

SERVICE BULLETIN #85-01

January 5, 1985

TO: USERS OF THE BELOW LISTED THROTTLE BODY INJECTORS

SUBJECT: Idle Mixture Screw Replacement

MODELS AFFECTED: EFS-3 S/N 1021 to 1030
 EFS-4 S/N 1020 to 1036
 EFS-4-5 S/N 1020 to 1037

COMPLIANCE:

The subject replacement must be accomplished within the next 10 hours of operation or immediately if changes in idle mixture are observed or suspected. Failure to comply could result in engine failure.

Compliance may be accomplished by carrying out the procedure specified below, or by returning the Throttle Body Injector to Ellison Fluid Systems, Inc. Returned units will be disassembled, inspected and updated at no charge if shipped prepaid with a \$5.00 check for return shipping and handling.

PROCEDURE:

1. Using a 5/32 Allen wrench*, slowly rotate the idle mixture screw clockwise. Note the approximate number of degrees of rotation required to bottom the screw and record for later reference.

*The model EFS-4 will require an Allen wrench which has had its short end ground to a length of 3/8 inch.

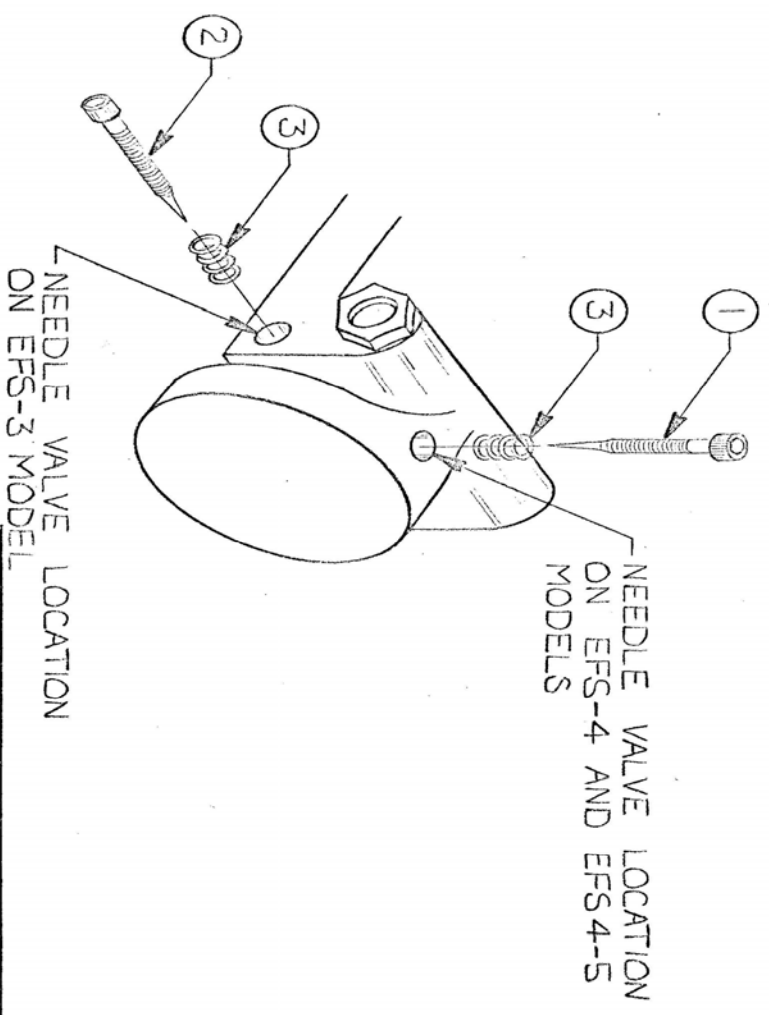
2. Remove the idle mixture screw by CCW rotation. If the screw comes out without its o-ring seal, then the o-ring must be removed by reaching into the counter-bore with some suitable tool.
3. Place the idle mixture screw and o-ring into the supplied stamped envelope and return to Ellison Fluid Systems, Inc.
4. Install the new needle screw and retaining spring which are supplied with this bulletin in accordance with the attached sketch (no o-ring is required in the installation of these parts).
5. Rotate the screw CW against the spring until bottomed and then rotate CCW the number of turns recorded in step #1 above.
6. Adjust the idle mixture in accordance with section 3-3 of the enclosed installation manual.

Please call Ellison Fluid Systems, Inc. at (425) 271-3220 if any difficulty is experienced in carrying out the above procedure.

Enclosures:

1. Needle screw
2. Retaining spring
3. Drawing
4. Installation Manual
5. Stamped envelope for return of removed parts

NOTE: If you are not longer in possession of the Throttle Body Injector, please forward this information to the present owner/operator and notify Ellison Fluid Systems, Inc. of owner/address change. Notification should include the serial number and current owner's name and address. Direct all corrections/changes to the address appearing on the letterhead.



- 1. EFS-4, 4-5 NEEDLE VALVE
P/N 19-035
- 2. EFS-3 NEEDLE VALVE
P/N 19-036
- 3. COMPRESSION SPRING
P/N 17-002

ELLISON FLUID SYSTEMS, INC. 350 AIRPORT WAY - RENTON, WA, 98055	
SCALE: NONE	APPROVED BY: <i>S.B.</i>
DATE: 1-7-85	DRAWN BY: WLR
S. B. 85-01	
NEEDLE VALVE REPLACEMENT	
DRAWING NUMBER	85-01