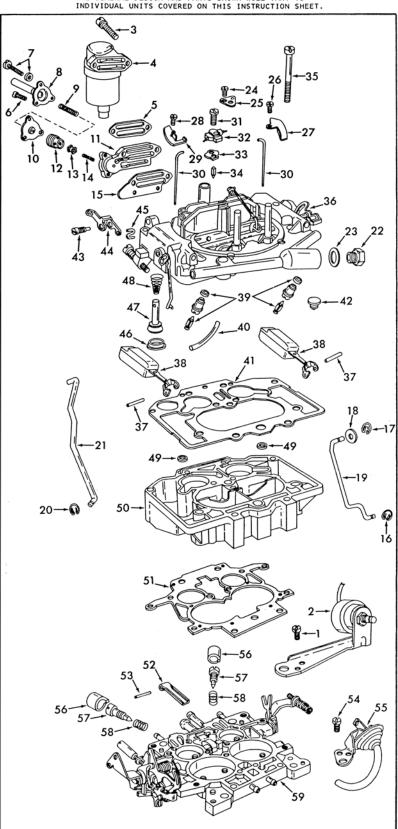
08050-509-3

INSTRUCTION SHEET OFF VEHICLE CARBURETOR SERVICE CARTER MODEL - THERMO-QUAD (TQ)

GENERAL EXPLODED VIEW

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



DISASSEMBLY

USE EXPLODED VIEW AS A GUIDE. THE NUMERICAL SEQUENCE MAY GENERALLY BE FOLLOWED TO DISASSEMBLE UNIT FAR ENOUGH TO PERMIT CLEANING AND INSPECTION. NOTE: TWO BOWL COVER SCREWS (35) ARE LOCATED BETWEEN CHOKE VALVE AND WALL OF AIR HORN. WHEN REMOVING BOWL COVER CAREFULLY UNHOOK FAST IDLE ROD FROM FAST IDLE CAM. ROD WILL REMAIN HOOKED TO CHOKE SHAFT. BOWL VENT VALVE (42) CAN EASILY BE REMOVED AND INSTALLED WITHOUT REMOVING LEVER AND ROD. TO REMOVE PUMP PLUNGER (47) USE A SMALL ROD PLACED ON END OF PLUNGER SHAFT AND TAP LIGHTLY DRIVING OUT INTAKE CHECK (46). LIMITER CAPS CAN BE REMOVED BY INSTALLING A SHEET METAL SCREW IN THE CENTER OF THE CAP AND TURN CLOCKWISE.

NOMENCLATURE

REF. NO.	REF. NO.
1. SCREW-TPS ASSY.	28. SCREW-METERING ROD COVER
2. THROTTLE POSITION SOLENOID	PLATE
ASSY. 3. SCREW & LOCKWASHER(2)-	29. PLATE-METERING ROD COVER 30. ROD(2)-METERING
ALTITUDE COMPENSATOR	31. SCREW-PUMP JET HOUSING
4. ALTITUDE COMPENSATOR ASSY.	32. HOUSING-PUMP JET
5. GASKET-ALTITUDE COMP. ASSY.	33. GASKET-PUMP JET HOUSING
6. SCREW(2)-DIAPHRAGM COVER	34. NEEDLE-PUMP DISCHARGE CHECK
7. SCREW & SEAL WASHER(1)	35. SCREW(10)-BOWL COVER
8. COVER-DIAPHRAGM	36. BOWL COVER ASSY.
9. SPRING-DIAPHRAGM	37. PIN(2)-FLOAT LEVER
10. DIAPHRAGM ASSYENRICHMENT	38. FLOAT ASSY.(2)
VALVE	39. NEEDLE, SEAT & GASKET
11. HOUSING-IDLE ENRICHMENT	ASSY.(2)
VALVE	40. TUBE-PUMP PASSAGE
12. VALVE SEAT-ENRICHMENT	41. GASKET-BOWL COVER
13. VALVE-ENRICHMENT SEAT	42. VALVE-BOWL VENT
14. SPRING-ENRICHMENT VALVE	43. SCREW-PUMP ARM
15. GASKET-ENRICHMENT VALVE	44. PUMP ARM
HOUSING	45. LINK-PUMP S
16. RETAINER-CHOKE PULL-OFF ROD	
17. RETAINER-CHOKE PULL-OFF ROD 18. WASHER-CHOKE PULL-OFF ROD	
19. ROD-CHOKE PULL-OFF	48. SPRING-PUMP 49. O-RING(2)-MAIN WELL SEAL
20. RETAINER-PUMP ROD	50. BOWL ASSYFUEL
21. ROD-PUMP ARM CONNECTOR	51. GASKET-THROTTLE BODY
22. FITTING-FUEL INLET	52. LEVER-STEP UP PISTON
23. GASKET-INLET FITTING	53. PIN-LEVER
24. SCREW-STEP UP PISTON COVER	54. SCREW-CHOKE PULL-OFF BRACKET
PLATE	55. DIAPHRAGM PULL-OFF ASSYCHOKE
25. PLATE-STEP UP PISTON COVER	56. CAP(2)-IDLE LIMITER
26. SCREW-METERING ROD COVER	57. NEEDLE(2)-IDLE ADJUSTING
PLATE	58. SPRING(2)-IDLE ADJ. NEEDLE
27. PLATE-METERING ROD COVER	59. THROTTLE BODY ASSY.

CLEANING

CLEANING MUST BE DONE WITH CARBURETOR DISASSEMBLED. SOAK PARTS LONG ENOUGH TO SOFTEN AND REMOVE ALL FOREIGN MATERIAL USING A CARBURETOR CLEANING SOLVENT. MAKE CERTAIN THE THROTTLE BORES ARE FREE OF ALL CARBON AND VARNISH DEPOSITS. RINSE 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 IMMERSE MAIN PLASTIC BODY (SO) IN CLEANING SOLVENTS FOR A PROLONGED PERIOD OF TIME. DO NOT SOAK DIAPHRAGM ASSEMBLIES, SOLENOID OR RUBBER PARTS IN CLEANING SOLVENTS.

REASSEMBLY

REASSEMBLE IN REVERSE ORDER OF DISASSEMBLY. NOTE SPECIAL INSTRUCTIONS AND FOLLOW NUMERICAL OUTLINE IN MAKING ADJUSTMENTS NECESSARY FOR CARBURETOR BEING SERVICED.

SPECIAL INSTRUCTIONS

VACUUM DIAPHRAGM ASSEMBLY (55) - LEAK TEST BEFORE INSTALLING ON THE THROTTLE BODY.

IDLE ADJUSTING NEEDLES (57) - TURN IN UNTIL LIGHTLY SEATED, THEN BACK OUT 1 1/2 TURNS. (DO NOT INSTALL IDLE LIMITER CAPS AT THIS TIME.)

O-RINGS (49) - BE SURE THEY ARE CENTERED OVER HOLES IN MAIN WELL CAVITIES OF PLASTIC BOWL BEFORE INSTALLING BOWL COVER.

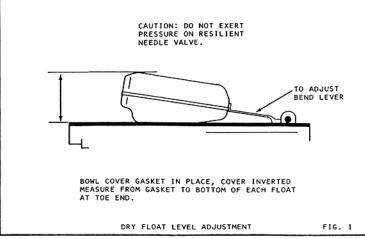
PUMP PLUNGER (47) INSTALLATION - INSTALL PUMP SPRING (48) LARGE END IN FIRST THEN INSTALL PUMP. HOLD IN PLACE BY INSTALLING "S" LINK (45) WITH LOWER OPEN END TOWARDS CHOKE. THEN INSTALL NEW INTAKE CHECK ASSEMBLY (46) AND TAP LIGHTLY INTO PLACE.

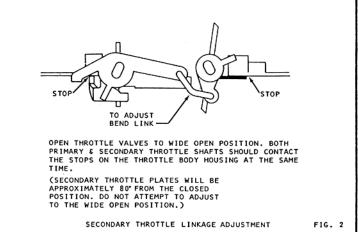
PUMP PASSAGE TUBE (40) - WHEN INSTALLING AVOID KINKING OF TUBE.

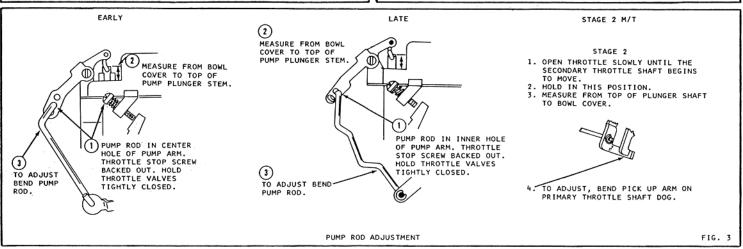
BOWL COVER SCREWS (35) - INSTALL THEN TIGHTEN TO 50 INCH LBS. IN TWO OPERATIONS.

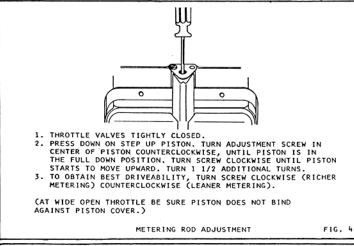
TPS ASSEMBLY (2) - DO NOT MOUNT ON CARBURETOR UNTIL ALL BENCH ADJUSTMENTS HAVE BEEN MADE.

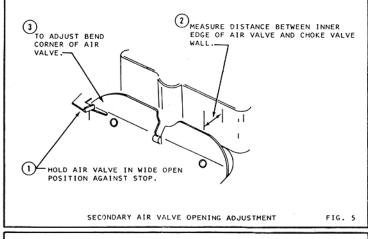
ADJUSTMENTS

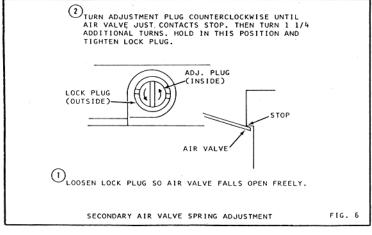


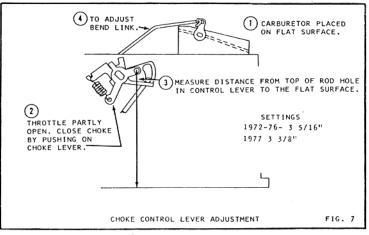


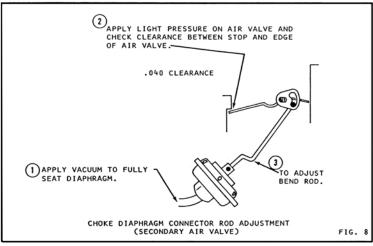


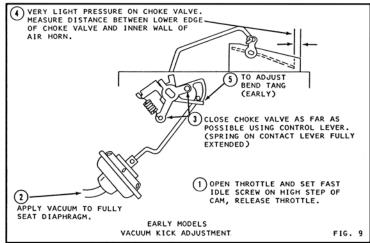


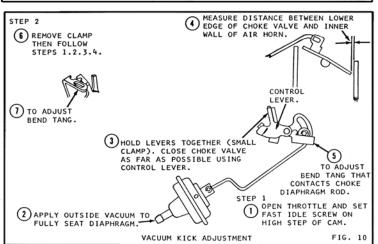


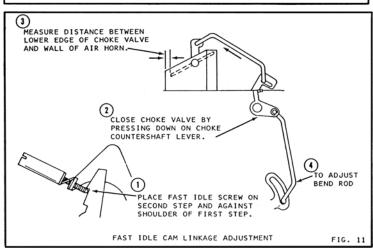


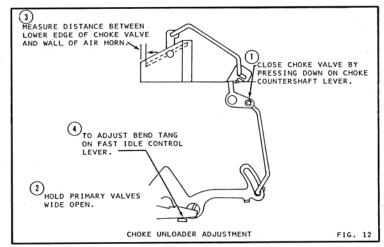


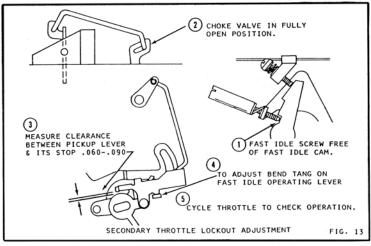


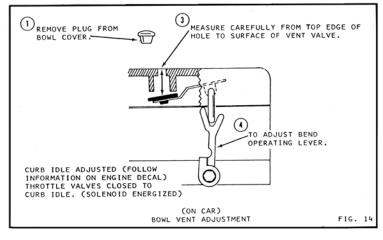


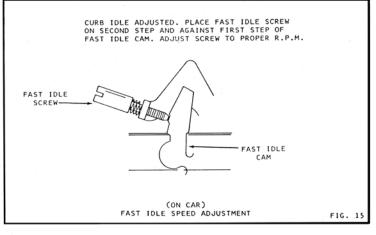












ADJUSTMENT DATA TABLE

			H						VACUUM	₩ _D			
YEAR	MAKE	PRY FLOAT LEVEL		PUMP ADJUSTMENT STAGE STAGE 1 2	STAGE 2	FAST IDLE CAM LINKAGE	UNLOADER ADJ.	AIR VALVE OPENING	BREAK STEP 1 S HIGH L	STEP 2 LOW	BOWL VENT	CURB. IDLE R.P.M. NOTE 1	FAST IDLE R.P.M.
1972	CHRYSLER CORP.	A/T		1/2		7/64"	3/16"	29/64"	;	9/64"	13/16"	006	1900
		_		9/16"	:	7/64"	3/16"	29/64"	:	5/32"	13/16"	750	1900
	400" ENG.			1/2"	:	7/64"	3/16"	31/64"	;	9/64"	13/16"	006	1900
				9/16"	:	7/64"	3/16"	31/64"	:	5/32"	13/16"	750	1900
	W/AIR PUMP	S/T	_	9/16"	: :	7/64"	3/16"	31/64"	: :	5/32"	13/16"	800	2000
1973	CHRYSLER CORP.		-										
	340" ENG.	T/A	_	1/5	:	7/64"	3/16"	15/32"	:,	5/32"	13/16"	750	1800
				9/16"	11/32"	7/64"	3/16"	15/32"	:	5/32"	13/16"	006	1300
	400" ENG.	- F	_	1/2"	11/22"	7/64"	3/16"	15/32"	:	5/32"	13/16"	750	1800
	440" ENG.	_		1/2"	76/11	7/64"	3/16"	15/32"	: :	5/32"	13/16"	200	1700
	440" ENG. MOTOR HOME			9/16"	:	7/64"	3/16"	15/32"	:	5/32"	13/16"	E/D	1800
1974	CHRYSLER CORP.											9	
	360" ENG.	A/1		1/2"	11/32	3/32"	5/16"	1/2"	: :	5/32"	13/16"	E/0	1900
	CARB. NO. 6488S (CALIF.)			9/16"	:	3/32"	5/16"	1/2"	:	5/32"	;	8 8	1800
	CARB. NO. 9022S TRUCK	_		9/16"	:	3/32"	5/16"	1/2"	:	7/32"	13/16"	E/D	2000
	400" ENG.			1/2	:	3/35"	5/16"	1/2"	:	5/32"	13/16"	E/D	1900
				9/16"	11/32"	3/35"	5/16"	1/2	1	5/32"	:	E/D	1700
	440" ENG.			1/2	:	3/32"	5/16"	1/2"	:	1/2"	13/16"	E/D	1700
	440" ENG.	A/T		1/2"	11/32"	3/32"	5/16"	1/2"	: :	5/32"	13/16"	2 6	2000
1076			1									i	
6/6	360" ENG.	A/T 29/32"		35/64"	:	3/32"	5/16"	1/2"	:	3/32	13/16"	E/D	1600
	360" ENG. CALIF.			35/64"	:	3/32	5/16"	:/5	:	5/35	13/16"	EZD	1700
	400" ENG.			35/64"	:	3/32"	5/16"	1/2"	;	3/32"	13/16"	0 5	1800
	440" ENG CALIF	A/T 31/32"		35/64"	: :	3/32	5/16"	1/2	: :	3/32"	13/16"	2 2	1600
	440" ENG. W/CARB. NO.				,	100	2	1		1	9	2)
		78	-	35/64"	:	3/32	5/16"	1/2	:	3/32"	13/16"	E/D	1800
	CARB. NO. 6545S TRUCK	ALL/T 1	:	9/16"	11/32"	3/32	5/16"	1/2	:	5/32"	:	E/D	2000
1976	CHRYSLER CORP.							į				4	
	360" ENG.	A/1 29/32		33/64"	5/16:	3/32"	5/16:	33/64"	:	3/37	13/16"	3 5	200
	400" ENG. FED. & CAN.	_	_	33/64"	5/16"	3/32"	5/16"	33/64"	: :	3/32"	13/16"	8 8	1800
	400" ENG. CALIF.		_	33/64"	5/16"	7/64"	5/16"	33/64"	:	3/35"	13/16"	O'A	1600
	400" ENG. CARB. NO. 9097S			33/64"	5/16"	7/64"	5/16"	33/64"	:	3/32"	13/16"	E/D	1600
	CARR NO SOERS SOESS	A/T 29/	29/32" 3	33/64"	5/16	3/32"	5/16"	33/64"	:	3/32"	13/16"	9 5	1600
	CARB. NO. 9095S, CALIF.			33/64"	5/16"	3/32"	5/16"	33/64"	:	3/32"	13/16"	2 2	1800
			-	9/16"	1/32"	3/32"	5/16"	1/2"		5/32"		E/D	2000
1977	CHRYSLER CORP.					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		***		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		č	
	900 ENG. CANB. NO. 90103	F/4	_	1,0,1	23/32	3/32"	5/16	1/2"	19/32	5/32"	13/16"	2 2	: :
	400" ENG.	_		1/2	5/16"	3/32"	5/16"	1/2"	-	3/32"	13/16"	20	:
	440" ENG.	A/T 13/	3/16"	1/2	5/16"	3/32"	5/16"	1/2"	19/32"	3/32"	13/16"	E/D	:
1977	DODGE TRUCK 440-1" ENG.	A/T 27/	27/32"	1/5	23/32	3/32"	5/16"	1/2"	19/32"	3/32"	:	E/D	:
1974-76	INTERNATIONAL												
	CARB NOS. 6551, 6590, 6592	Ξ;		11/32"	1/8"	3/32"	5/16"	1/2"	11/32"		13/16"	E/0	1575
	CARB NOS. 9027, 9028	-	1-1/19	11/32	9/64	3/32	5/16	1/2	11/32"	9/32	13/16"	E/D	15/5

NOTE: 1 - SOLENOID ENERGIZED E/D = ENGINE DECAL

• ALL ORIGINAL METAL FLOAT SETTINGS OF 1" OR 1-1/16" USE 29/32" WHEN PLASTIC FLOATS ARE USED.

ALL OTHER FLOAT SETTINGS ARE FOR PLASTIC FLOATS.

AFTERMARKET REPLACEMENT METAL FLOATS USE PLASTIC FLOAT SETTINGS.