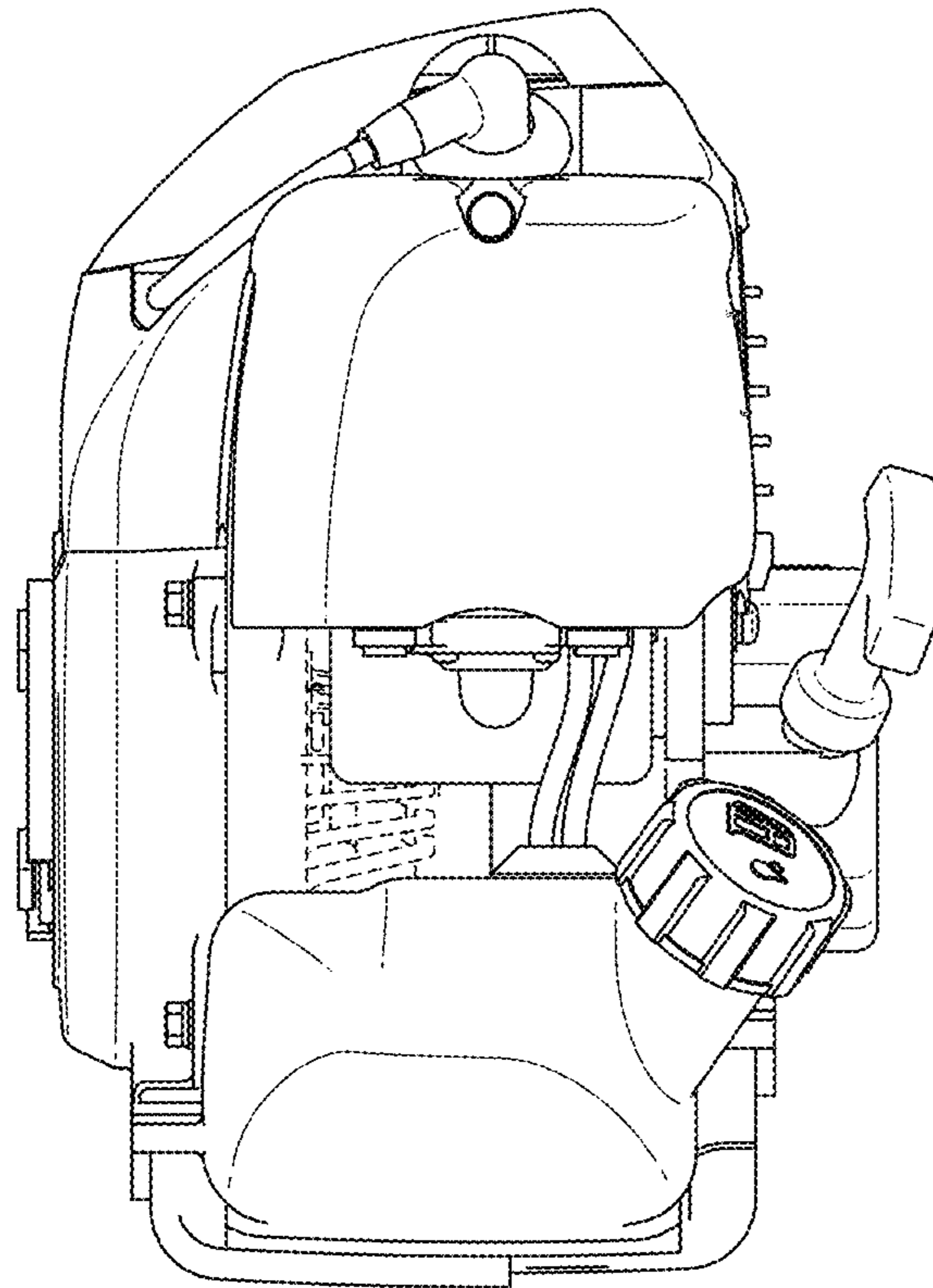


FIG.7

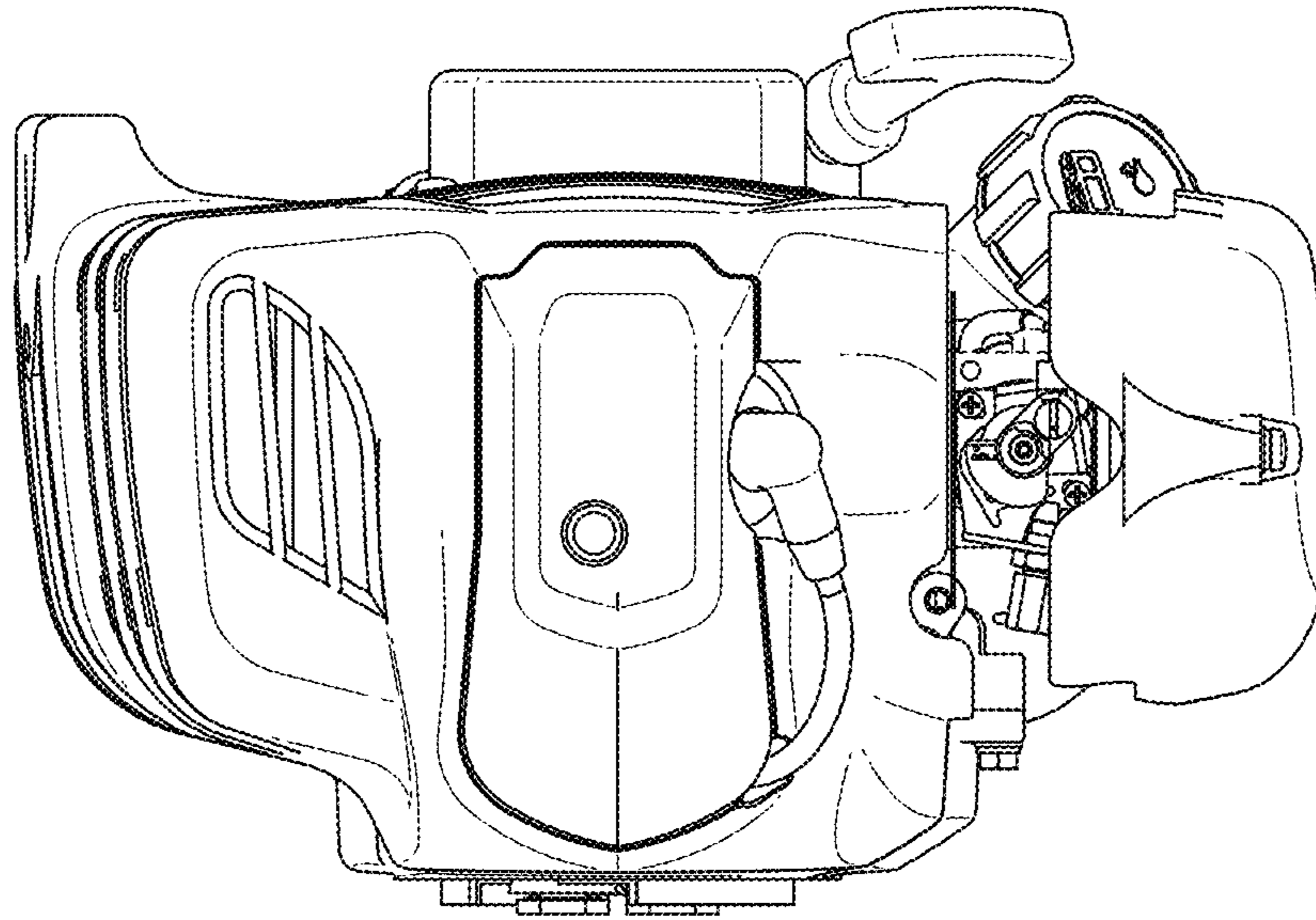


FIG.8

