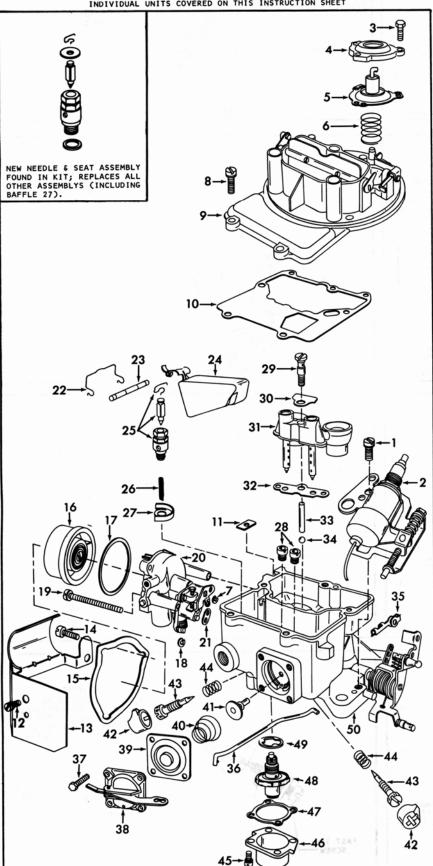
INSTRUCTION SHEET AMERICAN MOTORS CARBURETOR **MODEL 2100**

DEE

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: TO REMOVE IDLE LIMITER CAPS (42) INSTALL A SHEET METAL SCREW IN THE CENTER OF THE CAP AND TURN CLOCKWISE.

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NO	Мŀ	NI:I	АП	IIKE

I	NO.		NO.	
۱	_	SCREW & LOCKWASHER - THROTTLE		
I	1.			JET (2) - MAIN
ı	•	POSITIONER THROTTLE POSITIONER ASSY.		SCREW - PUMP DISCHARGE
۱		SCREW (3) - MODULATOR COVER	29.	NOZZLE
ı		COVER - MODULATOR	70	PLATE - AIR DISTRIBUTION
l		DIAPHRAGM ASSY MODULATOR		VENTURI CLUSTER ASSY.
۱				GASKET - VENTURI CLUSTER
۱		SPRING - DIAPHRAGM RETURN		WEIGHT - DISC. BALL
ı	/.	RETAINER - CHOKE ROD SCREW & LOCKWASHER (4) - BOWL		
۱	8.		122.	RETAINER - PUMP ROD
ı	_	COVER		ROD - PUMP
I		AIR HORN ASSEMBLY		SCREW (4) - PUMP COVER
ı		GASKET-AIR HORN		COVER & LEVER ASSY.
ı		SEAL - CHOKE ROD		DIAPHRAGM - PUMP
ı		SCREW (2) - CHOKE SHIELD		SPRING - DIAPHRAGM RETURN
ı		SHIELD - CHOKE		VALVE - PUMP INLET
ı	14.	SCREW (3) - RETAINER CHOKE		CAP (2) - IDLE LIMITER
١		COVER RETAINER - CHOKE COVER		NEEDLE (2) - IDLE ADJUSTING
				SPRING (2) - IDLE ADJ. SPRIN
ı		CHOKE COVER ASSY.		SCREW & LOCKWASHER (4) -
١		GASKET - CHOKE COVER RETAINER - FAST IDLE ROD	١٠,٠	VALVE COVER
١		SCREW & LOCKWASHER (3) -	46	COVER - POWER VALVE
١	19.	CHOKE HOUSING ASSY.		GASKET - COVER
ı		CHOKE HOUSING ASSY.		VALVE - POWER
ı				GASKET - POWER VALVE
ı		GASKET - CHOKE HOUSING		MAIN BODY ASSY.
ı		RETAINER - FLOAT PIN	١,,,,	PAIN BOD! ASSI.
١		PIN - FLOAT HINGE		
J		FLOAT & LEVER ASSY.		
		NEEDLE, SEAT & GASKET ASSY.		
	26.	SCREEN - NEEDLE SEAT		

CLEANING

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 BORES ARE
FREE OF ALL CARBON AND VARNISH DEPOSITS. RINSE OFF IN SUITABLE
SOLVENT. BLOW OUT ALL PASSAGES IN CASTINGS WITH COMPRESSED AND CHECK CAREFULLY TO INSURE THOROUGH CLEANING OF OBSCURE AREAS.
CAUTION: DO NOT SOAK FLOAT, SOLENOIDS OR ANY PARTS CONTAINING OR
COVERED WITH RUBBER OR DIAPHRAGM MATERIALS IN CLEANING SOLVENT.

REASSEMBLY

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

SPECIAL INSTRUCTIONS

POWER VALVE (48) - USE CARE WHEN TIGHTENING TO PREVENT DISTORTION OF GASKET (49).

POWER VALVE COVER (46) - INSTALL WITH THE IDLE LIMITER STOPS TOWARDS MAIN BODY.

IDLE ADJUSTING NEEDLES (43) - TURN IN UNTIL SEATED, THEN BACK OUT 2 TURNS. (DO NOT INSTALL IDLE LIMITER CAPS AT THIS TIME.)

PUMP INLET CHECK VALVE (41) INSTALLATION - LUBRICATE TIP OF NEW VALVE AND INSERT IN CENTER HOLE OF PUMP CAVITY. USE NEEDLE NOSE PLIERS AND PULL THRU FROM FUEL BOML SIDE UNTIL FULLY SEATED. CUT OFF VALVE TIP AT RETAINING SHOULDER.

PUMP DIAPHRAGM RETURN SPRING (40) INSTALLATION - INSTALL LARGE OPEN END OF SPRING OVER RUBBER INLET CHECK VALVE (41).

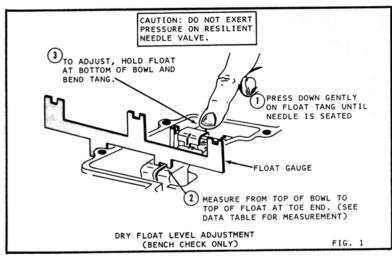
NEEDLE SEAT BAFFLE (27) - WHEN USED NO GASKET IS USED UNDER NEEDLE SEAT.

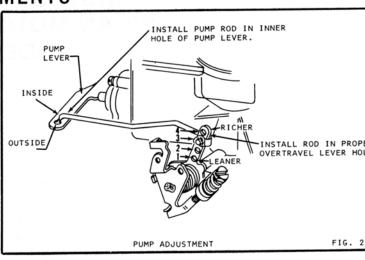
FLOAT PIN RETAINER (22) - BE SURE TO LOCK IN GROOVE ON NEEDLE SEAT BEFORE CHECKING FLOAT LEVEL.

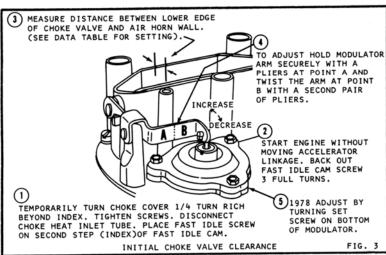
CHOKE COVER (16) INSTALLATION - BE SURE TO INSTALL BI-METAL SPRING HOOK IN SLOT OF LEVER.

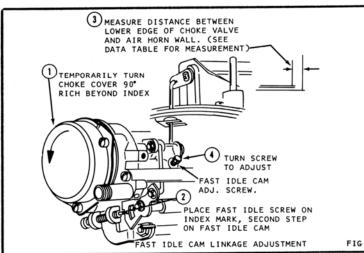
CARBURETOR HOLD DOWN NUTS - TORQUE TO 14 FT. LBS. AIR CLEANER STUD-TORQUE TO 10 FT. LBS.

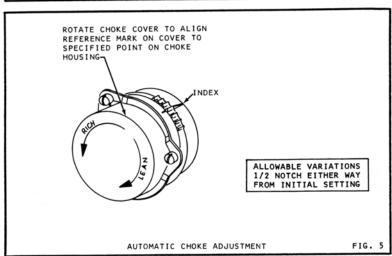
ADJUSTMENTS

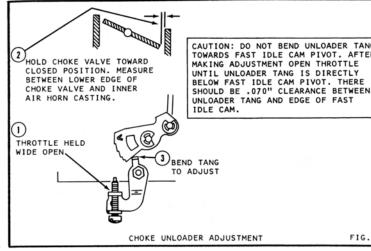


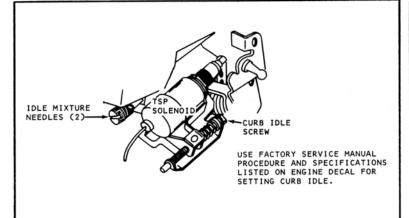


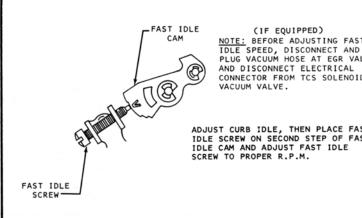












FAST IDLE ADJUSTMENT

ADJUSTMENTS

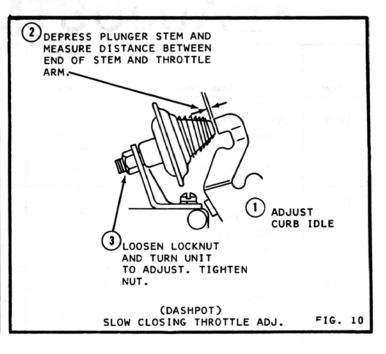


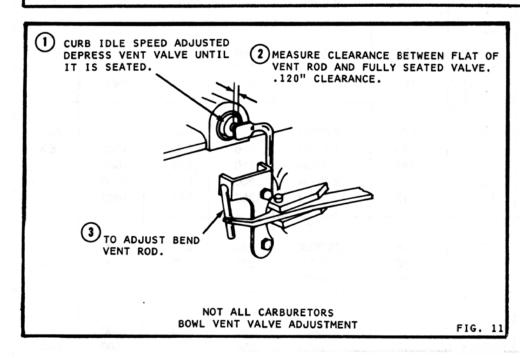
STRAIGHTEDGE

- VEHICLE ON A LEVEL SURFACE AND ENGINE AT NORMAL OPERATING TEMPERATURE.
- REMOVE AIR HORN ATTACHING SCREWS. START AND LET ENGINE IDLE FOR A FEW MINUTES, THEN ROTATE AIR HORN OUT OF WAY AND REMOVE AIR HORN GASKET.
- 3. WHILE ENGINE IS IDLING, USE A T-SCALE TO MEASURE THE VERTICAL DISTANCE FROM THE TOP MACHINED SURFACE OF THE CAREBURETOR MAIN BODY TO THE LEVEL OF THE FUEL IN THE BOWL. CAUTION: MEASUREMENT MUST BE MADE AT LEAST 1/4" AWAY FROM ANY VERTICAL SURFACE TO ASSURE AN ACCURATE READING. (SEE DATA TABLE FOR SETTING.)
- 4. TO ADJUST. <u>STOP ENGINE</u>. BEND FLOAT TAB UPWARD TO RAISE FUEL LEVEL, AND DOWNWARD TO LOWER IT. TO RECHECK LEVEL ENGINE MUST BE STARTED AND ALLOWED TO IDLE A FEW MINUTES TO STABILIZE FUEL LEVEL.
- 5. RECHECK CARBURETOR IDLE ADJUSTMENT.

WET FLOAT LEVEL ADJUSTMENT

FIG. 9





ADJUSTMENT DATA TABLE

		Float Level	Fuel Level	Pump Lever	Choke Initial	Fast Idle	Auto		Curb	Fast Idle	Dash
Year	Application	(Dry)	(Wet)*	Hole	Clearance	Cam	Choke	Unloader	Idle	R.P.M.	Pot
1974	All Vehicles	1		11 2 2			- 11 - 11 - 12 - 13 - 14 - 1		6		
	304"-360" Eng. A/T	13/32"	.780	No. 3	1/8"	1/8"	1-RICH	1/4"	E/D	1600	
	M/T	13/32"	.780	No. 3	9/64"	1/8"	2-RICH	1/4"	E/D	1600	9/64"
	Carb. No. 4RDH2	3/8"	.750	No. 3			2-RICH	1/4"	E/D	1600	
1975	Pass. Cars										
	360" Eng. A/T	13/32"	.780	No. 3	.136	.126	1-RICH	1/4"	E/D	1600	
	304" Eng. A/T	13/32"	.780	No. 3	.136	.126	1-RICH	1/4"	E/D	1600	
	304" Eng. M/T	13/32"	.780	No. 3	.132	.120	2-RICH	1/4"	E/D	1600	3/32′
1975	Jeep & Jeep Truck	1.									
	360" Eng. A/T		.930**	No. 3	.136	.115	2-RICH	1/4"	E/D	1600	
	360" Eng. M/T	13/32"	.930**	No. 3	.136	.115	2-RICH	1/4"	E/D	1600	
	304" Eng. M/T	13/32"	.930**	No. 3	.132	.120	2-RICH	1/4"	E/D	1600	3/32
1976	Pass, Cars										
	304" Eng. M/T		.930**	No. 3	.132	.120	2-RICH	.250	E/D	1600	.093
	304" Eng. A/T		.780	No. 3	.136	.126	1-RICH	.250	E/D	1600	
	360" Eng. A/T	13/32"	.780	No. 3	.136	.126	1-RICH	.250	E/D	1600	
1976	Jeep				1						
	304" Eng. M/T		.930**	No. 3	.132	.120	2-RICH	.250	E/D	1600	.093
	304" Eng. Calif. M/T		.930**	No. 2	.132	.120	1-RICH	.250	E/D	1600	.093
	304" Eng. A/T		.930**	No. 3	.136	.126	1-RICH	.250	E/D	1600	
	360" Eng. H.D. M/T		.930**	No. 3	.136	.115	2-RICH	.250	E/D	1600	
	360" Eng. H.D. A/T	13/32"	.930**	No. 3	.136	.115	2-RICH	.250	E/D	1600	
1977	Pass, Cars										
	304" Eng. A/T	13/32"	.780	No. 3	.136	.126	INDEX	.250	E/D	1600	
	360" Eng. A/T		.780	No. 3	.136	.126	1-RICH	.250	E/D	1600	
	304", 360" Calif. A/T	13/32"	.780	No. 3	.130	.120	1-RICH	.250	E/D	1600	
1977	Jeep CJ-5, 7										(
	304" Eng. M/T	13/32"	.930**	No. 3	.132	.120	2-RICH	.250	E/D	1600	.093
	304" Eng. Calif. M/T	13/32"	.930**	No. 2	.132	.120	1-RICH	.250	E/D	1600	.093
	304" Eng. All A/T	I	.930**	No. 3	.136	.126	1-RICH	.250	E/D	1600	
1977	Cherokee, Wagoneer, Truck										
	360" Eng. M/T	I	.930**	No. 3	.136	.115	2-RICH	.250	E/D	1600	
	360" Eng. A/T	13/32"	.930**	No. 3	.136	.115	2-RICH	.250	E/D	1600	
1978	Pass. Cars	0/16"	700	No. 3	126	.126	INDEX	.250	E/D	1600	
	304" Eng. Fed. A/T		.780		.136		1-RICH	.250	E/D	1600	
	360" Eng. Fed. A/T 304", 360" Eng. Calif. A		.780 .780	No. 3 No. 3	.136 .136	.126 .126	1-RICH	.250	E/D	1800	
1978	Jeep							 			
.0.0	304" Eng. M/T	9/16"	.930**	No. 3	.132	.120	2-RICH	.250	E/D	1500	
	304" Eng. A/T		.930**	No. 3	.136	.126	1-RICH	.250	E/D	1600	
	360" Eng. All/T	9/16"	.930**	No. 3	.136	.115	2-RICH	.250	E/D	1600	
1979	Pass. Cars									4000	
	304" Eng. Fed. A/T		.780	No. 3	.125	.113	1-RICH	.300	E/D	1600	
	304" Eng. Fed. M/T	5/16"	.780	No. 3	.125	.113	1-RICH	.300	E/D	1500	
1979	Jeep	0/40"	020**	N- 2	125	120	2 0104	.300	E/D	1500	
	304" Eng. Fed. M/T		.930**	No. 3	.125	.120	2-RICH	.250	E/D	1500	
	304" Eng. Calif. M/T		.930**	No. 3	.132	.120	1-RICH	.300	E/D	1600	
	Carb. No. 9DM2H M/T 304" Eng. Fed. A/T		.930** .930**	No. 3 No. 3	.128 .140	.113 .125	1-RICH INDEX	.360	E/D	1500] ==
	1		†	 				1		1	
1980	Jeep 304" Eng. Fed. Carb. No. ODM2J M/T	3/8"	.930**	No. 3	.125"	.113"	2-RICH	.300"	E/D	1500	
	Fed. Carb. No. ODA2J A/T		.930**	No. 3	.128"	.113"	1-RICH	.300"	E/D	1600	
	Calif. Carb. No. ODM2JC N		.930**	No. 3	.120"	.106"	2-RICH	.300"	E/D	1500	
	Calif. Carb. No. ODA2JC A	., .	.930**	No. 3	.120"	.106"	2-RICH	.300"	E/D	1600	
	Alt. Carb. No. ODM2A M/T		.930**	No. 3	.128"	.113"	1-RICH	.300"	E/D	1500	

^{* -} Refer to car service manual.

^{** -} With Float damper spring.

E/D - Engine Decal

M/T - Manual Transmission