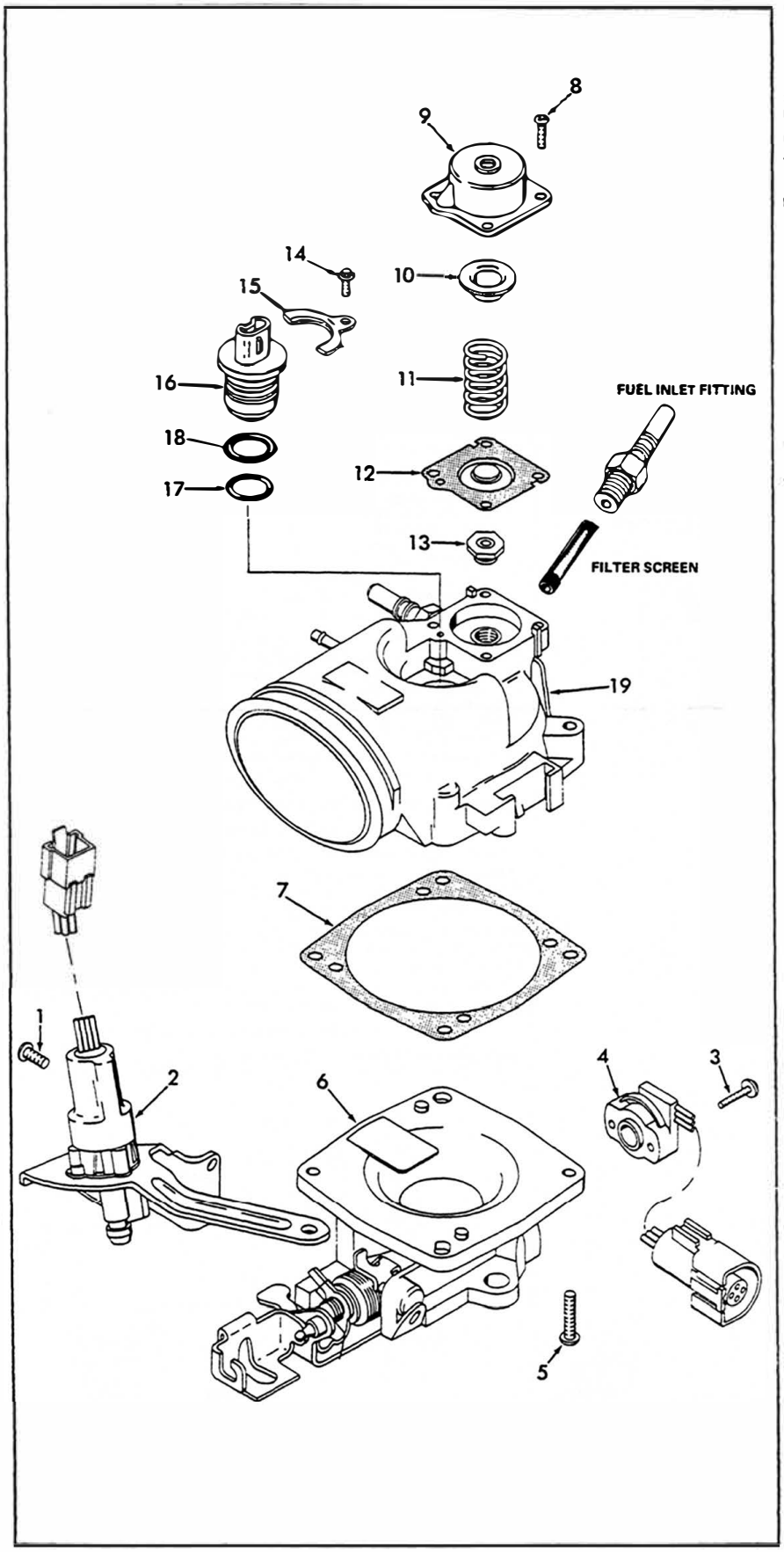
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INSTRUCTION SHEET
OFF VEHICLE CFI SERVICE
MOTORCRAFT - CENTRAL FUEL INJECTION

50-686-1

2.3L, 2.3L+ AND 2.5L HSC ENGINES

GENERAL EXPLODED VIEW



DISASSEMBLY

USE THE EXPLODED VIEW AS A GUIDE. THE NUMERICAL SEQUENCE MAY GENERALLY BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGH TO PERMIT CLEANING ANO INSPECTION.

SPECIAL DISASSEMBLY NOTES

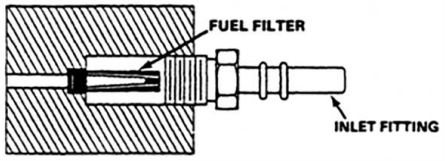
SCREWS (1). (3). (5), (8), (14) HAVE LOCTITE APPLIED TO THEM. FOR EASIER REMOVAL HEAT SCREW WITH A SOLDERING GUN.

PRESSURE REG. COVER (9) - WHEN REMOVING SCREWS KEEP A PRESSURE ON COVER AS SCREWS ARE REMOVED. THEN RELEASE SLOWLY. (HEAVY SPRING UNDER COVER).

INJECTOR ASSY. - FILTER SCREEN IS NOT REMOVABLE.

FUEL INLET FILTER SCREEN - LOCATED BEHIND FUEL INLET FITTING. USED ON SOME 1985 UNITS AND ALL LATER APPLICATIONS. SEE SPECIAL INSTRUCTIONS BELOW

FUEL FILTER (SHOWN IN PLACE)



NOMENCLATURE

REF. NO.		REF. NO.	
1.	SCREW (3) - BRACKET T/C	10.	RETAINER - SPRING
2.	THROTTLE CONTROL MOTOR & BRACKET ASSEMBLY	11.	SPRING - PRESSURE REG. DIAPHRAGM
3.	SCREW & WASHER (2) - THROTTLE SENSOR	12.	DIAPHRAGM ASSY. - PRESSURE REG.
4.	THROTTLE SENSOR ASSEMBLY	13.	SEAT - PRESSURE REG. VALVE
5.	SCREW (3) - THROTTLE BODY	14.	SCREW - RETAINER
6.	THROTTLE BODY ASSY. - FUEL CHARGING	15.	RETAINER - INJECTOR
7.	GASKET - THROTTLE BODY	16.	INJECTOR ASSEMBLY
8.	SCREW (4) - COVER	17.	O-RING - INJECTOR (LOWER)
9.	COVER - PRESSURE REG.	18.	O-RING - INJECTOR (UPPER)
		19.	FUEL CHARGING MAIN BODY

CLEANING

CLEANING MUST BE DONE WITH UNIT DISASSEMBLED. USE A SPRAY CARBURETOR CLEANER SOLVENT, MAKE CERTAIN THE THROTTLE BORE IS FREE OF ALL CARBON AND VARNISH DEPOSITS. RINSE OFF IN A SUITABLE SOLVENT. BLOW OUT ALL PASSAGES IN THE CASTINGS WITH COMPRESSED AIR AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS. **CAUTION: DO NOT SDAK ASSEMBLIES (2), (4), (6), (12), (16) IN ANY TYPE OF CLEANING SOLVENT. CAREFULLY CLEAN FUEL INJECTOR SCREEN. IT IS NOT REMOVABLE FROM INJECTOR.**

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS.

SPECIAL INSTRUCTIONS

O-RINGS (17), (18) - APPLY LIGHT COATING OF OIL FOR EASIER ASSEMBLY.

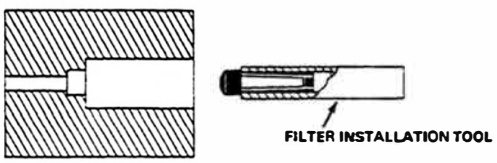
SCREWS (5). (8). (14) AND FUEL INLET FITTING. BEFORE INSTALLING APPLY A LIGHT COATING OF LOCTITE 271 OR EQUIVALENT TO THREADS. TIGHTEN TO SPECIFIED TORQUE SETTINGS (SEE CHART).

PRESSURE REG. DIAPHRAGM (12) - ASSEMBLE PARTS IN PLACE AND HOLD COVER DOWN FIRMLY IN PLACE. THEN INSTALL COVER SCREWS AND TIGHTEN EVENLY TO PROPER TORQUE.

THROTTLE SENSOR ASSY. - AFTER INSTALLING CHECK FOR SMOOTH OPERATION OF THROTTLE LEVER. AND ACTUATION OF SENSOR.

FILTER SCREEN REPLACEMENT

REMOVE FUEL INLET FITTING. USING A LONG NOSE PLIERS. GRASP END OF FILTER ANO WORK OUT OF HOUSING (TIGHT FIT). CAUTION: BE SURE PASSAGE IS CLEAR OF ANY FOREIGN MATERIAL. TO INSTALL NEW FILTER. PLACE FILTER IN END OF INSTALLATION TOOL AND CAREFULLY PLACE IN HOUSING AND THEN LIGHTLY TAP ON TOOL TO FIRMLY SEAT FILTER.



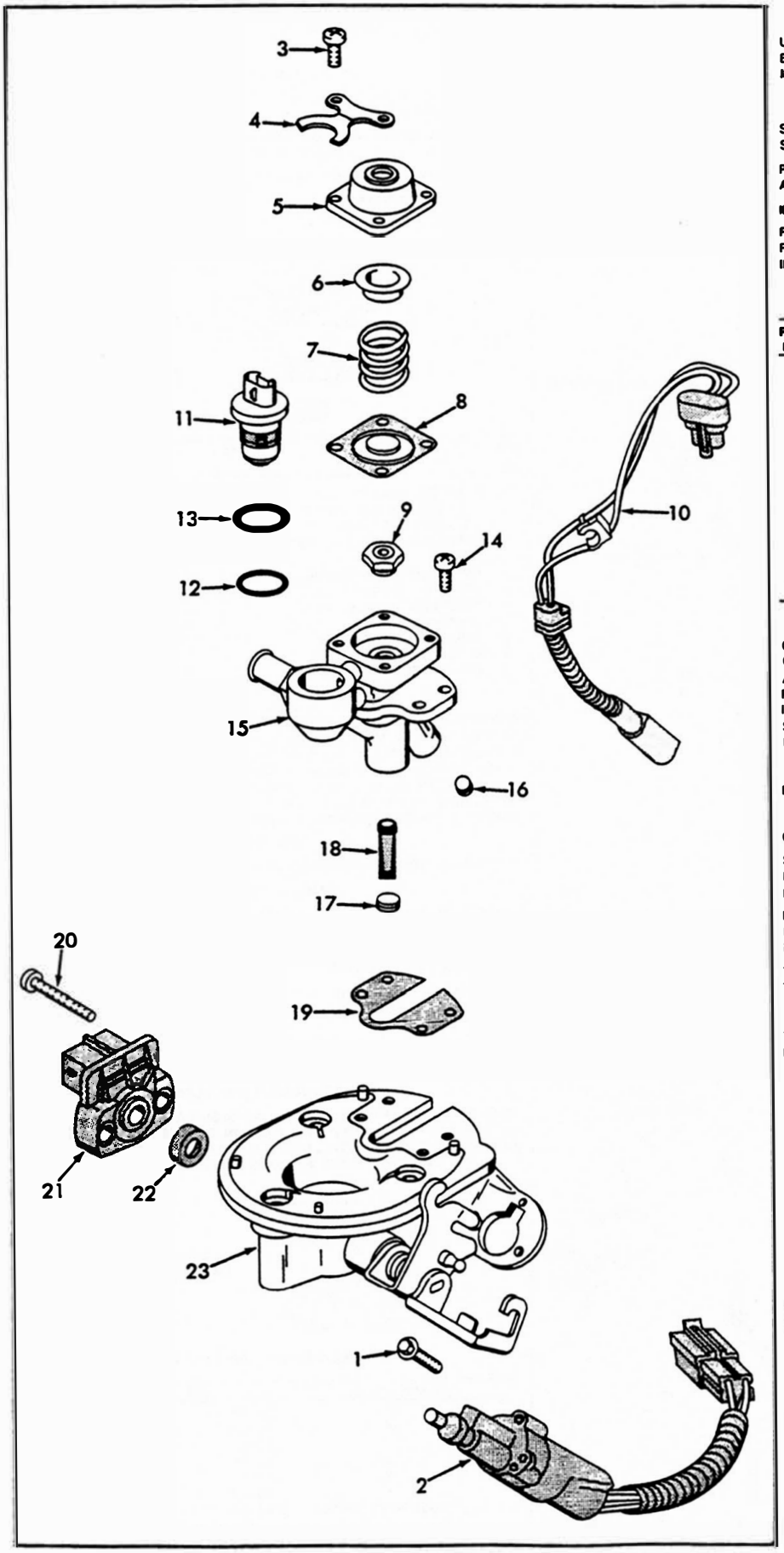
SCREW TORQUE SPECIFICATION

SCREW REF. NO.	N*M	LBS. INCHS
13	12.0-14.0	105.0-125.0
14	2.0-2.4	17.7-21.2
8	2.5-3.0	22.0-26.5
5	3.0-4.5	26.0-39.0
3	1.2-1.8	10.6-15.9
1	3.5-5.0	32.0-44.0
FUEL INLET FITTING	18.9-23.0	14-17 LBS. FT.

INSTRUCTION SHEET
OFF VEHICLE CFI SERVICE
MOTORCRAFT - CENTRAL FUEL INJECTION

1.9L CVH ENGINE

GENERAL EXPLODED VIEW



DISASSEMBLY

USE THE EXPLODED VIEW AS A GUIDE. THE NUMERICAL SEQUENCE MAY GENERALLY BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGH TO PERMIT CLEANING AND INSPECTION.

SPECIAL DISASSEMBLY NOTES

SCREWS (3), (14), (20), HAVE LOCTITE APPLIED TO THEM. FOR EASIER REMOVAL HEAT SCREW WITH A SOLDERING GUN.

PRESSURE REG. COVER (5) - WHEN REMOVING SCREWS KEEP A PRESSURE ON COVER AS SCREWS ARE REMOVED, THEN RELEASE SLOWLY. (HEAVY SPRING UNDER COVER).

INJECTOR ASSY. - FILTER SCREEN IS NOT REMOVABLE.

FUEL INLET FILTER SCREEN - LOCATED BEHIND FUEL INLET PASSAGE PLUG (17). TO REMOVE USE A LONG NOSE PLIERS, GRASP END OF FILTER AND WORK OUT OF HOUSING (TIGHT FIT).

NOMENCLATURE

REF. NO.		REF. NO.	
1.	SCREW (3) - THROTTLE CONTROL	11.	INJECTOR ASSY.
2.	ACTUATOR ASSY. - THROTTLE CONTROL	12.	O-RING - INJECTOR (LOWER)
3.	SCREW (4) - COVER	13.	O-RING - INJECTOR (UPPER)
4.	RETAINER - FUEL INJECTOR	14.	SCREW (4) - MAIN BODY
5.	COVER - FUEL PRESSURE REG.	15.	MAIN BODY ASSY. - INJECTOR
6.	CUP - FUEL PRESSURE REG. DIAPHRAGM	16.	PLUG - PASSAGE
7.	SPRING - FUEL PRESSURE REG. DIAPHRAGM	17.	PLUG - INLET PASSAGE
8.	DIAPHRAGM ASSY. - FUEL PRESSURE REG.	18.	SCREEN - FUEL FILTER
9.	SEAT - PRESSURE REG. VALVE	19.	GASKET - MAIN BODY
10.	WIRING ASSY. - FUEL INJECTOR	20.	SCREW (2) - THROTTLE SENSOR
		21.	THROTTLE SENSOR ASSY.
		22.	BUSHING - THROTTLE SHAFT (PLASTIC)
		23.	THROTTLE BODY ASSY.

CLEANING

CLEANING MUST BE DONE WITH UNIT DISASSEMBLED. USE A SPRAY CARBURETOR CLEANER SOLVENT. MAKE CERTAIN THE THROTTLE BORE IS FREE OF ALL CARBON AND VARNISH DEPOSITS. RINSE OFF IN A SUITABLE SOLVENT. BLOW OUT ALL PASSAGES IN THE CASTINGS WITH COMPRESSED AIR AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS. **CAUTION: DO NOT SOAK ASSEMBLIES (2), (8), (10), (11), (21), (23), IN ANY TYPE OF CLEANING SOLVENT. CAREFULLY CLEAN FUEL INJECTOR SCREEN, IT IS NOT REMOVABLE FROM INJECTOR.**

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS.

SPECIAL INSTRUCTIONS

O-RINGS (12), (13) - APPLY LIGHT COATING OF OIL FOR EASIER ASSEMBLY.

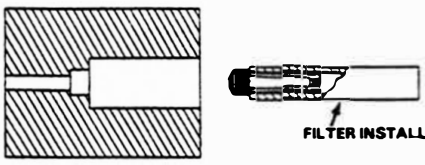
SCREWS (3), (14), (20) AND FUEL PASSAGE PLUGS, BEFORE INSTALLING APPLY A LIGHT COATING OF LOCTITE 271 OR EQUIVALENT TO THREADS. TIGHTEN TO SPECIFIED TORQUE SETTINGS (SEE CHART).

PRESSURE REG. DIAPHRAGM (8) - ASSEMBLE PARTS IN PLACE AND HOLD COVER DOWN FIRMLY IN PLACE. THEN INSTALL COVER SCREWS AND TIGHTEN EVENLY TO PROPER TORQUE.

THROTTLE SENSOR ASSY. - AFTER INSTALLING CHECK FOR SMOOTH OPERATION OF THROTTLE LEVER, AND ACTUATION OF SENSOR.

FILTER SCREEN REPLACEMENT

TO INSTALL NEW FILTER PLACE FILTER IN END OF INSTALLATION TOOL AND CAREFULLY PLACE IN HOUSING AND THEN LIGHTLY TAP ON TOOL TO FIRMLY SEAT FILTER



FILTER INSTALLATION TOOL

SCREW TORQUE SPECIFICATION

SCREW REF. NO.	N*M	LBS.INCHS
10	12.0-14.0	105.0-125.0
4	2.5-3.0	22.0-26.5
14	3.0-4.5	26.0-39.0
20	1.2-1.8	10.6-15.9
16 & 17	---	---