



THE 1961 RANGE OF Race-bred Motor Cycles

THE influence exercised by racing on design is such that almost without exception the best features in modern motorcycles originated in the fiercely competitive racing field.

No motorcycle is in a better position to make use of the invaluable experience gained by many years successful participation in racing and competitions than A.J.S. and that the full benefits of this experience are passed on to the private owner is apparent from the brilliant range of 1961 Race Bred models fully described and illustrated in this catalogue.

Universally recognised as by far the toughest competition in the international calendar, the Scottish Six Days' Trial has been won 7 times in the last 14 years by A.J.S. and again in 1960. No wonder the recommendation of experienced riders is to . . .

RIDE A.J.S. FOR SUCCESS

AND SATISFACTION

RANGE OF MODELS

Model 14 248 e.c. O.H.V.

Model 8 348 c.c. O.H.V.

Model 16 347 e.c. O.H.V.

Single Cylinder Trials

Model 31 646 c.c. O.H.V.

Model 31 De Luxe 646 O.H.V. Vertical Twin

Model 31CSR 646 c.c. O.H.V.

Model 7R 349 e.c. O.H.C.

THE RACE-BRED

70 mm. × 65 mm. 248 cc.

Without doubt the fastest and most stylish 250 produced.



72 mm. × 85.5 mm. 348 ec.

A good looking "Light 350" that provides a sparkling performance.



MODEL 14CS 70 mm, × 65 mm.

248 cc.

Even faster for 1961 and fitted with a larger crankpin and new ignition system.



.69 × 93-347 cc. 82.5 × 93-498 cc.

Rugged, reliable and reonemical singles of insurpassed quality and erformance that enjoy niversal popularity. wheel and chrome plated tank panels.



MODEL 16C 69 mm, ×93 mm, 347 ec.

Success in the 1960 Scottish Six Days Trial, the toughest Trial in the World. speaks for itself.

MODELS 20 31 and 31 DeLuxe 66×72.5-498 cc.

72×79.3-646 ee. A 500 cc, and two 650 cc acknowledged leaders of their respective classes. The delaxe Model is fitted with a magneto, dynamo, Q.D. rear



MODEL 18CS 86 mm. × 85.5 mm.

497 cc. A Model that provides the performance and perfect steering that are essential for



72 mm. × 79.3 mm. 646 cc.

> Thruxton 500-mile International Race for standard production motor eyeles.

Ride A.J. S and Ensure Success!



SPECIFICATION ____

MODEL	14	14CS	8	16	10	16C	IBCS	20	3.1	31DL	SICSK
ENGINE	24for, O.H.V. Singles Jakes, O.H.V. Single		36% 0)4,V	Singles 490cc.	34% OH)	Sades Wite.	ettor, O.H.V. Tarin	ettor, O.H.V. Tevin			
Bore and Stroke	1960; O.H.V. Singles 3860; O.H.V. Single 27 mm. v 65 mm. 375 mm. v 65 mm.			13 mm. + 13 mm. 10 mm.				66 mm, × 72,5 mm, 72,5 mm, × 79,3 mm, × 79,3 mm,			
Collector hand and voters of	e Die-cen light allay head w	sh result valve sears. Chosmium a	forms malling stanes where.	- Discour light alley head with case in valve saze. Chapma placed, soften sipped valves with Duplex halopin springs -				Separate discont light alloy heads with capin valve uses, observe placed serline sipped valves with double helical springs			
		and Duplier halrpin value springs -									
Valve adjustment .		remed hardened steel pusheed and a		Streved hardened steel published and cops				-	Equipment	ic racker spindles	
Rockers		net, housed in desartable light allay		e				One piece seed stamping. Decembable light allay recitor covers.			
Came		gle gear-driven camebals with two o		Single cams on gear-drives cam wheels				e			
Cam followers e	Forged steel lever type operating Hiduminion pushrods Class grain cast from with integral pushrod tunnels			Chee grain supplies. Searces chrome object auch red connells— Light after with iron liner				Hardened alley iron levers operating Hidunisium poshreds Separate harrels of elece grain iron with integral push red townels.			
Cylinder barrel Posse	Close grain cut from with integral pushred tunnels Light affer with 2 rings; 2 comprossion they ring shrums placed) 1 oil control							Cight alley with three rings; 2 compression (top ring chrome plated). I oil control			
Compression ratio	7.8 (1 105) 1 105) 1 7.8 (1			Cight alloy with three rings: 2 compression (top ring chromium placed) I oil control 7.5 7.5 6.7 : I			8.0 : 1 7.5 : 1 7.5 : 1 8.5 : 1				
Connection rate	7.0 (1 95.5) 7.0 ; 1			forget yout with project in burdange fact.			8,0 1 7,5 1 7,5 1 8.5 1				
Big-end bearing	Coulds your Duralumin speed, reflect			Triple raw, Destroit rate roller				Yandgrayli three layer. Notion Stathed lead because			
Crackete	Two place. \$5 non-after speed conces also with hardwood speel shares.			Two piece. St can alloy treet course pin with hardened steet shows				Principal with countries			
Craekshoft	Europe with crushate and individually balanced Bywheels			Buff up with crashpin and individually bufunced furnheels				Spatially and dynamically believed. These baseins one piece after iron			
Maintenring	Two cased ball increase drive side, plain browns oil distributor siming side			Two caped bull journals drive side, phin brosse oil distribution timing side				Two targe diameter roller. Plain oil-distributor control bearing			
Oil pump	C			Reserv reciprocusing Dupliex plunger. Pressure feed so all moving parts			Campbale driven owin gear pumps. Pressure feed on of moving parts				
CARBURETTOR - A-wal	I ∆" Honobles 275/99	11" Monables 389(16	11" Manables 389/42	1 L." Plembles 376/5	I A" Monablec 389(1	I & " Planoblec 376/99T			1)* Heneblus 201/18		
IGNITION	Wipoc 06500 colf with Independent	Wigac 054k3 cell	Wigoc 06500 cpil, with independent	- Luces MAG coll with lade	pendent direct stort pelitich	+ Manually congrelled war	rared Lucia NCL magnets	Europ MA4 pail with Indepen	dent direct start switch,	Manually control	fled Lucan K2F magness
	direct start switch		direct start switch					Gashdriven d	stributor-		7
Sparking plug, XLG.	FERD	61230	790	Pens	2000	FEED	PETRO	F680	7080	7990	FE220
Long reach		1000	1,000					O are a series as a		heavy duty crindrical alancary	11" dis. Formanni pipe
EXHAUST SYSTEM	1]* dis. pips, cylindrical allencer	I promoter open place	1)" dis. pipe, cylindrical allenger	6-11, or (id) 15, 60 (i) 00	ngle pipe, heavy duty alloneer-	1)" dip. pipe, appwage blescor	12" diameter open pipe "Lucia EPSIS Alternator	ela. (Model 20) 12" dis. (I	Modern 219 separate paper, App	Hannelly opening the server	II de semesse pipe
ELECTRICAL	Wipst \$114 Alcensor	*Wipse STI4 Altervisor	Wipse \$114 Alternator 12 smaller, Buide 1875		5 Alternatur	*Locia ESN 6v. cynamo	*O amphy, Lucin PS 296		IN PRZ9E		v. Lucia MLZM
Receivy Headight	12 amp/or. Exide SETS 6" dis. 30m-24m, deable St. built	13 amp/or, Variey MCS/9 "6" dis. O.D. Double 65, bulls	4" dia, 30m. 25m. dauble 51, bulls	THE RESERVE	toris PLZM	*O.D. 7" dismoser 20v. is		N. St. and St. and St.	double filement bulk	- Camerar, Mrs. at	of him double filement both
Rear and Scophishes	Separate builts Jac. Him.	* Separate holds Dec-Aller.	Separate builts Day-18-a.	P Publish Jow, and a	the, double trainers burb	* Ocubic Stamon				- Double filume	
Pilot and seepinghes	heparate sente per-raw.	Separate bulbs Jan Separate bulbs Jan Separate bulbs Jan Separate bulbs Jan Jan.			- Double filmone Jw., and 18w. bulb - "Double filmone Jw., and 18w. bulb.			- Ju and Life - Ju and Life - Ju and Life -			
FRAME	Single main and franc cabes. Pressed assed underchannel			Single top table, owin table craffe Single tables. Duplex craffe Twin table traffe			Singly too tube, pain tube cradia				
Concernation	- Single main and trunt tables. Pyensed allest undergrassing.			Branel and solved. Hollanble lust Welfed Branel and balled				- Brazed and baland. Philippile lags			
Scands and lags	Centre Dand			Course stand, prop wand, pifecter large . Course and prop wand . Course and prop wand				nore stand, prop stand, sideca	r hage—	As for G12. No rear side	
Rear syspension	Two piece policing arm. Oil damped adjustable spring units.			- As for rain sylader madels - Swinging true. Special spring units			As for Twins	Rebust swinging arm, self lubricating plant bush, adjustable oil-dumped spring units			
Wheelbase	53"	\$3.75"	\$3.75"		125' —	53.25*	55.25"	55.25"	55.25"	15.25*	15.25
Ground elegrance	3.3*	7,25"	4"		5'	10"	6.5"	5.5"	5.5"	5.5"	5.5*
FORKS	Oil damped telescopic	n- Teledrautit 2-way oil damped.	Self tubelcooling. Lights after all done ->	As for sain a	ylinder models-		As for Twing	e Two v	my aid-damped, self lubrication	g, heavy duty Teledraulic. Light alley	sliders —
TRANSHISSION	2.92, 1.85, 1.30, 1.00 2.42, 1.85, 1.30, 1.00 2.92, 1.85, 1.30, 1.00			Propt mounted ATS heavy duty four speed gear box 256, 170, 122, 120 124, 244, 156, 120 256, 170, 122, 120			Print Housed AUS heavy duty fear speed peer hex				
Gear change		2.40, 1.81, 1.30, 1.00	2.92, 1.85, 1.20, 1.20	2.50, 1.70	1.22, 1.00	124, 244, 136, 139	236, 139, 122, 139		Eastered earthly over	for executed Advertish hours	
Calestareer				Enclased parties map, fact operated. Adjustable lever			Enchance pushive sines, fast, appropriat. Adjustable lever— One piper — Falling				
Clutch	- Wet multi-alote incorporating rubber vans type shock absorber			Was much office interperating rubber vans type shock absorber			Wet multi-place incorporating rubber vine tupe shock absorber				
Primary shale	JPS' x J25' in after oil both S' x J25' in after oil both J375' x J25' Quality in after oil both		F - 300' in take after off both 3' × 300' in off both As for 64/18			5'×.305'	in light after all both				
Rear chain	.5"×.305". Enclosed	.5"×.305". Chalaguard	S'x 305', Endanol	42.5" x .160", Does	recom meet chairparet	635° v.389°. Does	section scool chainguard			p section seed photogrand	
Overall ration	20.12, 12.75, 8.95, 6.89	21.42, 16.55, 11.43, 8.53	18.66, 11.82, 8.30, 6.39	14.85, 9.85, 7.05, 5.80	12:00, 0.53, 4.13, 5.00	21.00, 15.00, 10.10, 4.49	14.65, 9.85, 7.06, 5.60	13.42, 8.93, 6.40, 5.25		-0233, 0.13, 5.83, 4.78-	
WHEELS	3.35°×12°	(F) 3.00" × 19" (R) 3.50" × 19"	3.35"×19"	3.35"×19"	(f) 3.25°×19° (ft) 3.50°×19°	(F) 3.75" × 21" (R) 4.00" × 19"	(7) 3.00" × 21" (A) 4.00" × 19"			19" Rear 3.50" × 19"	
Tyres-Duslip	(F) Ribbed (R) Soudded	Knobbles	(F) Ribbod (R) Soudded	e	Rest modelet	Trials University	Knobbles		Frent Ribbs		
Holis -	full width. But instead bearings	Compatition type.	full width. Bull journal bearings	smallest width light alleg. Topic	roller bearings. Scralphs spokes	Special lightweight, Taper reflers	As for 16/18	Full width Bels allow, Taxon	raffer. Stratets makes more	As Model 31 has matchly detached	Mr Medel 31
	E.F	Taper reffer bearings	4"×1"	P. P.		137 - 21	7' 875'			2" < 400"	
MUDGUARDS	As Placed HATE	(F) 7" × 875" (R) 5.5"× 75" Patished light alley	As Plade's 16/18	Over piece stud of		5,5 7,75	To della	Court Only			us. 1 Potshed light after
TWINSEAT	Ocea 2 level fram rubber	Long competition type	Days 2 level from publish	C Verido engonal		Dunley competition saddle	Long competition type	Stack Varide cover with			Lang competition are
Seas hetels	24°	Coul conductions this	59.2.			33.5	31.5"			31"	71 102 100 100 100
PETROL TANK	3.25 col. (14.75 Secret accessed arrest	2.75 gal. (12.4 Street present steel	3.25 gal. (14.75 lieres) feam rubber	4.23 gallon (19.)	tered present soul.	2 gal. (9 livered wight allow	2 gal. (9 liarne) pressed used	-		9.3 licroi) pressed steel -	
OIL TANK	2.5 ec. ()	4 licres) light after ceeting belood or	orankung	4 pt. (2.75 No.	es) premed used -	2,75 pc. (1-6 lines) pressed steel	4.5 pc. (2.5 libres) pressed social		-t pt. (2.25 form) pressed see		
WINGHT	725-Res.	121-fts.		392-04-	394-lbs.	306-844	116-ft	290-lbs.		405-lbs.	289-04.
		Blue spolbax. Chrome rises, exhi	suit system, handleborn, Mickstarter,	Block, with tank handlined inspole	shrome rims, enhance system, esc.;	As model 16, but with "A.J.S."	As Pleased IS but with "AIS"	Stack, wish cank handlined in gold.	Chrome rises, exhaust system	n, As Hodel III, but with chromius	
FINISH		ecc. 3D blassic cosk budge. Folished silvy angles covors, primary chaincose, esc.			timing tower, theircase, pearbox	tank transfer and an enamelied	stransfer on Mue tunk.	ess. 3D photic task budge. Polishe	d timing enver, chaincast, for	ris placed carls panels.	placed panels on blue tink
	eoc. 30 slassic cosk b	edge. Felished silvy angine covers.				shalacase.	12 AV / 12 V 1 / 1	sliders, etc.			-
PINISH	eon. 30 blanck cook b	_		cover fort sliders, ecc.							
	soc. 30 stance code to Speedsmener, pillion todoreco.	Toelkir, pump, instruction book	Speedemoter, pillen freueries,	Sprequisitor, pillion featress, s	saplight, saelkit, pump, instruction	Speedumeter, toolkis, pump.	Air cleaner, cookir, pump, im-		eccometer, person speciess,	esspright, trockis, pump, irroraction be	
PINISH	Speedemater, pillen loderess, sopilishs, tool kit, pump, in-	_	Speedometer, pillon frauests, sopilghe, sookke, pump, on		saplighe, saelkie, pump, instruction	Speedameter, toolkis, pump, inscruction book, etc.	Air cleaner, quality, gump, in- teraction book, eve.	5)	secondar, pitton sporess,	HERPHYPIE, TROUBER, BUMP, SPECIFICORE SE	
FINISH	cor. 30 blassic cask it Speedsmeter, pillion loderess, vospiljek, tool kir, pump, in- serucion beek, co.	Toolkir, pump, instruction book	Speciameter, pillon frauries, scoplight, soulds, purisp, re- struction book, rel.	Spredurator, pillen feereus, s beak, mi.		improvision book, etc.	Mreciet Book, ev.				
FINISH	Speedemater, pillen loderess, sopilishs, tool kit, pump, in-	Toelkir, pump, instruction book	Speedometer, pillon frauests, sopilghe, sookke, pump, on	Spredurator, pillen feereus, s beak, mi.	saplighe, saelkie, pump, instrucțion Law compression plasan.	Standard spres, wheels, care.	Mrucius Book, ev. Scendard tyrus, wheels, sask,			espolities, modess, pump, ornoveden be 	
FINISH EQUIPMENT OPTIONAL	cor. 30 Margic crask to Spreedimenter, prillion tootmass, soothicks, tool kile, pump, lin- soruccion book, evo. Prack tank, gold lining	Toefick, pump, instruction book etc. Road game and tyres	Speciameter, pillian frauesits, usoplight, sociliat, purey, re- struction book, rel. Black tank, gold liming	Sprequenter, pillion facereus, a beat, etc. SideCut gears and ausgemen	in. Law compression plane,	Standard spres, wheels, cares, H.C. Pisson.	Struction book, ev. Standard tyres, wheels, sask, engine spracker, suspenden.	Sitteer gean a	nd suspension, high or low do	——————————————————————————————————————	1 = 1
FINISH	cot. 30 Martic cash it Speedementer, pillion toleress, coopingth, sool kits, average, in- survection books, sric. Dick teach, grid lining. Blue cash with circums punels	Toefilit, pump, instruction book etc. Road gams and tyres Socialments, Q.O Lighting set,	Speedemeen, pillen freuerist, sooplight, sookki, pursy, on struction book, rol. Shek tank, pold lining on As Medel 14	Spendimeter, pillion faceress, a beak, etc. Sideon gears and ausgement Provet stank, oil tank, medicano.	in. Law compression pieson.	Seandard sprea, wheels, carea, H.C. Passen. Q.D. Lighting system	Streetest book, eur. Streeterd tyres, wheels, sask, engine sprootees, suspenden. OD lighting, QD rear wheel,	Sidecar gears as Paged cook, oil cook, coolbox and m	nd suspension, high or low do uniquerds in gray, which chapin	copression physics	90 nor what, 2 or 2
FENISH EQUIPMENT OPTIONAL	cor. 30 Margic crask to Spreedimenter, prillion tootmass, soothicks, tool kile, pump, lin- soruccion book, evo. Prack tank, gold lining	Toefick, pump, instruction book etc. Road game and tyres	Speciameter, pillian frauesits, usoplight, sociliat, purey, re- struction book, rel. Black tank, gold liming	Specimenter, pillion fraceurs, a beat, soc. Sideout genrs and assignment Percet mak, oil tank, moderant, tank panels. As above for un	in. Live compression pisson, or, or, in gray with chrome placed th giver and blue core tents tank.	Standard spres, wheels, case, H.C. Pasen. Q.D. Lighting system	Stretine book, ex- Stretine tyres, wheel, task, engine sprouker, sesperates. QO lighting, QD new wheel, rep. phose, allescer, pillion type- rep. phose, allescer, pillion type-	Peopl unk, oil tink, coolbox and m	nd suspension, high or low go uniquerds in gray, with chaps in gray and blue. Scandard		QD year wheel, 2 or 3 Compacition tink, nov, on
FINISH EQUIPMENT OPTIONAL	cot. 30 Martic cash it Speedementer, pillion toleress, coopingth, sool kits, average, in- survection books, sric. Dick teach, grid lining. Blue cash with circums punels	Toefilit, pump, instruction book etc. Road gams and tyres Socialments, Q.O Lighting set,	Speedemeen, pillen freuerist, sooplight, sookki, pursy, on struction book, rol. Shek tank, pold lining on As Medel 14	Specimenter, pillion fraceurs, a beat, soc. Sideout genrs and assignment Percet mak, oil tank, moderant, tank panels. As above for un	in. Law compression pieson.	Seandard sprea, wheels, carea, H.C. Passen. Q.D. Lighting system	Stretched blook, eur. Standard lyres, wheels, sask, engine spreaches, suspenden. QD lighting, QD rear wheel,	Peopl unk, oil tink, coolbox and m	nd suspension, high or low go uniquerds in gray, with chaps in gray and blue. Scandard	copression physics	QD year wheel, 2 or 3 ;
PINISH EQUIPMENT OPTIONAL OPTIONAL EXTRAS	Specification, pillion lateract, specification, pillion lateract, specification, per process beet, etc. Brack task, gold liming. Blue task with chrome passis. Two-case task in prey and blue.	Toefilit, pump, instruction book etc. Road gams and tyres Socialments, Q.O Lighting set,	Spendamenter, pillion frantrists, scoplight, specifik, purity, sis sovicion book, est. Shek tank, gald liming ————————————————————————————————————	Speedunester, pillign flasoress, s bash, etc. Sidecor genr and suspensis Petrot tank, eti tank, mudgasot tank panti. An tibore but un- Chrome tank pantis, bles byudo	in. Law compression places, or act., in gray with chrome placed th gray and blue two tens tank, or a black tank. QD new wheel,	Standard spres, wheels, case, H.C. Pasen. Q.D. Lighting system	Mrection book, etc. Steedard tyres, wheels, task, engine sprockes, suspenden. QO lighting, QO rear wheel, rep. please, elencer, pillon laderests, steeplight, new, counter.	Peopl task, oil task, coolbox and m As above but with two tase task with bive booking (not Hedel 3). Ook	od suspension, high or low do outgoards in gray, wish chape in gray and blue. Standard and QO rear wheel (not 31 De)	corporate phases we placed that panels and thus bending, block table with chrome placed ponels level. P.C. promo and Stammed pipes.	QD year wheel, 2 or 3 Compacition task, rev. co
FINISH EQUIPMENT OPTIONAL	cot. 30 Martic cash it Speedementer, pillion toleress, coopingth, sool kits, average, in- survection books, sric. Dick teach, grid lining. Blue cash with circums punels	Toefilit, pump, instruction book etc. Road gams and tyres Socialments, Q.O Lighting set,	Speedemeen, pillen freuerist, sooplight, sookki, pursy, on struction book, rol. Shek tank, pold lining on As Medel 14	Speedunester, pillign flasoress, s bash, etc. Sidecor genr and suspensis Petrot tank, eti tank, mudgasot tank panti. An tibore but un- Chrome tank pantis, bles byudo	in. Live compression pisson, or, or, in gray with chrome placed th giver and blue core tents tank.	Standard spres, wheels, case, H.C. Pasen. Q.D. Lighting system	Stretine book, ex- Stretine tyres, wheel, task, engine sprouker, sesperates. QO lighting, QD new wheel, rep. phose, allescer, pillion type- rep. phose, allescer, pillion type-	Peopl unk, oil tink, coolbox and m	od suspension, high or low do outgoards in gray, wish chape in gray and blue. Standard and QO rear wheel (not 31 De)	corporate phases we placed that panels and thus bending, block table with chrome placed ponels level. P.C. promo and Stammed pipes.	QD rear wheel, 2 or 3 g

Guarantee

- 1. In this Guarantee the word " machine " refers to the motor cycle, scooter, motor cycle combination or sidecar as the case may be purchased by the Purchaser.
- 2. In order to obtain the benefit of this Guarantee, the Purchaser must correctly complete the registration form provided with each new A.J.S. Motor cycle and return it to us within fourteen days of the purchase.
- 3. We will supply, free of charge, a new part in exchange for, or, if we consider repair sufficient, will repair free of charge any part proved within six months of the date of purchase of any new machine, or within three months of its renewal or repair in the case of a part already renewed or repaired, to be defective by reason of our faulty workmanship or materials. We do not undertake to bear the cost of fitting such new or repaired part or accessory.
- 4. Any part considered to be defective

must be sent to our Works, carriage paid, accompanied by the following information:

- (a) Name of purchaser and his address (b) Date of purchase of machine
- (c) Name of dealer from where the purchase was made
- (d) Engine and Frame numbers of machine. 5. This Guarantee shall not extend to defects or damage appearing after misuse. neglect, abnormal stress or strain, or the incorporation or affixing of unsuitable
- attachments or parts and in particular:-(a) Hiring out
- (b) Racing and Competitions
- (c) Adaptation or alteration of any part or parts after leaving our Works
- (d) The attaching of a sidecar in a manner not approved by us or to an unsuitable motor cycle.

This Guarantee shall not extend to

machines whose trade mark, name or manufacturing number has been altered or removed, or in which has been used any part not supplied or approved by us, or to tyres, saddles, chains, speedometers, revolution counters and electrical equipment or to parts supplied to the order of the Purchaser and different from our standard specification:

6. Our hability and that of our dealer who sells the machine, shall be limited to that set out in paragraph 3 and no other claims including claims for consequential damage or injury to person or property, shall be admissible.

All other conditions and warranties statutory or otherwise and whether expressed or implied are hereby excluded and no guarantee other than that expressly herein contained applies to the machine to which this Guarantee relates or any accessory or part thereof.



MOTOR CYCLES

(Proprietors: Associated Motor Cycles Ltd.)

PLUMSTEAD ROAD, LONDON S.E.18. ENGLAND

Telephone: WOOlwich 1223

Telegrams: ICANHOPIT LONDON TELEX

Telex No.2-2617