

ARIEL 3

**WARRANTY DEFECT CODE
AND
LABOUR SCHEDULES**



BSA

00-5718

PROCEDURE

Consult this booklet when completing a B.S.A. WARRANTY CREDIT CLAIM to find the appropriate Code Description (pages 3—9) and write or type only the corresponding number in the "Defect Code" space on the claim.

Find the Labour Allowance Code Number (page 10) for the rectification work carried out and write or type only the number in the "Labour Allowance Code No." space.

OWNER'S SIGNATURE

Complete all other spaces on the CLAIM and remember to have the owner sign in the "Satisfaction" space.

PROMPT CREDITS ARE ALWAYS POSSIBLE WHEN YOU

Make clear entries, either in type or with a ball point pen. Check that all information is accurate, are sure that no violation of the Warranty Terms exist and that subsequent examination of parts will support the Claim in the event of a query.

CONDITIONS

This Warranty Code and Labour Schedule is effective for all models subject to the terms and conditions of Sale and Warranty as defined in current M/DS Agreements in force (Clauses 8 and 9 refer) and published by B.S.A. Motor Cycles Ltd., Armoury Road, Birmingham 11.

- - KNOW YOUR WARRANTY TERMS AND USE GENUINE B.S.A. PARTS - -

DEALER PRE-DELIVERY SERVICE

The following tasks must be completed before making delivery of a new B.S.A. motor cycle:

- (1) CHECK AND IF NECESSARY CLEAN AND ADJUST SPARKING PLUG
- (2) CHECK AND ADJUST TYRE PRESSURES
- (3) CHECK ALL EXTERNAL NUTS AND BOLTS
- (4) CHECK ALL LIGHTS AND HORN
- (5) CHECK AND IF NECESSARY ADJUST CONTROLS AND CABLES
- (6) APPLY GREASE AT ALL GREASE POINTS
- (7) TEST MACHINE ON ROAD TO ENSURE FULL ROAD WORTHINESS
- (8) REPORT ANY PROBLEMS TO B.S.A. SERVICE DEPARTMENT **BEFORE DELIVERY**
- (9) SIGN AND RETURN PRE-DELIVERY CHECK CARD

Failure to carry out these checks or to sign and return the pre-delivery check card will nullify arrangements for the payment of guarantee labour costs.

300 MILE FREE SERVICE CHECK

- (A) CHECK AND IF NECESSARY ADJUST:
 - (1) CONTACT BREAKER POINTS
 - (2) SPARKING PLUG
 - (3) TORSION BARS
 - (4) BRAKES
 - (5) STEERING HEAD
 - (6) DRIVE CHAIN
 - (7) TYRE PRESSURES
- (B) TIGHTEN ALL EXTERNAL NUTS AND BOLTS INCLUDING CYLINDER BOLTS
- (C) CHECK LIGHTS AND HORN
- (D) CLEAN OUT CARBURETTER AND ADJUST MIXTURE
- (E) ADJUST AND LUBRICATE ALL CABLES
- (F) GREASE ALL NIPPLES
- (G) TEST MACHINE ON ROAD

Materials are chargeable to customer.

Having carried out this service please obtain customers signature on Guarantee Card, Section 2 — complete details and post to factory Service Department.

WARRANTY DEFECT CODE

DESCRIPTION CODE

ENGINE UNIT

ENGINE CONTAMINATED 1301
 ENGINE VIBRATION 1302

CYLINDER HEAD

CYLINDER HEAD LEAK 1107
 CYLINDER HEAD CRACKED 1108
 CYLINDER HEAD DISTORTED 1109
 CYLINDER HEAD POROUS 1110
 CYLINDER HEAD SPARK PLUG THREAD STRIPPED 1111
 DECOMPRESSOR LEAKING 3811

PISTONS

PISTON RINGS WORN 2701
 PISTON RINGS BROKEN... .. 2702
 PISTON CRACKED 2705
 PISTON GUDGEON PIN BROKEN 2706
 PISTON NOISY 2707
 PISTON CROWN BURNED 2708
 PISTON BROKEN UP 2709

DESCRIPTION CODE

Pistons—Continued

PISTON CIRCLIP OMITTED 2710
 PISTON SCORED 2711
 PISTON SEIZED 2712

CYLINDER BARREL

CYLINDER BARREL WORN 1101
 CYLINDER BARREL SCORED 1102
 CYLINDER BARREL CRACKED 1103
 CYLINDER BARREL POROUS 1104
 CYLINDER HOLDING STUDS BROKEN 1107

CONNECTING RODS

CON ROD BIG-END BEARINGS SCORED 0601
 CON ROD BIG-END BEARING WORN 0602
 CON ROD BIG-END BEARING SEIZED 0603
 CON ROD SMALL-END BEARING WORN 0604
 CON ROD SMALL-END BEARING SEIZED 0605
 CON ROD BROKEN 0606
 CON ROD BENT 0607

DESCRIPTION	CODE
CRANKSHAFT AND FLYWHEEL ASSEMBLY	
CRANKSHAFT OUT OF BALANCE	0816
CRANKSHAFT BROKEN	0817
ROTOR NUT LOOSE	0818
MAIN BEARINGS	
MAIN BEARING (LEFT-HAND) WORN	0801
MAIN BEARING (LEFT-HAND) SEIZED	0802
MAIN BEARING (RIGHT-HAND) WORN	0807
MAIN BEARING (RIGHT-HAND) SEIZED	0808
CRANKCASE	
CRANKCASE CORRODED	0701
CRANKCASE DISTORTED	0702
CRANKCASE CRACKED	0703
CRANKCASE POROUS	0704
PRIMARY DRIVE	
PRIMARY CHAIN STRETCHED	2801
PRIMARY CHAIN BROKEN	2802
PRIMARY DRIVE MISALIGNED	2804
PRIMARY CHAINCASE CRACKED	2808
PRIMARY DRIVE BELT BROKEN	2809
PRIMARY DRIVE BELT SLIP	2810

DESCRIPTION	CODE
CLUTCH	
CLUTCH SLIP	0501
CLUTCH DRAG:	0502
CLUTCH SCREWS LOOSE	0503
CLUTCH CENTRE LOOSE	0504
CLUTCH BEARING SEIZED	0505
CLUTCH BEARING WORN	0506
CLUTCH CHAINWHEEL WORN	0507
CLUTCH SPIDER BROKEN	0508
CLUTCH KEY SHEARED	0509
CLUTCH SPRING BROKEN	0511
FUEL TANK AND FITTINGS	
FUEL TANK LEAK	1702
FUEL TANK CAP BROKEN	1705
FUEL TANK PAINT LIFTED	1706
FUEL TANK PAINT STAINED	1707
FUEL TANK PAINT FADED	1708
FUEL TANK TAP DEFECTIVE	1712
FUEL PIPE LEAK	1713
FUEL PIPE OBSTRUCTED	1714
FUEL TANK MOUNTING BRACKETS BROKEN ...	1717

DESCRIPTION CODE

SEAT

SEAT PAN CRACKED 3301
SEAT FABRIC DEFECT: 3302
SEAT MOUNTING LOOSE 3303
SEAT FORK DISTORTED 3304

REAR PIVOT ASSEMBLY

TORSION BAR BROKEN 5701
TORSION BAR TRUNNION BROKEN... .. 5702
REAR PIVOT BLOCK BROKEN 5703
REAR PIVOT KING-PIN SEIZED 5704
REAR PIVOT SILENT BLOC COLLAPSED 5705

REAR WHEEL

WHEEL HUB (REAR) CRACKED 3906
WHEEL BEARINGS (REAR) WORN 3908
WHEEL SPROCKET WORN 3909
WHEEL SPROCKET ECCENTRIC 3910
WHEEL SPROCKET DRIVE SPLINES WORN... .. 3911
WHEEL SPINDLE (REAR) BROKEN 3914
WHEEL STUB SPINDLE (REAR) BROKEN 3915

DESCRIPTION CODE

Rear Wheel—Continued

WHEEL (REAR) BUCKLED: 3918
WHEEL (DRIVE) FRACTURED 3919
WHEEL (NON-DRIVE) FRACTURED 3920
AXLE BEAM BROKEN 3921

REAR BRAKE

BRAKE SHOE SPRING (REAR) BROKEN 0102
BRAKE (REAR) SQUEAL 0106
BRAKE (REAR) FADE 0107
BRAKE (REAR) SNATCH 0108
BRAKE LEVER CRACKED 0109

DRIVE AND PEDAL CHAINS

REAR CHAIN WORN 3101
REAR CHAIN BROKEN 3102
PEDAL CHAIN WORN 3103
PEDAL CHAIN BROKEN 3104
PEDAL CRANK (RIGHT-HAND) BROKEN 3105
PEDAL CRANK CHROME LIFT 3106
PEDAL CRANK (LEFT-HAND) BROKEN 3107

DESCRIPTION	CODE
Drive and Pedal Chains—Continued	
PEDAL BROKEN	3108
PEDAL CHAIN TENSIONER ROLLERS SEIZED ...	3109
PEDAL CHAIN TENSIONER SPRING BROKEN ...	3110
PEDAL CHAIN TENSIONER BROKEN... ..	3111
PEDAL CRANK CHAINWHEEL BROKEN	3112
PEDAL CHAIN FREEWHEEL BROKEN	3113
REAR CHAINGUARD	
CHAINGUARD CRACKED	1001
CHAINGUARD BRACKET BROKEN	1002
FRAME	
FRAME WELD POOR FINISH	1601
FRAME WELD CRACKED	1602
FRAME CRACKED	1603
FRAME MISALIGNED	1607
FRAME HEAD CUPS LOOSE	1608
FRAME HEAD CUPS CRACKED	1609
FRAME HEAD CUPS PITTED	1610
SUB-FRAME BROKEN	1614
FRONT FAIRING CRACKED	1615
REAR FAIRING CRACKED	1616

DESCRIPTION	CODE
FRONT FORKS	
FORKS STIFF	1503
FORKS FLEXING	1507
STEERING HEAD STIFF	3502
FRONT FORK MEMBER BROKEN	3505
HANDLEBARS	
HANDLEBAR AND LEVER INSECURE... ..	1901
HANDLEBAR AND LEVER CHROME LIFT	1902
HANDLEBAR STEM BROKEN	1904
HANDLEBAR STEM CHROME LIFT	1905
FRONT MUDGUARD	
MUDGUARD (FRONT) MISALIGNED	2101
MUDGUARD (FRONT) CRACKED	2102
MUDGUARD (FRONT) INSECURE	2103
MUDGUARD (FRONT) FOULING	2104
FRONT WHEEL	
WHEEL HUB (FRONT) CRACKED	3905
WHEEL BEARINGS (FRONT) WORN:... ..	3907

DESCRIPTION CODE

Front Wheel—Continued

WHEEL OUT OF BALANCE 3912
WHEEL SPINDLE (FRONT) BROKEN 3913
WHEEL (FRONT) BUCKLED 3917
WHEEL (FRONT) FRACTURED 3922

FRONT BRAKE

BRAKE SHOE SPRING (FRONT) BROKEN 0101
BRAKE (FRONT) SQUEAL 0103
BRAKE (FRONT) FADE 0104
BRAKE (FRONT) SNATCH: 0105
BRAKE SHOE (FRONT) FOULS PLATE 0111
FRONT BRAKE LEVER CRACKED 0113

EXHAUST PIPES

EXHAUST PIPE BRACKET BROKEN 1201
EXHAUST PIPE LEAKING 1205

SILENCERS

SILENCER NOISY 3401
SILENCER MOUNTING BROKEN 3402
SILENCER BODY CRACKED 3403
SILENCER BAFFLES LOOSE 3404

DESCRIPTION CODE

OIL LEAKS — ENGINE

OIL LEAK CRANKCASE CENTRE JOINT 2201
OIL LEAK BARREL CRANKCASE JOINT 2205
OIL LEAK CRANKCASE BLANKS 2206
OIL LEAK CRANKCASE SEALS 2207

FASTENING NUTS, BOLTS, WASHERS, RIVETS etc.

FASTENER BOLTS LOOSE 1401
FASTENER BOLTS STRIPPED 1402
FASTENER BOLTS BROKEN 1403
FASTENER BOLTS MISSING 1404
FASTENER WASHERS WRONG 1405
FASTENER WASHERS MISSING 1406
FASTENER NUTS LOOSE 1407
FASTENER NUTS STRIPPED 1408
FASTENER NUTS MISSING 1409
FASTENER RIVETS LOOSE 1410

CARBURATION

CARBURATION WEAK 0401
CARBURATION RICH 0402

DESCRIPTION	CODE
Carburation—Continuation	
CARBURATION ERRATIC	0403
CARBURETTER SLIDE STICKS	0404
CARBURETTER LEAKING	0405
AIR FILTER BROKEN	0406

CONTROLS

BRAKE CABLE WIRE BROKEN	0201
BRAKE CABLE NIPPLE ADRIFT	0202
BRAKE CABLE OUTER CASE DAMAGE	0203
THROTTLE CABLE NIPPLE ADRIFT	0211
THROTTLE CABLE OUTER CASE DAMAGED	0212
THROTTLE CABLE WIRE BROKEN	0213
CHOKE CABLE NIPPLE ADRIFT	0214
CHOKE CABLE OUTER CASE DAMAGED	0215
CHOKE CABLE WIRE BROKEN	0216
DECOMPRESSOR CABLE BROKEN	0218

DESCRIPTION	CODE
TYRES	

TYRE TREAD LIFTING	5501
TYRE WALL CRACKED	5502

PACKING

PACKING SHORTAGE	2601
PACKING LOSS IN TRANSIT	2602
PACKING CONTENT DAMAGE	2603
PACKING CASE AND CONTENTS DAMAGE	2604

ELECTRICAL EQUIPMENT

ALTERNATOR NO OUTPUT:	4101
ALTERNATOR COILS LOOSE	4102
ALTERNATOR FOULING STATOR	4103
ALTERNATOR N.C.D.	4104
COIL MISFIRES	4401
COIL DAMAGED	4402
COIL NO SPARK	4403
COIL N.C.D.	4404
CONTACT BREAKER N.C.D.	4504
CONDENSER DEFECT	4601

DESCRIPTION CODE

Electrical Equipment—Continued

HORN NO NOTE:...	4801
HORN N.C.D. ...	4802
HORN BRACKET BROKEN ...	4803
HARNESS OPEN-CIRCUIT ...	4901
HARNESS SHORT-CIRCUIT ...	4902
HARNESS N.C.D. ...	4904
HEADLAMP CONNECTION DEFECT ...	5001
HEADLAMP N.C.D. ...	5002
REAR LAMP DEFECT ...	5505
LIGHTING SWITCH OPEN-CIRCUIT ...	5204
LIGHTING SWITCH N.C.D. ...	5205
BULB BURNT OUT:	
MAIN ...	5601
TAIL ...	5603

DESCRIPTION CODE

SPEEDOMETER AND DRIVE

SPEEDOMETER ERRATIC ...	5401
SPEEDOMETER NIL READING ...	5402
SPEEDOMETER N.C.D. ...	5403
SPEEDOMETER DRIVE GEARBOX TURNED:...	5404
SPEEDOMETER DRIVE GEARBOX SEIZED ...	5405
SPEEDOMETER DRIVE GEARBOX N.C.D. ...	5406
SPEEDOMETER CABLE WIRE BROKEN ...	0209
SPEEDOMETER CABLE OUTER CASE DAMAGE ...	0210
SPEEDOMETER BRACKET BROKEN ...	5407

MISCELLANEOUS

NON-CODED DEFECT ...	4001
DEFECTIVE SPARE PART ...	2605

Note: N.C.D. — NON-CODED DEFECT

LABOUR ALLOWANCE CODE KEY

Code No.	£ s. d.	Code No.	£ s. d.	Code No.	£ s. d.
01	4 0	13	2 0 0	25	4 10 0
02	8 0	14	2 2 0	26	6 0 0
03	12 0	15	2 5 0	27	6 15 0
04	15 0	16	2 11 0	28	8 5 0
05	19 0	17	2 13 0	29	10 10 0
06	1 0 0	18	2 14 0	30	11 5 0
07	1 3 0	19	2 17 0	31	12 0 0
08	1 7 0	20	3 0 0	32	12 15 0
09	1 10 0	21	3 4 0	33	13 10 0
10	1 14 0	22	3 8 0	34	14 5 0
11	1 17 0	23	3 12 0		
12	1 18 0	24	3 15 0		

WARRANTY LABOUR CODE SCHEDULES

OPERATION DESCRIPTION	ARIEL 3
	Labour Allowance Code Number
ENGINE AND TRANSMISSION	
AXLE BEAM — REMOVE AND REPLACE	09
CARBURETTOR AIR FILTER ASSEMBLY — REMOVE AND REPLACE	01
CLUTCH ASSEMBLY — REMOVE AND REPLACE	04
CYLINDER BARREL ASSEMBLY — REMOVE AND REPLACE	02
CYLINDER BARREL ASSEMBLY — REMOVE AND FIT NEW PISTON RINGS	03
CYLINDER BARREL ASSEMBLY — REMOVE AND FIT NEW PISTON AND RINGS	04
CYLINDER HEAD ASSEMBLY — REMOVE AND REPLACE	01
CYLINDER DECOMPRESSOR — REMOVE AND REPLACE	01
DRIVE BELT — ADJUST	01
DRIVE BELT — REMOVE AND REPLACE	02
DRIVE CHAIN — REMOVE AND REPLACE	02
PEDAL CHAIN — REMOVE AND REPLACE	02
PEDAL CHAIN TENSIONER — REMOVE AND REPLACE	02
ENGINE UNIT CHANGE — REMOVE FROM FRAME, REPLACEMENT, PREPARATION FOR ROAD TEST AND ADJUSTMENT. HANDLING AND SHIPMENT	05

WARRANTY LABOUR CODE SCHEDULES

OPERATION DESCRIPTION	ARIEL 3 Labour Allowance Code Number
ENGINE AND TRANSMISSION —Continued	
ENGINE UNIT — COMPLETE DIS-ASSEMBLY, EXAMINATION OF PARTS, CLEAN AND RELUBRICATE. REASSEMBLE WITH NEW PARTS WHERE NECESSARY. INCLUSIVE OF OPERATIONS SHOWN UNDER "ENGINE UNIT CHANGE"	22
FRAME AND CYCLE PARTS etc.	
CABLE, REAR BRAKE — REMOVE AND REPLACE	01
CABLE, FRONT BRAKE — REMOVE AND REPLACE	01
CABLE, AIR SLIDE — REMOVE AND REPLACE	01
CABLE, DECOMPRESSOR — REMOVE AND REPLACE	01
CABLE, THROTTLE — REMOVE AND REPLACE	01
CHAINGUARD — REMOVE AND REPLACE	03
EXHAUST PIPE — REMOVE AND REPLACE	02
FORK ASSEMBLY — REMOVE AND REPLACE	07
FORK ASSEMBLY — REMOVE AND REPLACE SUSPENSION UNIT	04
FRAME — REMOVE AND REPLACE	22
REAR SUB-FRAME — REMOVE AND REPLACE	04
FUEL TANK ASSEMBLY — REMOVE AND REPLACE	01

WARRANTY LABOUR CODE SCHEDULES

OPERATION DESCRIPTION	ARIEL 3
	Labour Allowance Code Number
FRAME AND CYCLE PARTS etc.—continued	
FAIRING, REAR — REMOVE AND REPLACE	02
FAIRING, FRONT — REMOVE AND REPLACE	01
HANDLEBAR — REMOVE AND REPLACE	02
HANDLEBAR STEM — REMOVE AND REPLACE	03
HAND LEVER, BRAKE — REMOVE AND REPLACE	01
MUDGUARD, FRONT — REMOVE AND REPLACE	02
SEAT ASSEMBLY — REMOVE AND REPLACE	01
SILENCER — REMOVE AND REPLACE	02
STEERING HEAD BEARINGS — REMOVE AND REPLACE	07
TWIST GRIP — REMOVE AND REPLACE	01
WHEEL ASSEMBLY, FRONT — REMOVE, EXCHANGE BEARINGS AND REPLACE	03
WHEEL ASSEMBLY, FRONT — REMOVE, EXCHANGE BRAKE PARTS AND REPLACE	02
WHEEL ASSEMBLY, REAR — REMOVE, EXCHANGE BEARINGS AND REPLACE (EITHER OR BOTH)	04
WHEEL ASSEMBLY, REAR — REMOVE, EXCHANGE BRAKE PARTS AND REPLACE	02

WARRANTY LABOUR CODE SCHEDULES

OPERATION DESCRIPTION	ARIEL 3
	Labour Allowance Code Number
FRAME AND CYCLE PARTS etc.—Continued	
TORSION BARS — REMOVE AND REPLACE BOTH	07
TORSION BARS — REMOVE AND REPLACE ONE	06
TORSION BAR TRUNNION — REMOVE AND REPLACE	07
REAR PIVOT BLOCK — REMOVE AND REPLACE	10
PROPRIETARY PARTS	
MAGNETO — REMOVE AND REPLACE	03
CABLE HARNESS — REMOVE AND REPLACE	02
CARBURETTER — REMOVE AND REPLACE	02
HEADLAMP ASSEMBLY — REMOVE AND REPLACE	01
REAR LAMP ASSEMBLY — REMOVE AND REPLACE	01
HORN ASSEMBLY — REMOVE AND REPLACE	01
HORN AND HEADLIGHT SWITCH — REMOVE AND REPLACE	01
IGNITION CONDENSER — REMOVE AND REPLACE	02
IGNITION CONTACT BREAKER ASSEMBLY — REMOVE AND REPLACE	02