

INSTRUCTION SHEET

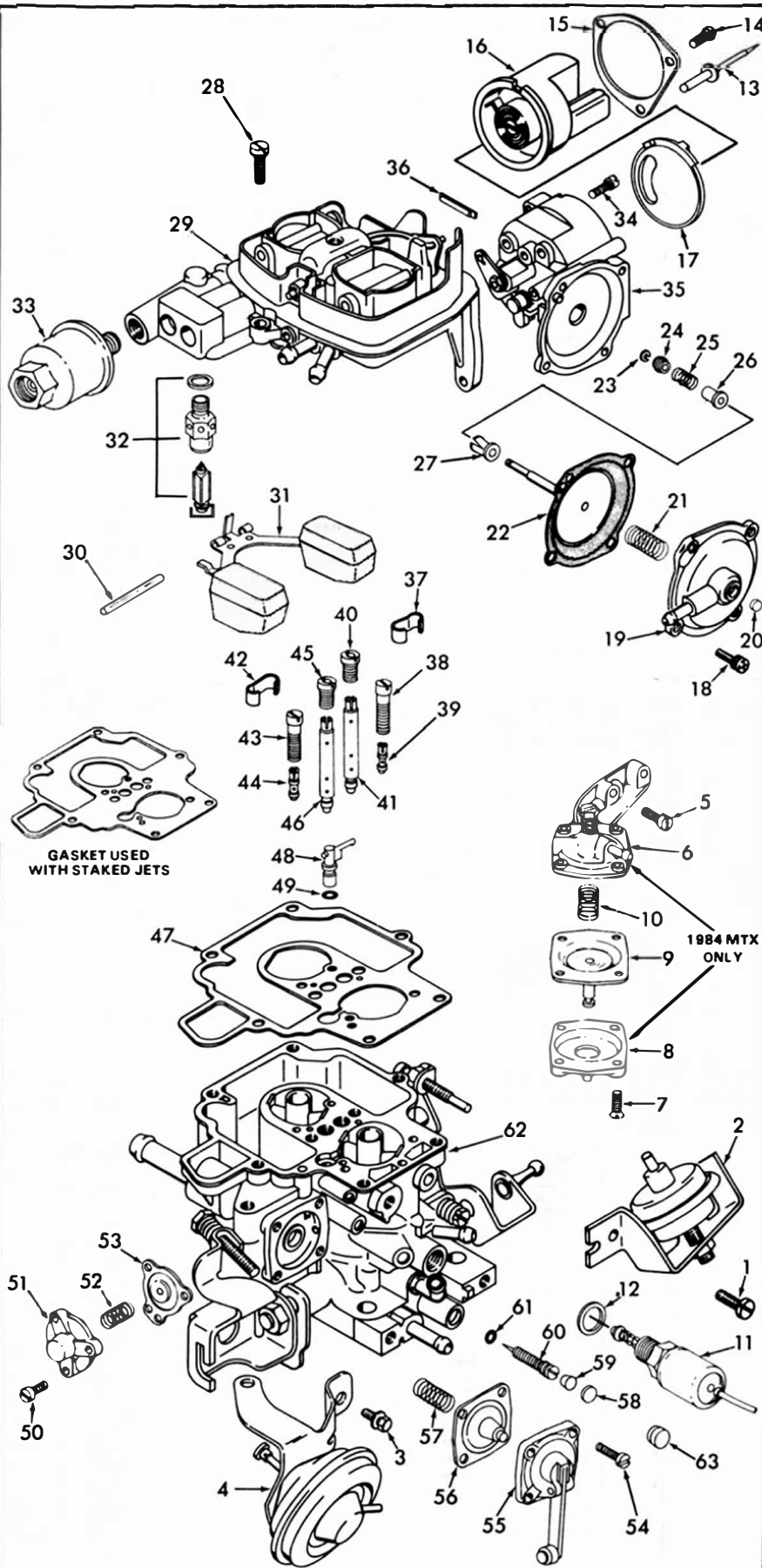
OFF VEHICLE CARBURETOR SERVICE

MOTORCRAFT - MODEL 740

50-674-2

GENERAL EXPLODED VIEW

THE GENERAL DESIGN AND PARTS SHOWN WILL VARY TO
INDIVIDUAL UNIT & O BASED ON THIS INSTRUCTION SHEET



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. TO REMOVE CHOKE PULLDOWN DIAPHRAGM ASSEMBLY (22) CAREFULLY PLY PLASTIC GUIDE BUSHING (27) FROM CHOKE HOUSING. IT HAS A SNAP FIT. POWER VALVE BALL CHECK ASSEMBLY IS NOT REMOVABLE. IDLE JETS (39), (44) AND HOLDERS (38), (43), MAIN AIR BLEEDS (40), (46) AND WELL TUBES (41), (48) ARE A PRESS FIT. ASSEMBLIES CAN BE DISASSEMBLED AND REASSEMBLED BY HAND. NOTE SIZES AND LOCATION OF JETS AND MAIN WELL TUBES FOR PROPER REASSEMBLY. (RECORD SIZES BELOW).

WHEN POP RIVETS ARE USED ON CHOKE COVER RETAINER, DRILL RIVET HEAD JUST ENOUGH TO COME LOOSE FROM RIVET BODY. USING A SMALL PUNCH, DRIVE REMAINING RIVET OUT OF HOLE.

TAMPER PROOF PLUGS (20), (58), (59) CAN BE CENTER PUNCHED. A SMALL HOLE DRILLED IN PLUG USING AN EASY OUT, PULL PLUG FROM HOLE.

IDLE MIXTURE ADJUSTMENT NEEDLE (60) - BEFORE REMOVING IDLE ADJUSTING NEEDLE, TURN IN COUNTING THE NUMBER OF TURNS IT TAKES TO LIGHTLY SEAT THE NEEDLE. RECORD FOR ASSEMBLY.

NOMENCLATURE

REF. NO.	REF. NO.
1 SCREW & LOCKWASHER-DASHPOT	30 PIN-FLOAT
2 DASHPOT-IF EQUIPPED	31 FLOAT & LEVER ASSY.
3 SCREW & WASHER (3)-IDLE SPEED CONTROL	32 NEEDLE, SEAT & GASKET ASSY
4 IDLE SPEED CONTROL-IF EQUIPPED	33 FILTER-FUEL INLET
5 SCREW & LOCKWASHER	34 SCREW & WASHER (3)-CHOKE HOUSING ASSY
6 THROTTLE KICKER ASSY - (IF EQUIPPED)	35 CHOKE HOUSING ASSEMBLY
7 SCREW (4)-COVER	36 PLUG-CHOKE ROD SEAL
8 COVER-DIAPHRAGM	37 CLIP-IDLE JET RETAINER
9 DIAPHRAGM ASSY-THROTTLE KICKER	38 HOLDER-SECONDARY IDLE JET
10 SPRING-DIAPHRAGM	39 JET-SECONDARY IDLE
11 SOLENOID-IDLE SHUT OFF	40 JET-SECONDARY AIR BLEED
12 GASKET-SOLENOID	41 TUBE-SECONDARY MAIN WELL
13 RIVET (2)-CHOKE COVER RETAINER	42 CLIP-IDLE JET RETAINER
14 SCREW-CHOKE COVER RETAINER	43 HOLDER-PRIMARY IDLE JET
15 RETAINER RING-CHOKE COVER	44 JET-PRIMARY IDLE
16 ELECTRIC CHOKE COVER ASSY	45 JET-PRIMARY AIR BLEED
17 SPACER-CHOKE THERMOSTAT INDEX	46 TUBE-PRIMARY MAIN WELL
18 SCREW (4)-COVER	47 GASKET-BOWL COVER
19 COVER-DIAPHRAGM	48 NOZZLE ASSY-PUMP DISC
20 PLUG (PLASTIC)-ADJ SCREW	49 O-RING-PUMP NOZZLE
21 SPRING-DIAPHRAGM	50 SCREW (3)-COVER
22 DIAPHRAGM ASSY-CHOKE PULL DOWN	51 COVER-POWER VALVE
23 E-CLIP-RETAINER	52 SPRING-POWER VALVE DIAPHRAGM
24 RETAINER-MODULATOR SPRING	53 DIAPHRAGM ASSY-POWER VALVE
25 SPRING-MODULATOR	54 SCREW (4)-COVER
26 COLLAR-MODULATOR SPRING	55 COVER-PUMP DIAPHRAGM
27 BUSHING-GUIDE	56 DIAPHRAGM ASSY-PUMP
28 SCREW & LOCKWASHER (6)-BOWL COVER	57 SPRING-DIAPHRAGM
29 BOWL COVER ASSY	58 PLUG-IDLE NEEDLE
	59 PLUG (PLASTIC)-DO NOT REPLACE
	60 NEEDLE-IDLE MIXTURE
	61 O-RING-IDLE NEEDLE
	62 MAIN BODY ASSEMBLY
	63 IDLE MIXTURE SCREW REPLACEMENT PLUG

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. CAUTION DO NOT EXTEND CLEANING PERIOD OF PARTS WITH ATTACHED PLASTIC COMPONENTS. USE A CARBURETOR CLEANING SOLVENT. MAKE CERTAIN THE THROTTLE BODY IS FREE OF ALL CARBON DEPOSITS. WASH OFF IN SUITABLE SOLVENT. BLOW OUT ALL PASSAGES IN CASTINGS WITH COMPRESSED AIR AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS. CAUTION: DO NOT SOAK FLOAT, ELECTRIC CHOKE COVER, DIAPHRAGM ASSEMBLIES, DASHPOT ASSEMBLY, SOLENOIDS OR PARTS WITH RUBBER MATERIAL IN CLEANING SOLVENTS.

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS AND ADJUSTMENTS.

SPECIAL INSTRUCTIONS

IDLE ADJUSTING NEEDLE (60)-TURN NEEDLE IN UNTIL LIGHTLY SEATED THEN BACK OUT NUMBER OF TURNS RECORDED ON DISASSEMBLY.

ELECTRIC CHOKE COVER ASSY (16)-WHEN INSTALLING BE SURE TO INSTALL BI-METAL SPRING HOOK IN SLOT OF LEVER (NONADJUSTABLE).

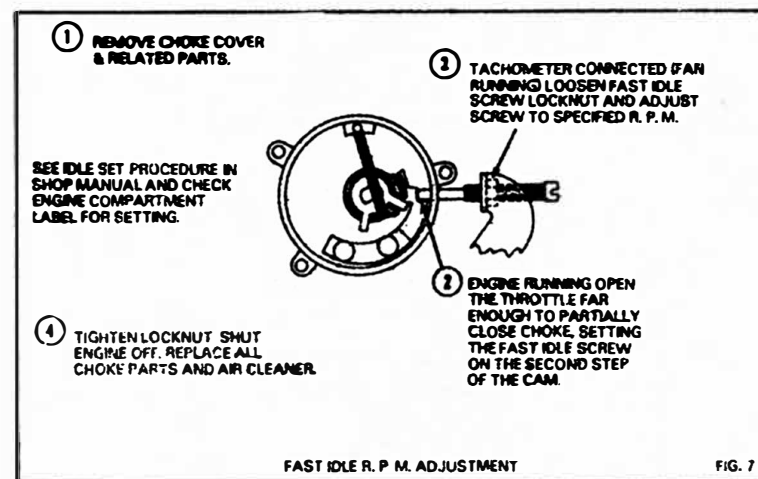
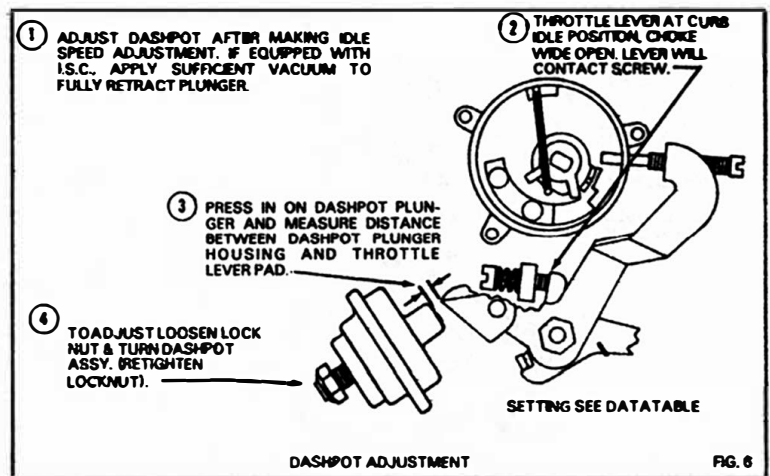
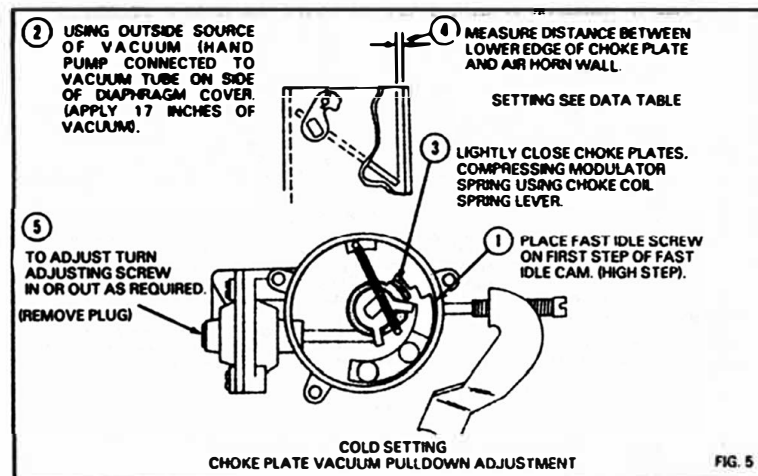
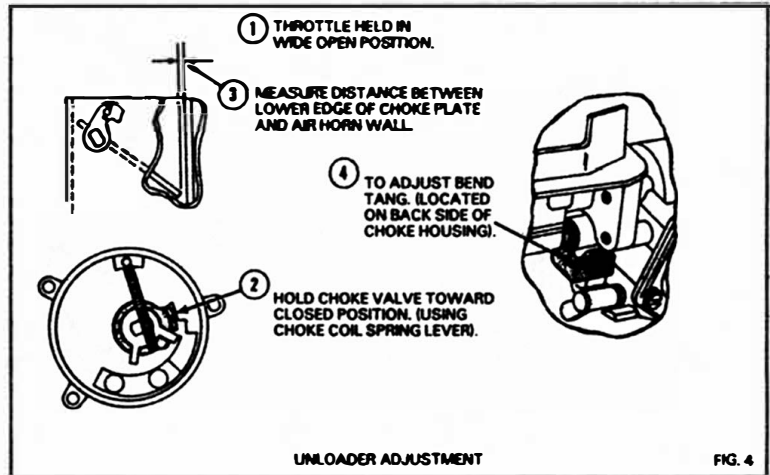
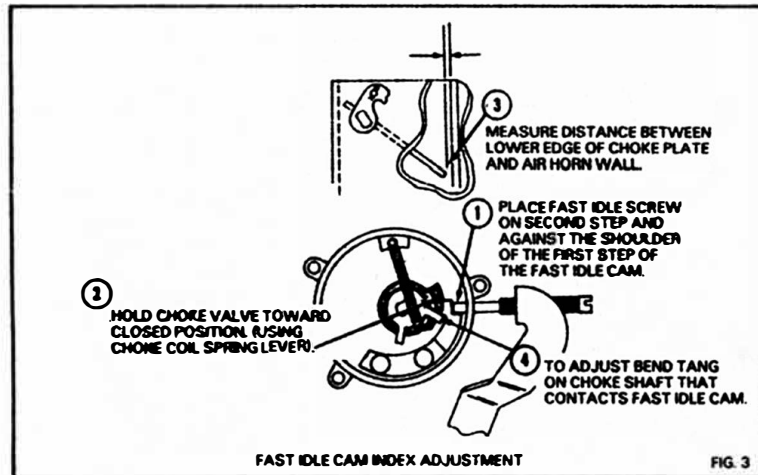
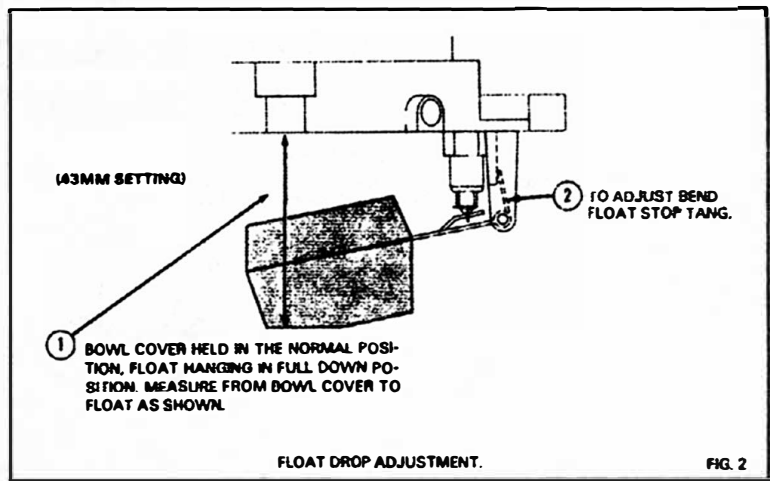
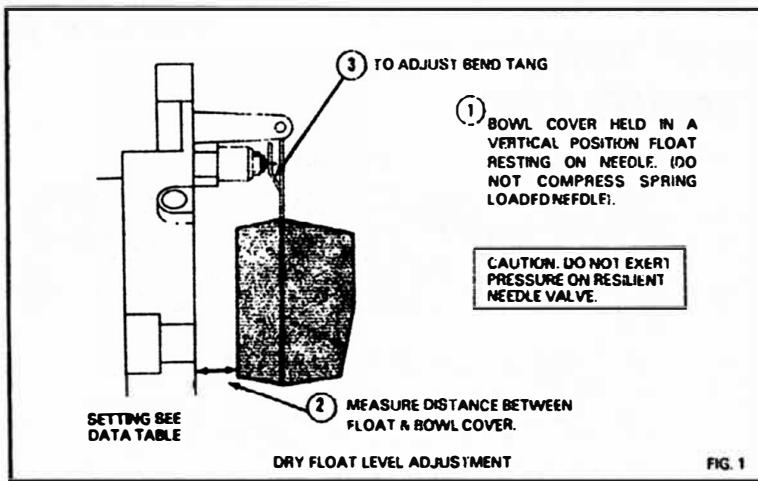
TORQUE SPECIFICATIONS

REF NO	DESCRIPTION	N"MM	LB.-INCH
54	SCREWS-PUMP DIAPHRAGM COVER	18	15.9
50	SCREWS-POWER VALVE COVER	12	10.6
40, 45	MAIN JET & TUBE ASSEMBLY	18	16.0
39, 44	IDLE JET & HOLDER ASSEMBLY	18	16.0
34	SCREWS-CHOKE HOUSING	56	50.0
33	FUEL FILTER	113	100.0
32	FUEL INLET NEEDLE SEAT	60	53.1
28	SCREWS-BOWL COVER	24	21.2
18	SCREWS-CHOKE DIAPHRAGM COVER	12	10.6
14	SCREW-CHOKE RETAINER	10	8.9
11	IDLE SHUT OFF SOLENOID	45	39.8
7	SCREWS-THROTTLE KICKER COVER	12	10.6
5	SCREWS-THROTTLE KICKER ASSEMBLY	24	21.0
3	SCREWS-IDLE SPEED CONTROL ASSEMBLY	12.0	108.0
2	NUT-DASHPOT ADJUSTING	60	53.1
1	SCREW-DASHPOT BRACKET	24	21.2
--	FAST IDLE ADJUSTING NUTS	20	17.7
--	CARBURETOR HOLD DOWN NUTS	16-20	12-15 LB.-FT.

NOTICE

INFORMATION AND SPECIFICATIONS CONTAINED HEREIN ARE BASED ON LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF PUBLICATION. THE RIGHT IS RESERVED TO MAKE CHANGES AT ANY TIME WITHOUT NOTICE. PLEASE REFER TO ENGINE DECAL, SERVICE SPECIFICATIONS AND TECHNICAL BULLETINS FOR REVISIONS TO THIS INFORMATION.

ADJUSTMENT

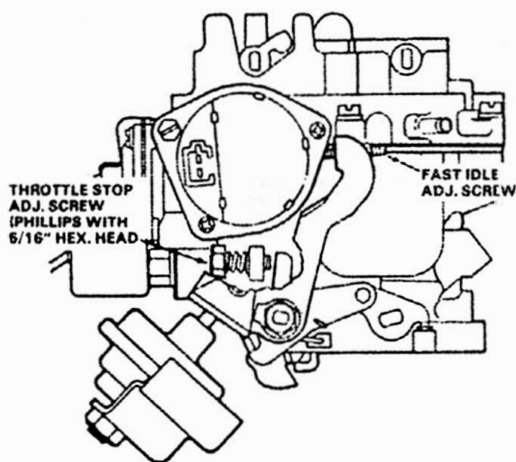


1994 & 1995 DATA TABLE
MOTORCRAFT CARBURETOR - MODEL 740

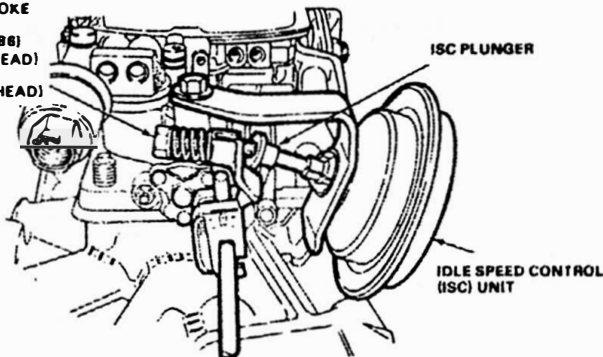
CARB. NO. (TAG)	DRY FLOAT LEVEL	FAST IDLE CAM INDEX	UNLOADER ADJ.	CHOKE PULLDOWN	DASHPOT SETTING
E4EE-YA	7.5MM	2.5MM	3.5MM	3.5MM	2.5MM
E4EE-AAA	7.5MM	2.5MM	3.5MM	3.5MM	2.5MM
E4EE-ABA	7.5MM	2.5MM	3.5MM	3.5MM	2.5MM
E4EE-ACA	7.5MM	2.5MM	3.5MM	3.5MM	2.5MM
E4EE-ADA	7.5MM	2.5MM	3.5MM	3.5MM	2.5MM
E4GE-KA	7.5MM	3.5MM	3.5MM	4.5MM	4.0MM
E4GE-LA	7.5MM	4.5MM	3.5MM	4.5MM	4.0MM
E4GE-MA	7.5MM	3.5MM	3.5MM	4.5MM	4.0MM
E4GE-RA	7.5MM	2.5MM	3.5MM	3.5MM	NONE
E4GE-SA	7.5MM	3.0MM	3.5MM	4.0MM	4.0MM
E4GE-TA	7.5MM	3.25MM	3.5MM	4.25MM	NONE
E4GE-UA	7.5MM	2.5MM	3.5MM	3.5MM	NONE
E4GE-ZA	7.5MM	2.7MM	3.5MM	3.7MM	NONE
E4GE-AAA	7.5MM	2.7MM	3.5MM	3.7MM	NONE

1996 DATA TABLE

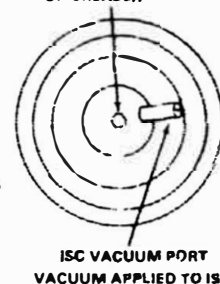
CARB. NO. (TAG)	DRY FLOAT LEVEL	FAST IDLE CAM INDEX	UNLOADER ADJ.	CHOKE PULLDOWN	DASHPOT SETTING
E5GE-AEC	7.5MM	2.0MM	3.5MM	3.0MM	2.0MM
E5GE-AFA	7.5MM	2.0MM	3.5MM	3.0MM	2.0MM
E5GE-ADA	7.5MM	1.5MM	3.5MM	3.5MM	1.5MM
E5GE-AAA	7.5MM	1.5MM	3.5MM	3.5MM	1.5MM
E5GE-ACA	7.5MM	1.5MM	3.5MM	3.5MM	1.5MM
E5GE-AFC	7.5MM	2.0MM	3.5MM	3.5MM	1.5MM



ISC ADJ. SCREW
(1984-85)
ISC FULL STROKE
ADJ. SCREW
(1985-1/2-1986)
(5/16" HEX. HEAD)
OR
(1/8" ALLEN HEAD)



(1985-1/2-1986 ONLY)
ISC CURB IDLE
ADJ. SCREW
1/8" ALLEN HEAD
(COVERED BY PLUG
OR GREASE).



IDLE ADJUSTING SCREW LOCATIONS

CURB IDLE ADJUSTMENT/1984-85 1.6L ATX W/ISC ONLY

1. ADJUST CURB IDLE AS PER SERVICE MANUAL AND/OR ENGINE DECAL SPECIFICATIONS
2. DISCONNECT AND PLUG VACUUM HOSE AT THERMACTOR AIR CONTROL VALVE BYPASS SECTION
3. PLACE FAST IDLE SPEED ADJUSTING SCREW ON SECOND STEP OF FAST IDLE CAM, AND RUN ENGINE UNTIL ENGINE ELECTRIC COOLING FAN OPERATES. OPEN THROTTLE SO FAST IDLE CAM CAN DROP. THEN RELEASE THROTTLE.
4. REMOVE AND PLUG ISC VACUUM HOSE. CONNECT A VACUUM PUMP TO ISC AND SUPPLY SUFFICIENT VACUUM TO FULLY RETRACT PLUNGER (OR TURN ISC SCREW UNTIL PLUNGER IS CLEAR OF SCREW).
5. A/T IN DRIVE, ELECTRIC FAN RUNNING AND AIR CLEANER INSTALLED, CHECK R.P.M. TO ADJUST, TURN THROTTLE STOP ADJUSTING SCREW. (ISC PLUNGER RETRACTED.)
6. PLACE A/T IN PARK, REMOVE VACUUM PUMP AND RECONNECT ISC VACUUM LINE.
7. A/T IN DRIVE, ELECTRIC FAN RUNNING, CHECK CURB IDLE R.P.M. TO ADJUST, TURN ISC ADJUSTING SCREW. (ISC PLUNGER EXTENDED.)
8. PLACE TRANSMISSION IN NEUTRAL, REV THE ENGINE AND RECHECK. (RECONNECT THERMACTOR AIR CONTROL VALVE.)

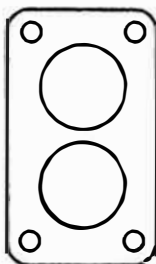
ATX OR MTX MODELS

CURB IDLE ADJUSTMENT/1985 1/2, 1986 1.9L W/ISC ONLY

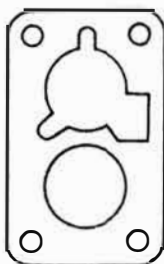
1. ADJUST CURB IDLE AS PER SERVICE MANUAL AND/OR ENGINE DECAL SPECIFICATIONS
2. DISCONNECT AND PLUG VACUUM HOSE AT THERMACTOR AIR CONTROL VALVE BYPASS SECTION.
3. PLACE FAST IDLE SPEED ADJUSTING SCREW ON SECOND STEP OF FAST IDLE CAM, AND RUN ENGINE UNTIL ENGINE ELECTRIC COOLING FAN OPERATES. OPEN THROTTLE SO FAST IDLE CAM CAN DROP. THEN RELEASE THROTTLE
4. PLACE TRANSMISSION IN PARK OR NEUTRAL. DEACTIVATE THE ISC BY REMOVING VACUUM HOSE AND PLUGGING THE HOSE.
5. SET FULL STROKE R.P.M. TO DECAL SPECIFICATION BY ADJUSTING THE FULL STROKE SPEED SCREW
6. CONNECT A VACUUM PUMP TO ISC AND SUPPLY SUFFICIENT VACUUM TO FULLY RETRACT PLUNGER.
7. PLACE ATX IN DRIVE, MTX IN NEUTRAL, FAN RUNNING, SET THROTTLE STOP R.P.M. BY ADJUSTING THROTTLE STOP SCREW.
NOTE: AT THIS POINT, SET AND ADJUST THE DASHPOT.
8. REMOVE VACUUM PUMP FROM ISC AND RECONNECT VACUUM LINE.
9. PLACE ATX IN DRIVE, MTX IN NEUTRAL, FAN RUNNING, CHECK CURB IDLE R.P.M. TO DECAL SPECIFICATION. TO ADJUST, TURN CURB IDLE ADJUSTING SCREW. (USE 1/8" ALLEN WRENCH).
NOTE: REMOVE PLUG FROM BACK OF UNIT COVERING SCREW, REPLACE PLUG
10. PLACE TRANSMISSION IN NEUTRAL, REV THE ENGINE AND RECHECK (RECONNECT THERMACTOR AIR CONTROL VALVE).

PHENOLIC SPACER SERVICE

REMOVE PHENOLIC SPACER. INSPECT GASKET SURFACES. IF GASKET MATERIAL IS TORN, SCRAPE OFF OLD MATERIAL AND INSTALL NEW GASKET.

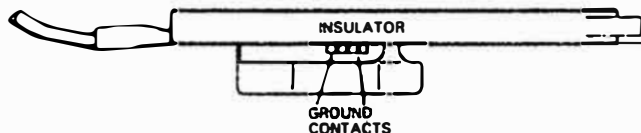


TOPSIDE



BOTTOM SIDE

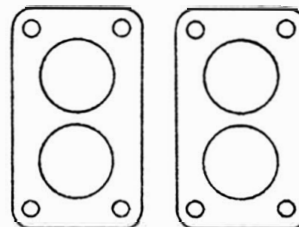
IF GASKET MATERIAL HAS NOT BEEN DAMAGED, USE SPACER AS IS. (CHECK TO BE SURE GROUND CONTACTS ON LOWER SIDE OF HEATER INSULATOR PROTRUDE FAR ENOUGH BELOW GASKET TO MAKE A GOOD GROUND WHEN INSTALLED.)



PHENOLIC SPACER SERVICE

REMOVE PHENOLIC SPACER. INSPECT GASKET SURFACES. IF GASKET MATERIAL IS TORN SCRAPE OFF OLD MATERIAL AND INSTALL NEW GASKET.

IF GASKET MATERIAL HAS NOT BEEN DAMAGED USE SPACER AS IS.



TOP AND BOTTOM
1986 1.9L Engine