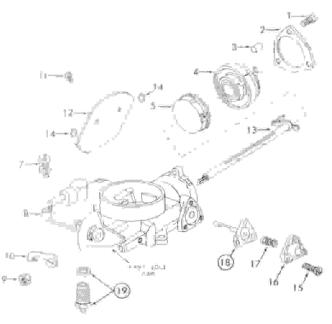
INSTRUCTION SHEET

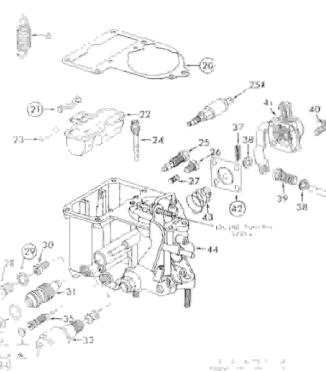
SOLEX CARBURETOR -MODELS 30 PICT-2,-3, 34 PICT-3

1968 TO 1974 TYPE 1, 1968 TO 1971 TYPE 2

GENERAL EXPLODED VIEW

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





REMOVING

REMOVING .

REMOVI REMOVE TWO NUTS ON INTAKE MANIFOLD AND TAKE OFF CARBURETOR

DISASSEMBLY

DISASSEMBLY
USE EXPLODED VIEW AS A GUIDE, THE NUMBERICAL SEQUENCE MAY GENERALLY BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGH TO PERMIT CLEANING AND INSPECTION. CAUTION: BRASS TUBE TYPE JET'S ARE NOT REMOVABLE BEFORE REMOVING CHOKE VALVE SCREWS (11) FILE OFF PEENED END FOR EASY REMOVAL MARK LINKAGE RODS AND LEYERS SO THEY CAN BE RETURNED TO THE SAME POSITIONS

NONWENCLATUR

REF
NO
23-BIN-FLOATLEVER
24-JET - AR CORRECTION
24-JET - AR CORRECTION
25-JET - AND IDLE SPEED FUEL
25-JET - AND FUEL SPEED FUEL
27-JET - AURILIARY FUEL
28-PLUG MAIN JET
29-GASKET - FULG
30-JET - AURILIARY FUEL
28-PLUG MAIN JET
30-JET - AURILIARY FUEL
28-PLUG
30-JET - AURILIARY FUEL
28-PLUG
30-JET - AURILIARY FUEL
39-JET - AURILIARY FUEL
39 REF
NO.

1 SCREW 1311, RETAINING RING
2. RETAINING RING
3 SPACER BUSH-RETAINING RING
4. COVER 40TH SPRING AND HEATER ELEMENT. PLASTIC CAP. SPRING - THROTTLE RETURN 8 BPRING - THROTTLE RETURN
7 SCREWALKWISHRI(5)-LIPPER BODY
9 NUT CHOKE SHAFT
10 OPERATING LEVER - FAST (DLE
11 SCREW (2)-CHOKE VALVE
12 SALAFT - CHOKE
13 SHAFT - CHOKE
13 SHAFT - CHOKE
14 SPAGER WASHER (2) - CHOKE VALVE
15 SCREW (3)-COVE R
16 COVER VACULUM CHAPHRAGM
17 SPRING VALUUM CHAPHRAGM
17 SPRING VACULUM CHAPHRAGM
18 NEEDLE - SBAT & GASKET ASSY
10 DASKET - CASHURET OR BODY
21 LIUG-FLOAT PIN
22 FLOAT 39. SHRING- DURNECTON BOD 40. SCREW (4)-COVER 41. COVER-WITH LEVER&PIN (4) DURPHRAGM PUMP 43. SPRING-DURPHRAGM 44. DARBURETOR MAIN BOD® ASS®

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENDUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. USE A CARBURETOR CLEANING SOLVENT, MAKE CERTAIN THE THROTTLE BODY IS FREE OF ALL HARD, CARBON DEPOSITS. WASH OFF IN SUITABLE SOLVENT, BLOW OUT ALL PASSAGES IN CAST INGS. WITH COMPRESSED AIR AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS CAUTION DO NOT SOAK SOLENOIDS, SWITCHES, FLOAT, OR RUBBER PARTS IN SOLVENTS.

REASSEMBLY
USING ESSENTIALLY THE REMERSE OFFICER OF DISASSEMBLY COVING SPECIAL ATTENTION TO THE FOLLOWING SPECIAL INSTRUCTIONS.

SPECIAL INSTRUCTIONS

MAKE BURE ALL JET GRIFICES ARE GLEAN AND OPEN. CLEAN WITH COMPRESSED AIR OR NOT USE WIRES TO CHECK FOR CLOGGED ORIFICES.
WIRES TO CHECK FOR CLOGGED ORIFICES.
WHEN INSTALLING THE PUMP DIAPHRASM AND SPRING (43) MAKE SURE THE LARGER END OF SPRING IS PROPERLY SEATED IN THE CARBURETOR BODY CAVITY BE SURE TO INSTALL THE DIAPHRASM IND?
WITH PLUNGER TOWARD PUMP COVER (41)
CHECK FOR A WORN SPOT (DEPRESSION) ON THE FLOAT LEVER WHENE IT MAKES CONTACT WITH THE FUEL WILL RECEIL YALVE REPLACE FLOAT ASSEMBLY, IF NECESSARY FLOAT ASSEMBLY, MAY SE PURCHASED AT LOCAL WAS DEALER PIN 115 129-391 RECTANGULAR SHAPED FLOAT (22).
PROPER NECEDLE SEAT GASKET MUST BE USED FOR SPECIFIC CARBURETOR USE THE BOLLOWING CHART TO DETERMINE THE CORRECT GASKET

CARBURETOR MODEL

30 PICT-2 T.0 MM 30 PICT-3 1 5 MM 34 PICT-3 0.5 MM 040° COMBINE 1 0 AND 0.5 MM GASKETS

CHECK THE THERMOSTATIC SPRING IN HOUSING (ITEM #4) FOR DAMAGE. IF IT IS DISTORTED OR "KINKED", REPLACE THE ASSEMBLY ALBO, MAKE SURE THE ELECTRICAL HEATING ELEMENT IS NOT

BROKEN THIS CAN BE CHECKED WITH AN OHMMETER OR CONNECTED TO A CORRECT VOLTAGE BATTERY FOR A FINE CAN BE CHECKED WITH AN OTHMMETER OR GUNNECTED TO A CHRISTIPE TO WILLIAGE BAT LEFT TOK.

FEW MINIOTES TO REE IF IT WARMS UP, GE SUBE TO GROUND THE INSIDE METER PART OF THE

HOUSING IN ORDER TO COMPLETE THE CIRCUIT TWHEN INSTALLING ASSEMBLY WITH SPRING AND

HEATER BLEMENT, CAREFULLY ROTATE ASSEMBLY COUNTERCLOCKWISE BEING SURE THE HOCK ON

COIL END ENGAGES WITH THE LEFTER ON THONG SHAFT. CONTINUE ROTATING APPROXIMATELY IN
TURN MORE UNTIL INDICES MARKS ALION THEN TIGHTHS SCREWS SECURELY.

INSTALLING INSTALL IN REVERSE ORDER OF REMOVING, TORQUE RETAINING NUTS TO 2 0 MKG, [14 FT LB.)

IDLING ADJUSTMENT

A. CHECK IF THE AUTOMATIC CHOKE IS FULLY OPEN

- A CHECK IF THE AUTOMATIC CHOKE IS FULLY OPEN.

 8 TURN IDUNG CONTROL SCREW (SEE EXPLODED VIEW) OUT UNTIL THERE IS CLEARANCE BETWEEN SCREW AND FAST IDLE CAM.

 C THEN TURN IDLING CONTROL SCREW IN UNTIL IT JUST TOUCHES TEXHE FAST IDLE CAM.

 PRAST IDLE CAM.

 D FROM THIRD POSITION, TURN SCREW IN FURTHER 1/4 OF A TURN.

 D FROM THIRD POSITION, TURN SCREW IN FURTHER 1/4 OF A TURN.

 F RACK 25 TO 2 COMPLETE TURNS.

 F START EXAMPLES OF THE SEED (100 RPM) BY TURNING THE SYPASS SCREW (ITEM 301) IN TURNING VOLUME CONTROL SCREW (ITEM 305, ADJUST TO THE HIGHEST IDLE SPEED THEN TURN IN VIRIL THE RENINES SPEED DROPS BY 20-30 RPM.

 H RESET THE CORRECT IDLE SPEED BY TURNING THE BYPASS SCREW (ITEM 42)!

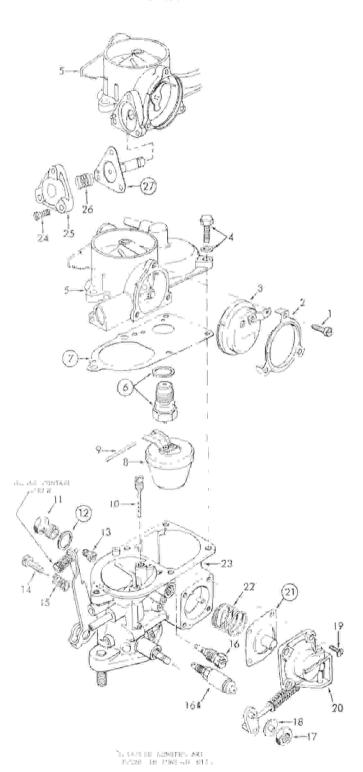
INSTRUCTION SHEET

SOLEX CARBURETOR -MODELS - 28 PICT, -1, -2, 30 PICT -1

1961 TO 1967 TYPE 1, 1961 TO 1967 TYPE 2

GENERAL EXPLODED VIEW

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



REMOVING

REMOVE OIL BATH AIR CLEANER. DETACH FUEL HOSE, VACUUM HOSE OF DASHPOT (WHERE APPLICABLE), AND VACUUM HOSE. DISCONNECT AUTOMATIC CHOKE CARL'E. BYPASS AIR CUT-OFF VALVE CABLE (WHERE APPLICABLE), AND ELECTRO- MAGNETIC PILOT LET CABLE. DETACH ACCELERATOR CABLE AT THROTTLE VALVE LEVER REMOVE TWO NUTS ON INTAKE MANIFOLD AND TAKE OFF CARBURETOR

DISASSEMBLY

USE EXPLODED VIEW AS A GUIDE. THE NUMBERICAL SEQUENCE MAY GENEALLY BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGH TO PERMIT CLEANING AND INSPECTION CAUTION: BRASS TUBE TYPE JETS ARE NOT REMOVABLE WHEN NECESSARY TO REMOVE CHOKE SHAFT, BEFORE REMOVING VACUUM DIAPHRASM (7.7) FILE OFF PERMED END OF CHOKE VALVE SCREWS FOR EASY REMOVAL MARK LINKAGE RODS AND LEVERS SO THEY CAN BE RETURNED TO THE SAME POSITIONS

NOMENCI ATURE

REF. NO 1, SCEW(3) RETAINING RING 15. SPRING - VOLUME CONTROL SCREW 16. JET - PILOT 16A - VALVE - IDLING CUT - OFF 30 PICT - 1 2. RETAINING RING-COVER 3. COVER WITH SPRING AND HEATER ELEMENT 17 NUT - THROTTLE SHAFT LEVER 18. WASHER-THROTTLE SHAFT LEVER 19. SCREW 141 COVER SCREW & LOCKWASHER (5) UPPER BODY 20 COVER WITH LEVER'S LINKAGE
21 DIAPHRAGM-PUMP
22 SPRING OFFICE © NEEDLE, SEAT & GASKET ASSY

(C) GASKET- CARBURETOR BODY

B. FLOAT 22 SPRING PUMP DIAPHRAGM 23 CARBURETOR MAIN BODY ASSY B. FLOAT 9. PIN - FLOAT LEVER 10. JET- AIR CORRECTION 11. CARRIER - MAINJET (12) GASKET-CARRIER 13. JET- MAIN 24. SCREW (31 - COVER 25. COVER - VACUUM DIAPHRAGM 26. SPRING - VACUUM DIAPHRAGM 26. SPRING - VACUUM DIAPHKAGW (27) VACUUM DIAPHRAGM - CHOKE 13. JET- MAIN 14. SCREW VOLUME CONTROL

CLEANING
CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED SOAK PARTS LONG
ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL. USE A CARBURETOR
CLEANING SOLVENT MAKE CERTAIN THE THROTTLE BODY IS FREE OF ALL HARD 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 SOLENOIDS, SWITCHES FLOAT OR RUBBER PARTS IN SOLVENTS:

REASSEMBLY

USING ESSENTIALLY THE REVERSE ORDER OF DISASSEMBLY GIVING SPECIAL ATTENTION. TO THE FOLLOWING SPECIAL INSTRUCTIONS

SPECIAL INSTRUCTIONS
MAKE SURE ALL JET ORIFICES ARE CLEAN AND OPEN. CLEAN WITH COMPRESSED AIR DO NOT USE WIRES TO CHECK FOR CLOGGED ORIFICES.

WHEN INSTALLING THE PUMP DIAPHRAGM AND SPRING (22) MAKE SURE THE LARGER END OF SPRING IS PROPERLY SEATED IN THE CARBURETOR BODY CAVITY BE INSTALL THE DIAPHRAGM (21) WITH PLUNGER TOWARD PUMP COVER (20).

CHECK FOR A WORN SPOT (DEPRESSION) ON THE FLOAT LEVER WHERE IT MAKES CONTACT WITH THE FUEL INLET NEEDLE VALVE. REPLACE FLOAT ASSEMBLY, IF NECESSARY FLOAT ASSEMBLY, MAY BE PURCHASED AT LOCAL VW DEALER. P/N 111-129-391A-ROUND SHAPED FLOAT (8).

PROPER NEEDLE SEAT GASKET MUST BE USED FOR SPECIFIC CARBURETOR USE THE FOLLOWING CHART TO DETERMINE THE CORRECT GASKET CARBURETOR MODEL

28 PICT-1,2 1.0 MM 30 PICT-1 1.0 MM 040

CHECK THE THERMOSTATIC SPRING IN HOUSING (ITEM 13) FOR DAMAGE, IF IT IS DISTORTED OR "KINKED", REPLACE THE ASSEMBLY

ALSO, MAKE SURE THE ELECTRICAL HEATING ELEMENT 1S NOT BROKEN. THIS CAN BE CHECKED WITH AN OHMMETER OR CONNECTED TO A CORRECT VOLTAGE BATTERY FOR A FEW MINUTES TO SEE IF IT WARMS UP (BE SURE TO GROUND TILE INSIDE METAL PART OF THE HOUSING IN ORDER TO COMPLETE THE CIRCUIT) WHEN INSTALLING ASSEMBLY WITH SPRING AND HEATER ELEMENT, CAREFULLY ROTATE ASSEMBLY COUNTERCLOCKWISE, BEING SURE THE HOOK ON COIL END ENGAGES WITH THE LEVER ON CHOKE SHAFT CONTINUE ROTATING APPROXIMATELY 1/8-TURN MORE UNTIL INDEX MARKS ALIGN THEN TIGHTEN SCREWS SECURELY

INSTALLING

INSTALL IN REVERSE ORDER OF REMOVING TORQUE RETAINING NUTS TO 2.0 MKG (14 FT LB.)

IDLING ADJUSTMENT 28 PICT, 1-2 30 PICT-1-2

A. WARM UP ENGINE: CHECK IF THE AUTOMATIC CHOKE 15 FULLY OPEN

8 SET IDLING SPEED TO 850 RPM WITH THE IDLING CONTROL SCREW (SEE EXPLODED VIEW)

C. TURN VOLUME CONTROL SCREW (ITEM #14) TO RIGHT UNTIL SPEED STARTS TO DROP

D. FROM THIS POSITION. TURN VOLUME CONTROL SCREW (ITEM #14) FO THE LEFT UNTIL ENGINE RUNS FASTEST

E. IF NECESSARY, REGULATE THE ENGINE SPEED (800-900 RPM) AGAIN, WITH THE JOLING CONTROL SCREW