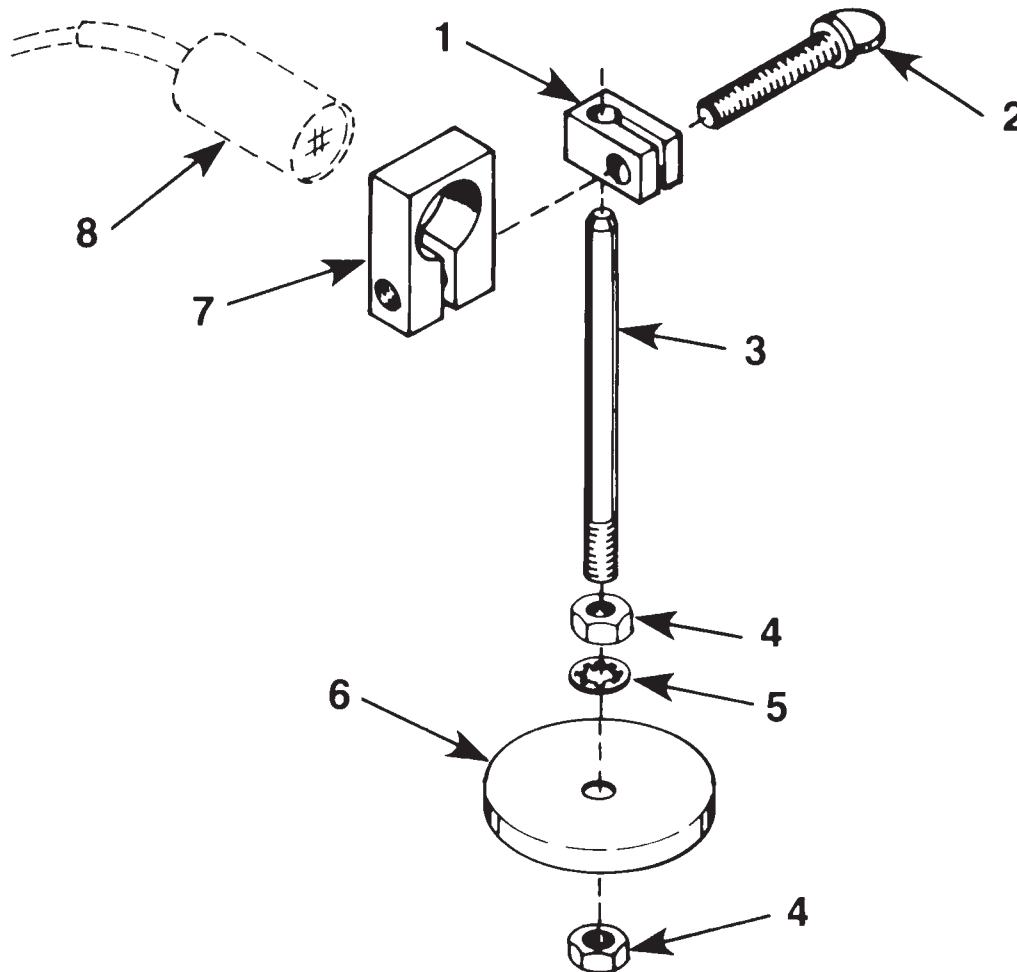


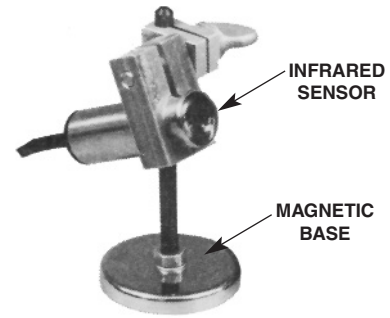
**Operating Instructions
for:****206380
HT2517****PHOTOTACHOMETER SENSOR ASSEMBLY**

Item No.	Part No.	No. Req'd	Description
1	39810	1	Block
2	16233	1	Thumbscrew (1/4-20 X 1-1/2 Lg.)
3	206102	1	Post
4	10107	2	Nut, 1/4-20
5	10256	1	Lockwasher, 1/4 Internal
6	206103	1	Magnet Assembly
7	38510	1	Block
8	44070	1	Infrared Sensor



WARNING

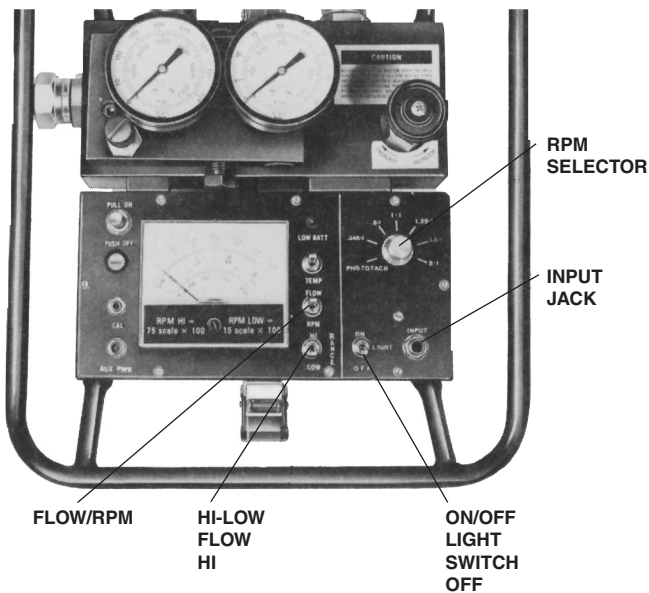
The sensor cable must be clear of belts and other moving parts when performing this test procedure!



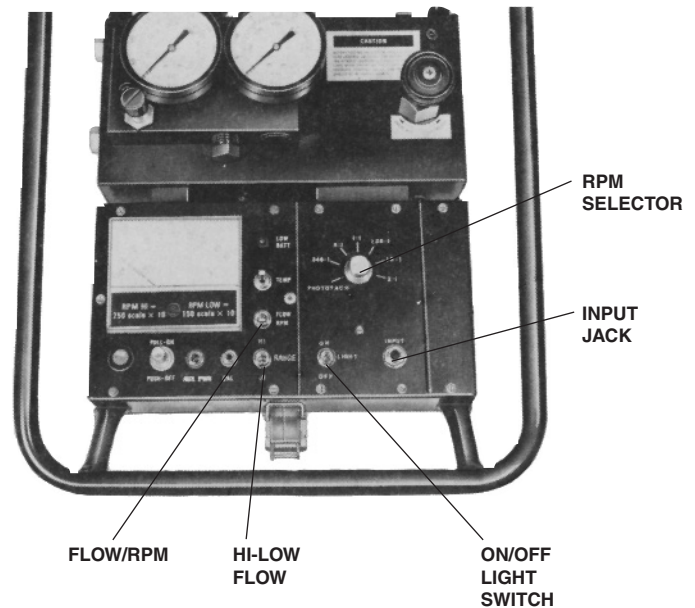
Refer to the photos below for location of the tester controls when using the phototach to read engine RPM.

1. Prepare the selected rotating object that will be used to read RPM by applying light-reflective tape #204666.
2. Connect the electrical cable of the infrared sensor to the INPUT jack on the hydraulic tester panel and set the FLOW/RPM toggle switch to the RPM position. Set the RPM selector knob to PHOTOTACH position. Set the ON/OFF light toggle switch to ON to turn on the infrared sensor. Set the hydraulic tester ON/OFF power switch to the ON position. Set Hi/Low Range Low switch to Hi.
3. Place the magnetic base of the phototachometer sensor assembly onto a ferrous surface to securely position the infrared sensor within 12" and perpendicular to the selected object. Set the selected object in motion and carefully aim the infrared sensor directly at the light-reflective tape. The RPM is read on the hydraulic tester meter panel high or low flow scale depending upon the position of the HI/LOW range selector switch. (That switch is located below the RPM switch on the tester panel.) Refer to RPM multiplication decal on meter face.

IMPORTANT: Neither the object being measured or the infrared sensor should be positioned in direct sunlight. This will not damage the tester but will make an accurate RPM reading virtually impossible.



75 GPM TESTER



200 GPM TESTER