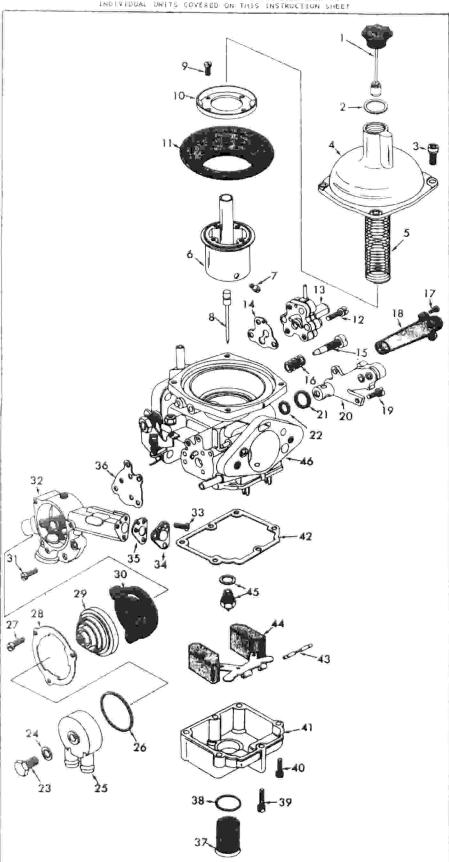
INSTRUCTION SHEET STROMBERG CARBURETOR - MODEL CD

WITH AUTOMATIC CHOKE

REF.

GENERAL EXPLODED VIEW

THE GENERAL DESIGN AND PARTS SHOWN WILL VARY TO INDIVIDUAL UNITS COVERED ON THIS INSTRUCTION SHEET



DISASSEMBLY

USASSEMBLI

USE EXPLODED VIEW AS A GUIDE, ALWAYS DESASSEMBLE
CARBURETORS INDIVIDUALLY AS PARIS SHOULD NUT DE
INTERCHANGED. THE NUMERICAL SEQUENCE MAY DEFORAULT
BE FOLLOWED TO DISASSEMBLE UNIT FAR ENQUENTO PERRIT
CLEANING AND ENSPECTION. CAUTION, SUCTION LHAMBER
AND PISTON ASST, ARE PRECISION MADE AND MUST NOT BE
IREATED ROUGHLY, DO NOT REMOYE PHILLIPS HEAD SURENS
THAT HOLD INROTTLE BY PASS VALVE TOGETHER. REMOYE
SLOTTED ONES UNLY TO REMOYE UNDIT TO REMOYE ET
METAL STRIP FROM (EMPERATURE CUMPINSATER FALS)
(FACTORY AUJ.)

NUMENCLATURE

NO:		NU.	
1.	DAMPER PISTON ASSY.	77.	SEAL LINNER
2.	GASKET- DAMPER ASSY.	16.34.1	COMPENSATING VALUE
3.	SCREW & LOCKWASHER (04)-	2.3	SOLT- CHUKE WATER LUNER
	SUCTION CHAMBER	24.	GASKET- BOLT
4 T	CHAMBER - SUCTION		COVER- UNONE WRITER MSG
5.	SPRING - ALR VALVE RETURN		GASLET COVER
	AIR VALVE ASSY.		SCREW & LOCKWASHER (11-
2 :	SCREW- METERING NEEDLE	±.4 1	CHOKE COIL RETAINER
	LOCK	28.	RETAINER - CHOKE COLL
8 .	NEEDLE - METERING		CHOKE COLL ASSY.
g ,	SCREW (4)- DIAPHRACH		INSULATOR SHADER - ENUME
	RETAINER		SCREW (SJ- VACUUM Rustus
10.	RETAINER- DIAPHRAGE		COVER
	DIAPHRAGM- AIR VALVE	37.	BOUSTNO ASST - DRUME
12 .	SCREW & LOCKWASHER (1)-		SCREW 10- VACUUM PILIFER
	THROTTLE BY PASS VALVE		LUYER
13::	BY PASS VALVE - THROTTLE	34.	COVER- VACUUM PISING
	GASKET- BY PASS VALVE	35.	GASKET- COVER
15.	MEEDLE - IDLE TRIMMING		GASKETH EHOKE HOW REST
_	ADJUSTING	37.	PLUG- FLOAT CHAMBER
	SPRING- ADJUSTING	3.8	U-RING- PIUG.
	NEEDLE	59.	SCREW 4: LOGAWASHER (40-
17.	SCREW (2)- COMPENSATING		FLOAT CMAMBER
	VALVE COVER	4 Û	SCREW & LUCKWASHER (I.J.
18.	COVER- COMPENSATING		FLUAT CHAMBER
	VALVE	461	FLOAT I MARKER
19.	SCREW & LOCKWASHER (C2)=	42.	GASKET- FLUAT LITAMBER
	COMPENSATING VALVE		PIN- FLUAT MINGE
20.	VALVE ASSY		FLOAT & HENGE ASST.
	COMPENSATING	46.	NITEDLE, SEAT AND
21.	SEAL (OUTER) - COMPENSATING	-	GASKET ASSY
	VALVE	4E.	MATIN BOOT ASSY

CLEANING

CLEANING
CLEANING MUST BE DONE WITH CARBURETOR COMPLETEL:
DISASSEMBLED. USE A CARBURETOR CLEANING SOLVENT.
SGAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL
FOREIGN MATERAIL. DO NOT PROLONG SOAKING: IN
CARBURETOR CLEANER BECAUSE OF RUBBER SEALS THAT ARE
NOT REMOVED. MAKE CERTAIN THE THROTTLE BORE IS FREE
OF ALL CARBON AND VARNISH DEPOSITS. RIMSE OFF IN
SUITABLE SOLVENT. BLON OUT ALL PASSAGES, IN: CASTINGS
WITH COMPRESSES AIR AND CHECK CAREFULLY TO INSURE
THOROUGH CLEANING OF OBSCURE AREAS. DO NOT SOAK PARTIL
CONTAINING DIAPHRAGM, RUBBER OR PLASTIC MATERIALS,
SUCH AS (11)(1)(70)(44)

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS AND FOLLOW NUMERICAL DUTLINE IN MAKING ADJUSTMENTS:

SPECIAL INSTRUCTIONS

LIGHTLY LUBRICATE D-RING'S BEFORE ASSEMBLING.

IDLE TRIMMING SCREW (15) - TURN IN UNTIL LIBELLY SEATED ONLY USED WHEN FINE TOLE ADJUSTMENT IS MADE WITH ID METER.

DIAPHRAGH MOUNTING (11)- BE SURE LOCATING LIP ENCAGES CORRESPONDING RECESS IN PISTON AND INNER EDGE FILS EASILY INTO MATCHING GROOVE OF PISTON. CAREFUL MIT TO TWIST OIRPHRAGH WHEN TIGHTENING SCREWS. WHEN INSTALLING COMPLETE ASSY. IN MAIN BODY BE SURE THAT JUTER LUCATING LIP OF DIAPHRAGM ENGAGES MATCHING RECESS IN HOUSING.

PISTON ASSY. (6)- LUBRICATE PISTON ROD LIGHTLY BEFORE INSTALLING. (LUBRICATE NO OTHER PART OF FISTON.)

INSTRUCTION SHEET (ZENITH) STROMBERG CARBURETOR — MODEL CD. CDSE

GENERAL EXPLODED VIEW

THE GENERAL DESIGN AND PARTS SHOWN WILL VARY TO INDIVIDUAL UNITS COVERED ON THIS INSTRUCTION SHEET

EARLY CD MODELS -32 33

DISASSEMBLY

USE EXPLODED VIEW AS A GUIDE. ALWAYS DISASSEMBLE CARBURETORS INDIVIDUALLY AS PARTS SHOULD NOT BE INTERCHANGED. THE NUMERICAL SEQUENCE MAY GENERALLY BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGHT TO PERMIT CLEANING AND INSPECTION. CAUTION: SUCTION CHARBER AND PISTON ASSY. ARE PRECISION MADE AND MUST NOT BE TREATED ROUGHLY, DO NOT REMOYE PHILIPS HEAD SCREWS THAT HOLD IMPORTILE BY PASS VALVE TOGETHER. REMOYE SLOTTED ONES ONLY TO REMOYE UNIT, DD NOT REMOYE BI METAL STRIP FROM TEMPERATURE COMPENSATOR VALVE. (FACTORY ADJ.,)

NOMENCLATURE

REF.	REF.
NO.	NO.
1. DAMPER PISTON ASSY.	29. SEAL (INNERD - COMPENSATIN
 GASKET - DAMPER ASSY. 	YALVE
3. SCREW & LOCKWASHER (4)	15. SCREW & LOCKWASHER (2) -
SUCTION CHAMBER	STARTING VALVE
4. CHAMBER - SUCTION	26. VALVE ASSY STARTING
5. SPRING - AIR VALVE RETURN	27. JET COVER
6. AIR VALVE ASSY.	28. OHRING - JET COVER
7. SCREW - METERING NEEDLE LOCK	29. SCREW & LOCKWASHER (2) -
8. NEEDLE - METERING	FLOAT CHAMBER
9. SCREW (4) - DIAPHRAGM RETAINER	30. SCREW & LOCKWASHER (4) -
10. RETAINER - DIAPHRAGM	FLOAT CHAMBER
11. RETAINER RING - DIAPHRAGM	31. FLOAT CHAMBER
12. DIAPHRAGH - AIR VALVE	32. GASKET - FLOAT CHAMBER
13. SCREW & LOCKWASHER (SLOTTED) -	33. PIN - FLOAT HINGE
THROTTLE BY PASS VALVE	34. FLOAT & HINGE ASST.
IL SCREW & LOCKWASHER (2) SLOTTED	35. NEEDLE, SEAT & GASKET ASS
THROTTLE BY PASS VALVE	36. SCREEN - FUEL FILTER
15. BY PASS VALVE - THROTTLE	37. MAIN BODY ASSY:
16. GASKET - BY PASS VALVE	EARLY OD MODEUS
17. NEEDLE - IDLE TRIMMING	
ADJUSTING	L. SCREW - ADJUSTING DRIFTEE
18. SPRING - ADJUSTING NEEDLE	7. O-RING - ADJUSTING SCREW
19. SCREW (2) - COMPENSATING VALVE	3. BUSHING RETAINING STREW
COVER	4. D-RING - BUSHING SCREW
20. COVER - COMPENSATING VALVE	5. JET = OR IFICE
21. SCREW & LOCKWASHER (2) -	6. SPRING - JET ORIFICE
COMPENSATING VALVE	7. WASHER - O-RING
22. VALVE ASSY, - COMPENSATING	 O-RING = JET SEAL
23. SEAL (OUTER) - COMPENSATING	3. BUSHING - JET ORIFICE
VALVE	10. WASHER - BUSHING

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR COMPLETELY DISASSEMBLED. USE A CARBURETOR CLEANING SOLVENT, SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. DO NOT PROLONG SOAKING IN CARBURETOR CLEANER BEGAUSE OF RUBBER SEALS, THAT ARE NOT REMOVED MAKE CERTAIN THE THROTTLE BORE IS FREE OF ALL CARBON AND VARKISH DEPOSITS, RINSE OFF IN SUITABLE SOLVENT, BLOW OUT ALL PASSAGES IN CASTINGS WITH COMPRESSED AIR AND CHECK CAREFULT TO INSURE THOROUGH CLEANING OF OBSCURE AREAS. DO NOT SOAK PARTS CONTAINING DIAPHRAGM, RUBBER OR PLASTIC MATERIALS, SUCH AS: (12)(15)(22)(34).

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY, NOTE SPECIAL INSTRUCTIONS AND FOLLOW NUMERICAL OUTLINE IN MAKING ADJUSTMENTS.

SPECIAL INSTRUCTIONS

LIGHTLY LUBRICATE O-RING BEFORE ASSEMBLING.

IDLE TRIMMING SCREW (17) - TURN IN UNTIL LIGHTLY SEATED. ONLY USED WHEN FINE IDLE ADJUSTMENT IS MADE WITH CO METER.

DIAPHRACH MOUNTING (12) - BE SURE LOCATING LIP ENGAGES.
CORRESPONDING RECESS IN PISTON AND INNER EDGE FITS EASILY INTO MATCHING GROUPE OF PISTON. CAREFUL NOT TO TWIST DIAPHRACH WHEN TIGHTENING SCREWS. WHEN INSTALLING COMPLETE ASSY, IN MAIN BODY BE SURE THAT OUTER LOCATING LIP OF DIAPHRAGM ENGAGES MATCHING RECESS IN HOUSING.

PISTON ASSY. (6) - LUBRICATE PISTON ROD LIGHTLY BEFORE INSTALLING. (LUBRICATE NO OTHER PART OF PISTON.)

CHOKE LIMITING SPINDLE ADJUSTMENT - WINTER SETTING, STOP CRUSS PIN IN HORIZONTAL SLOT IN CASTING. SUMMER SETTING, DEPRESS, SPRING LOADED PIN AND TURN 90°.

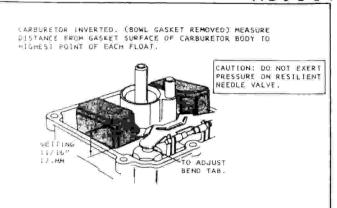
CD MODELS WITH MIXTURE ADJUSTING SCREW

AIR VALVE SETTING ON BRIDGE OF THROTTLE BORE. TURN MIXTURE SCREW

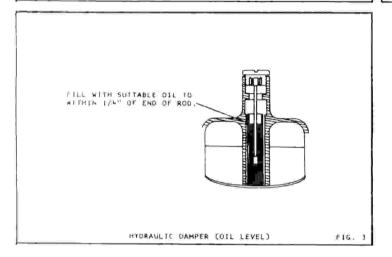
(1) IN UNTIL IT JUST TOUCHES AIR VALVE, THEN BACK OUT 3 TURNS.
(BASIC SETTING). WHEN EMGINE IS STARTED AND REACHES OPERATING TEMPERATURE. ADJUST TOLE STOP SCREW TO 600-650 R.P.M. CHECK.
MIXTURE BY USING A SCREWDRIVER TO RAISE AIR VALVE SLIGHTLY. IF ENGINE R.P.M. INCREASES MIXTURE IS TO RICH. IF IT STOPS, IT IS TO LEAN, ENGINE R.P.M. SHOULD REMAIN THE SAME OR FALL SLIGHTLY ON LIFTING AIR VALVE. TO ADJUST TURN MIXTURE SCREW, CLOCKWISE IS LEANER AND COUNTERCLOCKWISE IS RICHER.

ADJUSTMENTS

FIG. I



INSTAUL NEEDLE WITH FLAT SIDE OF BUSHING FACING SET SCREW ALIGN SHOULDER OR PLASTIC WASHER OF ALE WALVE AND TIGHTEN SET SCREW. (DO NOT OVERTIGHTEN)



DRY FLOAT LEVEL ADJUSTMENT