

SERVICE & PARTS TECHNICAL INFORMATION

NO. 78-G-2



Triumph

April, 1978

SUBJECT:

1978 SPECIFICATIONS

MODELS:

ALL

1978 SPECIFICATIONS

MODEL	MGB	MG MIDGET	SPITFIRE	TR 7
STARTING SERIAL NO.	GHN5UJ447001G	GAN6UJ200001G	FMT0001U	ACW40000U
NO. OF CYLINDERS	4	4	4	4
ELECTRICAL SYSTEM	12V NEG. GROUND	12V NEG. GROUND	12V NEG. GROUND	12V NEG. GROUND
BATTERY CAPACITY	66 A/H	50 A/H	40 A/H	50 A/H
ALTERNATOR TYPE/OUTPUT	18ACR 43 AMP	17ACR 35 AMP	16 ACR 36AMP	25ACR 65 AMP
TIRE/WHEEL SIZE	165 SR x 14	145 SR x 13	155 SR x 13	175/70 x 13M4, A3 (M5 185)
PRESSURES NORMAL	21F 24R	18F 20R	21F 24R	24F 26R
PRESSURES FULL LOAD	21F 26R	22F 26R	21F 26R	24F 28R
FRONT TOE-IN	1/16" — 3/32"	0 — 1/8"	1/16" — 1/8" IN	0 — 1/16"
REAR TOE-IN	—	—	1/16" — 1/8" OUT	—
CASTOR	5° — 7-1/4°	3°	4°	+3-1/2° ± 1°
CAMBER	-1-1/4°	3 4°	+3%	-1/4° ± 1°
K.P.I.	7-1/4° — 9°	6° 45' ± 1° (UNLOADED)	5-3/4°	11-1/4° ± 1°
CARBURETOR	175 CD5T	150 CD4T	150 CD4T	2-175 CDFEVX
NEEDLE	45M	45Q (FED) 45R (CA)	45P (FED) 45L (CA)	B1DH (FED) B1EP (CA)
BIAS	TO AIR CLEANER	TO AIR CLEANER	TO AIR CLEANER	TO AIR CLEANER
SPRING COLOR	BLUE	BLUE	BLUE	RED
CO READING (AIR INJECTION DISCONNECTED, PLUG LINE)	5-1/2% ± 1%	5% NOMINAL (± 2% FED) 3% NOMINAL (0.5 — 6.5% CA)	5% NOMINAL (± 2% FED) 3% NOMINAL (0.5 — 6.5% CA)	5% ± 2%
IDLE SPEED	850 ± 100 RPM	800 ± 100 RPM	800 ± 100 RPM	800 ± 100 RPM
FAST IDLE GAP SPEED	.025"	.035"	.035"	VARIABLE
FIRING ORDER	1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2
DISTRIBUTOR TYPE	45DE4	45DE4	45DE4	47DE4
AIR/POINT GAP	.014" — .016" FROM ROTOR ELECTRODE	.014" — .016" FROM ROTOR ELECTRODE	.014" — .016" FROM ROTOR ELECTRODE	.014" — .016" @ 180° FROM ROTOR ELECTRODE
DWELL	FIXED	FIXED	FIXED	FIXED
PLUG TYPE	CHAMPION N-9Y	CHAMPION N-12Y	CHAMPION N-12Y	CHAMPION N-12Y
PLUG GAP	.035"	.025"	.025"	.025"
IGNITION TIMING IDLE	10° BTDC @ 1500 RPM	10° BTDC VAC OFF (FED) 2° ATDC (CA)	10° BTDC VAC OFF (FED) 2° ATDC (CA)	10° BTDC VAC OFF (FED) 2° ATDC (CA)
VALVE CLEARANCE	.013" HOT	.010" COLD	.010" COLD	.008" INLET .018" EXHAUST (COLD)
COMPRESSION RATIO	8:1 NOMINAL	7.5:1 ± .5	7.5:1 ± .5	8:0:1 ± .5
AUTO. CHOKE NEEDLE	K	D9	D9	101
AUTO. CHOKE CAM	C5	CT8	CT8	—
AIR PUMP PRESSURE	4.5-6.5 lb/in ²	5.5-8 lb/in ²	5.5-lb/in ²	8.2-10.5 lb/in ²
AIR PUMP TEST SPEED	850 RPM	—	—	—

1978 SPECIFICATIONS

JAGUAR MODELS	XJ12	XJ6	XJS
STARTING SERIAL NO.	UJ2R58421	UJ2T69451	UJ2N54673
NO. OF CYLINDERS	12	6	12
CLEARANCE INLET	.012"-.014"	.012"-.014"	.012"-.014"
CLEARANCE EXHAUST	.012"-.014"	.012"-.014"	.012"-.014"
CARBURETOR TYPE	LUCAS/BOSCH FUEL INJECTION	LUCAS/BOSCH FUEL INJECTION	LUCAS/BOSCH FUEL INJECTION
PLUG TYPE	CHAMPION N-10Y	CHAMPION N-12Y	CHAMPION N-10Y
PLUG GAP	.035"	.035"	.035"
DIST. AIR GAP	.020"-.022"	.014"-.016"	.020"-.022"
DWELL	FIXED	FIXED	FIXED
FIRING ORDER	1A-6B-5A-2B-3A-4B- 6A-1B-2A-5B-4A-3B	1-5-3-6-2-4	1A-6B-5A-2B-3A-4B- 6A-1B-2A-5B-4A-3B
IGNITION DYNAMIC	10° ± 2° BTDC @ 750 RPM (FED) 4° ± 2° ATDC @ 750 RPM (CA)	4° ± 2° BTDC @ 800 RPM	10° ± 2° BTDC @ 750 RPM (FED) 4° ± 2° ATDC @ 750 RPM (CA)
IDLE RPM	750 RPM	800 RPM	750 RPM
IDLE CO	1-2%	.5%-1.5%	1-2%
ELECTRICAL SYSTEM	12V NEG. GROUND	12V NEG. GROUND	12V NEG. GROUND
BATTERY CAPACITY	68 A/H	66 A/H	68 A/H
ALTERNATOR TYPE/OUTPUT	25ACR 65AMP	25ACR 65AMP	25ACR 65AMP
TIRE/WHEEL SIZE	205/70-VR15 SP	E70 VRX15	205/70-VR15 SP
PRESSURES NORMAL	27F 28R	27F 28R	27F 28R
PRESSURES FULL LOAD	29F 29R	27F 30R	29F 30R
FRONT TOE-IN	0" ± 1/8"	1/16"-1/8"	0" ± 1/8"
REAR TOE IN	0" ± 1/32"	0" ± 1/2"	0" ± 1/32"
CASTOR	+2-1/4° ± 1/4°	+2-1/4° ± 1/4°	+3-1/2° ± 1/4°
CAMBER	+1/2° ± 1/4°	+1/2° ± 1/4°	+0-1/2° ± 1/4°
K.P.I.	1-1/2"	1-1/2"	1-1/2"

1978 CAPACITIES

MODEL	MGB	MG MIDGET	SPITFIRE	TR7	XJS	XJ12	XJ6
ENGINE OIL	7.25 U.S.P.	9.6 U.S.P.	9.6 U.S.P.	9.5 U.S.P.	11 U.S.O.	11 U.S.O.	8.75 U.S.O.
TRANS. STD.	6 U.S.P.	1.75 U.S.P.	1.75 U.S.P.	M4 2.5 U.S.P. M5 2.9 U.S.P.	—	—	—
TRANS. W.O.D.	7.25 U.S.P.	—	3.25 U.S.P.	—	—	—	—
TRANS. AUTO	—	—	—	19.8 U.S.P.	19.8 U.S.P.	19.8 U.S.P.	19.8 U.S.P.
REAR AXLE	2 U.S.P.	2.1 U.S.P.	1.25 U.S.P.	2.75 U.S.P.	3.25 U.S.P.	3.25 U.S.P.	3.25 U.S.P.
GASOLINE	12.3 U.S.G.	7.5 U.S.G.	8.7 U.S.G.	14.5 U.S.G.	24.0 U.S.G.	25.4 U.S.G.	25.4 U.S.G.
GRADE	UNLEADED	UNLEADED	UNLEADED	UNLEADED	UNLEADED	UNLEADED	UNLEADED
COOLANT	11.4 U.S.P.	11.4 U.S.P.	9.6 U.S.P.	15.5 U.S.P.	44.5 U.S.P.	44.5 U.S.P.	18 U.S.P.