# 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.

# 30--35 38 37

### 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 (47) 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. MECHANICALLY OPERATED BOWL VENT VALVE (54) (WHEN USED) CAN EASILLY BE REMOVED AND INSTALLED WITHOUT REMOVING LEVER & ROD. TO REMOVE PUMP PLUNGER (57) USE A SMALL ROD PLACED ON END OF PLUNGER SHAFT AND TAP LIGHTLY DRIVING OUT INTAKE CHECK (56). LIMITER CAPS CAN BE REMOVED BY INSTALLING A SHEET METAL SCREW IN THE CENTER OF THE CAP AND TURN CLOCKWISE.

### **SPECIAL CAUTION**

STEP UP PISTON ASSEMBLY (32) - THE LENGTH OF THE STEP UP PISTON LIFT ROD IS FACTORY ADJUSTED. TAMPERING WITH THE SETTING WILL UPSET PERFORMANCE AND EMISSION CONTROL, WHICH IS A VIOLATION OF THE CLEAN AIR ACT OF 1970,

TAMPERING WITH THE METERING ROD ADJUSTMENT WILL BE AT THE RISK OF THE INDIVIDUAL SERVICING THE CARBURETOR.

### NOMENCLATURE

REF		REF	
NO.		NO.	
1.	SCREW & LOCKWASHER (2)- ALTITUDE	34.	SPRING – STEP UP PISTON
٠.	COMPENSATOR	35.	RETAINER - CHOKE PULL OFF ROD
2.	ALTITUDE COMPENSATOR ASSY. (SOME	36.	
2.	MODELS)	37.	WASHER— CHOKE PULL OFF ROD RETAINER— CHOKE PULL OFF ROD
3.		38.	ROD - CHOKE PULL OFF ROD
4.	SCREW (2) – DIAPHRAGM COVER	39.	
5.	SCREW & SEAL WASHER (1) - COVER	40.	RETAINER – PUMP ROD ROD – PUMP ARM CONNECTOR
6.	COVER - DIAPHRAGM	41.	SCREW – PUMP ARM
7.	SPRING - DIAPHRAGM	42.	ARM-PUMP
8.	DIAPHRAGM ASSY.— ENRICHMENT	43.	SCREW- PUMP JET HOUSING
٥.	VALVE	44.	HOUSING – PUMP JET
9.	HOUSING - IDLE ENRICHMENT VALVE	45.	GASKET – HOUSING
10.	VALVE SEAT - ENRICHMENT	46.	NEEDLE-PUMP DISC, CHECK
11.	VALVE- ENRICHMENT SEAT	47.	SCREW (10) – BOWL COVER
12.	SPRING- ENRICHMENT VALVE	48.	BOWL COVER ASSY.
13.	GASKET- ENRICHMENT VALVE HOUSING	49.	PIN (2) – FLOAT LEVER
14.	SCREW- TRANSDUCER BRACKET	50.	FLOAT ASSY, (2)
15.	TRANSDUCER, IDLE STOP SWITCH &	51.	NEEDLE SEAT & GASKET ASSY. (2)
	BRACKET ASSY.	52.	TUBE- PUMP PASSAGE
16.	HOSE- BOWL VENT SOLENOID	53.	GASKET- BOWL COVER
17.	SCREW & LOCKWASHER (3) - BOWL VENT	54.	VALVE- BOWL VENT- (MECHANICA
	SOLENOID	0	MODEL)
18.	BOWL VENT SOLENOID ASSY.	55.	S LINK – PUMP
19.	VALVE- BOWL VENT	56.	CHECK VALVE ASSY PUMP INTAKE
20.	GASKET- BOWL VENT SOLENOID ASSY.	57.	PUMP ASSY.
21.	FITTING- FUEL INLET	58.	SPRING-PUMP
22.	GASKET- INLET FITTING	59.	O RING (2)— MAIN WELL SEAL
23.	SCREW-ROD RETAINER	60.	BOWL ASSY. – FUEL
24.	RETAINER - CHOKE CONNECTOR ROD	61.	GASKET- THROTTLE BODY
25.	ROD- CHOKE CONNECTOR	62.	LEVER - STEP UP PISTON
26.	SCREW- METERING ROD COVER PLATE	63.	PIN- LEVER
27.	PLATE- COVER	64.	SCREW- CHOKE PULL OFF BRACKET
28.	SCREW- METERING ROD COVER PLATE	65.	CHOKE PULL OFF ASSY.
29.	PLATE- COVER	66.	CAP (2)- IDLE LIMITER
30.	SCREW-PLATE	67.	NEEDLE (2) - IDLE ADJUSTING
31.	PLATE: STEP UP PISTON COVER	68.	SPRING (2)- IDLE ADJUSTING NEED!
32.	STEP UP PISTON & ROD ASSY.	69.	THROTTLE BODY ASSY.
33.	ROD (2) - STEP UP		
	CLEAN	IINC	
۰	CLEAN		
	ANING MUST BE DONE WITH CARBURE UGH TO SOFTEN AND REMOVE ALL FO		
	ANING SOLVENT. MAKE CERTAIN THE TH		

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 (60) IN CLEANING SOLVENTS FOR A PROLONGED PERIOD OF TIME. DO NOT SOAK DIAPHRAGM ASSEMBLIES, SOLENOIDS, OR RUBBER PARTS IN CLEANING SOLVENTS.

### REASSEMBLY

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

### **SPECIAL INSTRUCTIONS**

IDLE ADJUSTING NEEDLES (67) - TURN IN UNTIL LIGHTLY SEATED, THEN BACK OUT 1 1/2 TURNS. (DO NOT INSTALL IDLE LIMITER CAPS AT THIS TIME.)

CHOKE PULL OFF ASSEMBLY (65) - LEAK TEST BEFORE INSTALLING ON THE THROTTLE BODY.

O-RINGS (59) - BE SURE THEY ARE CENTERED OVER HOLES IN MAIN WELL CAVITIES PLASTIC BOWL BEFORE INSTALLING BOWL COVER.

PUMP PLUNGER (57) INSTALLATION - INSTALL PUMP SPRING (58) LARGE END IN FIRST THEN INSTALL PUMP. HOLD IN PLACE BY INSTALLING "S" LINK (55) WITH LOWER OPEN END TOWARDS CHOKE. THEN INSTALL NEW INTAKE CHECK ASSEMBLY (56) AND TAP LIGHTLY INTO PLACE.

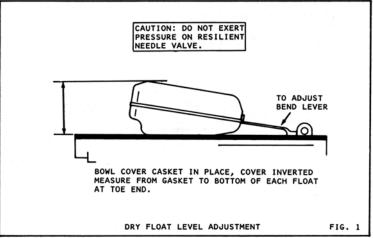
PUMP PASSAGE TUBE (52) - WHEN INSTALLING, AVOID KINKING OF TUBE.

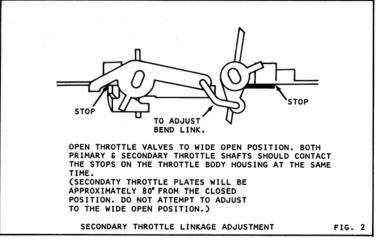
FLOAT PINS (49) - INSTALL WITH HEAD OF PINS TOWARDS CENTER OF CARBURETOR.

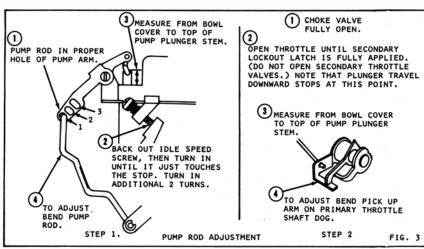
BOWL COVER SCREWS (47) - INSTALL, THEN TIGHTEN TO 35 INCH LBS. IN TWO OPERATIONS.

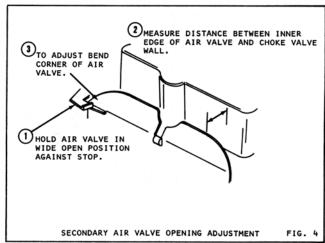
BOWL VENT VALVE (19)-MODELS WITH SPECIAL VENT VALVE, INSTALL 3 NOTCH SIDE OF VALVETOTHE TOP.

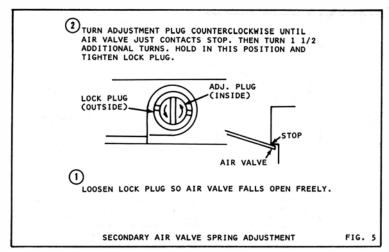
## **ADJUSTMENTS**

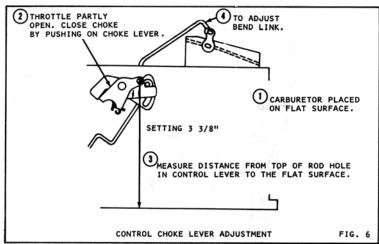


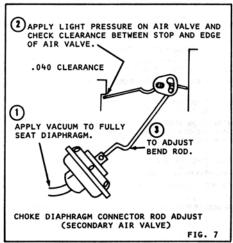


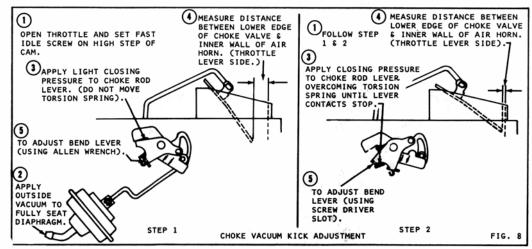




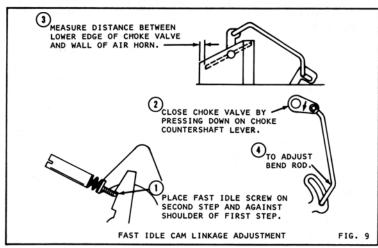


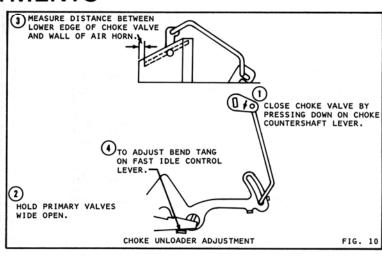


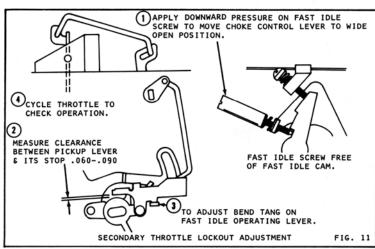


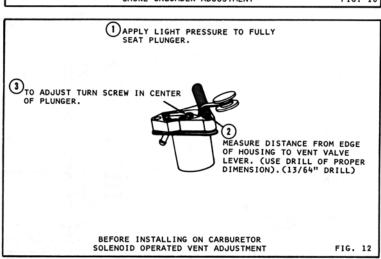


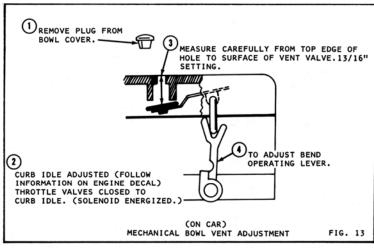
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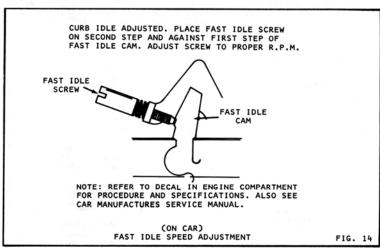


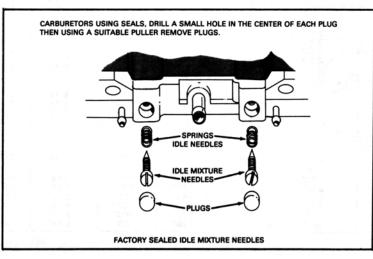












### 1981 TAMPER PROOF

IDLE ADJUSTING NEEDLES HAVE A ROLL PIN IN BETWEEN PLUG & NEEDLE. REMOVE PLUG, THEN USING A SHARP PUNCH DRIVE ROLL PIN OUT OF HOLE.

TO REMOVE CHOKE PULLOFF LINKAGE COVER DRILL OUT POP RIVETS.

NEW CHOKE CONNECTOR LINK IS HARDENED AND CANNOT BE BENT. ADJUSTMENT IS MADE BY PROPER POSITIONING OF THE OUTER CHOKE LEVER. TO ADJUST REMOVE COUNTER SHAFT LEVER SCREW (HAS LEFT HANDED THREAD). WITH A SMALL SCREW DRIVER PLACED BETWEEN THE OUTER AND INNER CHOKE SHAFT LEVER, LOOSEN OUTER CHOKE SHAFT LEVER FROM THE TAPER OF THE COUNTER SHAFT ENOUGH TO ROTATE OUTER CHOKE LEVER TO THE PROPER SPECIFICATION. HOLDING THE OPPOSITE END OF THE CHOKE COUNTER SHAFT, SEAT THE OUTER LEVER ONTO THE TAPER OF SHAFT BY TAPPING LIGHTLY WITH A VERY SMALL HAMMER, THEN INSTALL SCREW AND TORQUE TO 8-15 INCH LBS. (DO NOT USE SCREW TO FORCE OUTER LEVER ONTO TAPER OF SHAFT).

# **ADJUSTMENT DATA TABLE**

	ADJUS I MEN I					DAIA IABLE						
YEAR MAKE	DRY FLOAT LEVEL	PUMP ROD HOLE	PUMP ADJ STAGE 1		SECONDARY AIR VALVE OPENING	SECONDARY AIR VALVE SPRING TURNS	CHOKE VAC STEP 1	STEP 2	FAST IDLE CAM. ADJ.	UNLOADER ADJ.	FAST IDLE R.P.M.*	
1978 PASS CAR CHRYSLER CORP 318" Eng. Calif./Can. A/T 360" Eng. Fed./Can. A/T 360" Eng. Calif./Alt. A/T 400" Eng. Fed. A/T 400" Eng. Can. A/T 400" Eng. Carb. No. 9182, 918 440" Eng. Carb. No. 9109, 911	29/32" 29/32" 29/32" 29/32" 27/32" 29/32"	3 1 1 2 2 2	31/64" 31/64" 31/64" 33/64" 33/64" 1/2"	23/64" 5/16" 23/64" 5/16" 5/16"	1/2" 1/2" 1/2" 1/2" 1/2" 1/2"	1 1/2 1 1/2 1 1/2 1 1/2 1 1/2 1 1/4	19/32" 19/32" 19/32" 19/32" 19/32" 19/32"	3/32" 5/32" 3/32" 5/32" 3/32" 3/32"	3/32" 3/32" 3/32" 3/32" 3/32" 3/32"	5/16" 5/16" 5/16" 5/16" 5/16" 5/16"	1600 1500 1500 1500 1400 E/D	
9111 A/T Carb. No. 9112 A/T Carb. No. 9153 A/T	27/32" 29/32" 29/32"	2 2 2	33/64" 33/64" 31/64"	5/16" 5/16" 23/64"	1/2" 1/2" 1/2"	1 1/2 1 1/2 1 1/2	19/32" 19/32" 19/32"	3/32" 3/32" 5/32"	3/32" 3/32" 3/32"	5/16" 5/16" 5/16"	1400 1200 E/D	
1979 PASS CAR CHRYSLER CORP. 318" Eng. 49S/Alt. A/T Calif. A/T 360" Eng.49S A/T Calif. A/T Canada A/T	29/32" 29/32" 29/32 29/32" 29/32"	3 2 2 3 2	1/2" 1/2" 33/64" 1/2" 33/64"	23/64" 23/64" 5/16" 23/64" 5/16"	1/2" 3/8" 1/2" 1/2" 1/2"	3 3 2 2 1/2 1/1/2	19/32" 19/32" 19/32" 19/32" 19/32"	3/32" 3/32" 3/32" 3/32" 3/32"	3/32" 3/32" 3/32" 3/32" 3/32"	5/16" 5/16" 5/16" 5/16" 5/16"	E/D 1600 1600 1600	
1980 PASS CAR CHRYSLER CORP 318" Eng. Carb No. 9234 9243 9306 9320 360" Eng. Carb No. 9244, 9305 Carb No. 9236	29/32" 29/32" 29/32" 29/32" 29/32" 29/32"	2 2 2 2 2	33/64" 33/64" 31/64" 33/64" 33/64" 31/64"	25/64" 25/64" 23/64" 25/64" 25/64" 23/64"	1/2" 1/2" 3/8" 3/8" 1/2"	2 1 5/8 1 1/2 2 1 1/2	19/32" 31/64" 19/32" 19/32" 15/32" 19/32"	7/64" 3/32" 3/32" 7/64" 3/32" 3/32"	3/32" 3/32" 3/32" 3/32" 3/32" 3/32"	5/16" 5/16" 5/16" 5/16" 5/16" 5/16"	E/D E/D E/D E/D E/D	
1981 PASS CAR CHRYSLER CORP. 318" Eng. Carb No. 9283 9284 9293 (1984 CANADA) 9364 9373 1981-82 9372	29/32" 29/32" 29/32" 29/32" 29/32" 29/32"	2 1 2 1 2 2	33/64" 33/64" 33/64" 33/64" 33/64"	25/64" 25/64" 25/64" 25/64" 25/64"	1/2" 1/2" 1/2" 1/2" 1/2" 1/2"	1 3/4 1 7/8 1 3/4 1 7/8 1 3/4 1 3/4	:::	.130" .100" .130" .100" .130" .130"	.100" .100" .100" .100" .100"	5/16" 5/16" 5/16" 5/16" 5/16" 5/16"	E/D E/D E/D E/D E/D	
1982-84 PASS. CAR CHRYSLER CORP. CARB. NO. 9374, 9385, 9388, 938	29/32"	2	33/64"	25/64"	13/32"	1 3/4		.130"	.100"	5/16"	E/D	
1978 TRUCKS: CHRYSLER CORP. 318" Eng. Calif. M/T 318" Eng. Calif. Can. A/T 360" Eng. Calif. M/T 360" Eng. Calif. A/T 440" Eng. Fed. A/T Calif. L/D A/T Calif. M/D, H/D A/T	29/32" 29/32" 29/32" 29/32" 29/32" 29/32" 29/32"	2 2 2 2 2 2 2 2	33/64" 33/64" 33/64" 33/64" 31/64" 33/64"	5/16" 5/16" 5/16" 5/16" 5/16" 5/16" 23/64" 5/16"	1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2"	2 2 2 2 2 2 2	19/32" 19/32" 19/32" 19/32" 19/32" 19/32" 19/32"	5/32" 3/32" 5/32" 3/32" 5/32" 3/32" 3/32"	3/32" 3/32" 3/32" 3/32" 3/32" 3/32" 3/32"	1/2" 1/2" 1/2" 1/2" 1/2" 1/2" 1/2"	1600 1600 1700 1600 1400 1400	
1979 TRUCK: CHRYSLER CORP. -80 318" Eng. L/D Can. A/T L/D Calif. A/T M/D Calif. A/T M/D Calif. M/T 360" Eng. Calif.	29/32" 29/32" 29/32" 29/32"	2 2 2 2	1/2" 33/64" 33/64" 33/64"	5/16" 23/64" 5/16" 23/64"	3/8" 3/8" 1/2" 3/8"	3 3 3 3	19/32" 19/32" 1/2" 19/32"	3/32" 3/32" 3/32" 3/32"	3/32" 3/32" 3/32" 3/32"	1/2" 1/2" 1/2" 1/2"	E/D E/D E/D	
Carb. No. 9224, 9225 All/T Carb. No. 9208, 9210 All/T Carb. No. 9251, 9252 All/T Carb. No. 9275, 9276 All/T Carb. No. 9281 All/T Carb. No. 9281 All/T 360" Eng. 49S/Can	29/32" 29/32" 29/32" 29/32" 29/32"	2 2 2 2 2	5/16" 31/64" 11/32" 33/64" 11/32"	3/16" 23/64" 3/16" 23/64" 3/16"	1/2" 7/16" 7/16" 7/16" 3/8"	3 2 2 1/4 2 2	15/32"	.100" .150" .120" 1/8" .180"	.100" .100" .120" 1/8" .130"	1/2" 5/16" 5/16" 5/16" 5/16"	E/D E/D E/D E/D	
Carb. No. 9207, 9209 All/T Carb. No. 9226 A/T Carb. No. 9255 A/T Carb. No. 9265 A/T Carb. No. 9277, 9278 All/T 440" Eng. Calli.	29/32" 27/32" 29/32" 29/32" 29/32"	2 2 2 2 2	31/64" 31/64" 11/32" 11/32" 33/64"	23/64" 23/64" 3/16" 3/16" 23/64"	7/16" 1/2" 1/2" 7/16" 7/16"	2 2 5/8 2 5/8 2 1/2 2	15/32"	.150" .100" 120" .150"	.100" .100" .100" .100" .100"	5/16" 5/16" 5/16" 5/16" 5/16"	1600 1750 E/D E/D E/D	
Carb. No. 9212 A/T Carb. No. 9214 A/T Carb. No. 9248 A/T 440 Eng. 49S/Can.	29/32" 29/32" 29/32"	2 2 2	31/64" 31/64" 31/64"	23/64" 23/64" 23/64"	1/2" 1/2" 7/16"	1 1/4 1 1/4 1 1/4	31/64" 19/32" 31/64"	7/64" 7/64" 7/64"	3/32" 3/32" 3/32"	1/2" 1/2" 1/2"	E/D E/D E/D	
Carb. No. 9211 A/T Carb. No. 9221 A/T Carb. No. 9247 A/T	29/32" 29/32" 29/32"	2 2 2	31/64" 31/64" 31/64"	23/64" 23/64" 23/64"	1/2" 1/2" 7/16"	1 1/4 1 1/4 1 1/4	31/64" 19/32" 31/64"	7/64" 7/64" 7/64"	3/32" 3/32" 3/32"	1/2" 1/2" 1/2"	E/D E/D E/D	
446" Eng. Carb. No. 9240 Carb. No. 9241, 9289 Carb. No. 9291	29/32" 29/32" 29/32"	2 2 2	33/64" 33/64" 33/64"	5/16" 5/16" 5/16"	1/2" 1/2" 1/2"	1 1/2 1 1/2 1 1/2	19/64" 25/64" 1/2"	11/64" 11/64" 21/64"	7/64" 7/64" 7/64"	1/2" 1/2" 1/2"	E/D E/D E/D	
1980 TRUCK: CHRYSLER CORP 318" Eng. Carb. No. 9288 9296 360" Eng. Carb. No. 9292 Carb. No. 9298, 9299	29/32" 29/32" 29/32" 29/32"	2 2 2 2	33/64" 33/64" 33/64" 33/64"	23/64" 23/64" 23/64" 5/16"	3/8" 3/8" 7/16" 7/16"	2 1 1/2 2 1 1/2	31/64" 31/64" 31/64" 19/32"	1/8" 7/64" 1/8" 9/64"	1/8" 3/32" 1/8" 3/32"	5/16" 5/16" 5/16" 5/16"	E/D E/D E/D E/D	
1981 TRUCK: CHRYSLER CORP 318" ENG. CARB. NO. 9311 9325 9329 9330 9357 9365, 9367, 9368, 9371 360" ENG. CARB. NO. 9314 9331 9331 9332 9358 9359 9366,9369,9370	29/32" 29/32" 29/32" 29/32" 29/32" 29/32" 29/32" 29/32" 29/32" 29/32" 29/32" 29/32"	22222222222	11/32" 11/32" 11/32" 11/32" 11/32" 11/32" 11/32" 11/32" 11/32" 11/32" 11/32" 11/32"	3/16" 3/16" 3/16" 9/64" 3/16" 3/16" 9/64" 3/16" 9/64" 3/16"	27/64" 27/64" 27/64" 27/64" 1/2" 3/8" 7/16" 7/16" 7/16" 3/8" 7/16" 3/8"	2 1/2 2 1/2	31/64"  31/64" 31/64"    	.150" .120" .130" .130" .130" .130" .120" .180" .130" .150" .130"	.100" .100" .100" .130" .130" .100" .100" .130" .130" .130"	5/16" 5/16" 5/16" 5/16" 5/16" 5/16" 5/16" 5/16" 5/16" 5/16" 5/16"	E/D E/D E/D E/D E/D E/D E/D E/D E/D E/D	
1982 TRUCK: CHRYSLER CORP. 318" Eng. Carb. No. 9341 1982-84	29/32"	1	11/32"	3/16"	27/64"	2 1/2		.130"	.100"	5/16"	E/D	
318" Eng. Carb. No. 9342 318" Eng. Carb. No. 9375 360" Eng. Carb. No. 9376 360" Eng. Carb. No. 9379 360" Eng. Carb. No. 9386 360" Eng. Carb. No. 9387	29/32" 29/32" 29/32" 29/32" 29/32" 29/32"	1 1 1 1 1 1	11/32" 11/32" 11/32" 11/32" 11/32" 11/32"	3/16" 3/16" 3/16"  3/16" 3/16"	27/64" 3/8" 3/8" 7/16" 15/32" 15/32"	2 1/2 2 1/2 2 2 2 2 1/2 2 1/2	==	.130" .130" .180" .130" .170" .150"	.100" .130" .100" .130" .100"	5/16" 5/16" 5/16" 5/16" 5/16" 5/16"	1600 1800 1700 1500 1600 1500	