

Shell Service Guide

Ride Shell

Shell recommend the complete range of their lubricants for all these machines

Honda

C50, C70, C90
SS50Z
CB125S
SL125, XL250
CD175
CB200, CB250
CB360, CB400F
CB500 Four
CB500 Twin
CB750 Four
GL1000 Gold Wing

Kawasaki

G7T 100cc
KS125
SI 250cc, S3 400cc
HI 500cc, H2 750cc
KZ400
Z1 900cc

Puch

M50
Maxi

Suzuki

FR50, FR70
A50, A100, B120
GT125, GT185, GT250
TS100, TS125, TS250
T500
GT380, GT550
GT750

Yamaha

FSIE
V50, V70A, V90
RS100, RS125
YGIF, YB100
RD125, RD200,
RD250, RD350
DT125, DT175, DT250
XS500, XS650

Norton/Triumph

Triumph twins
500cc, 650cc, 750cc
Norton twins 850cc
Triumph Tridents 750cc



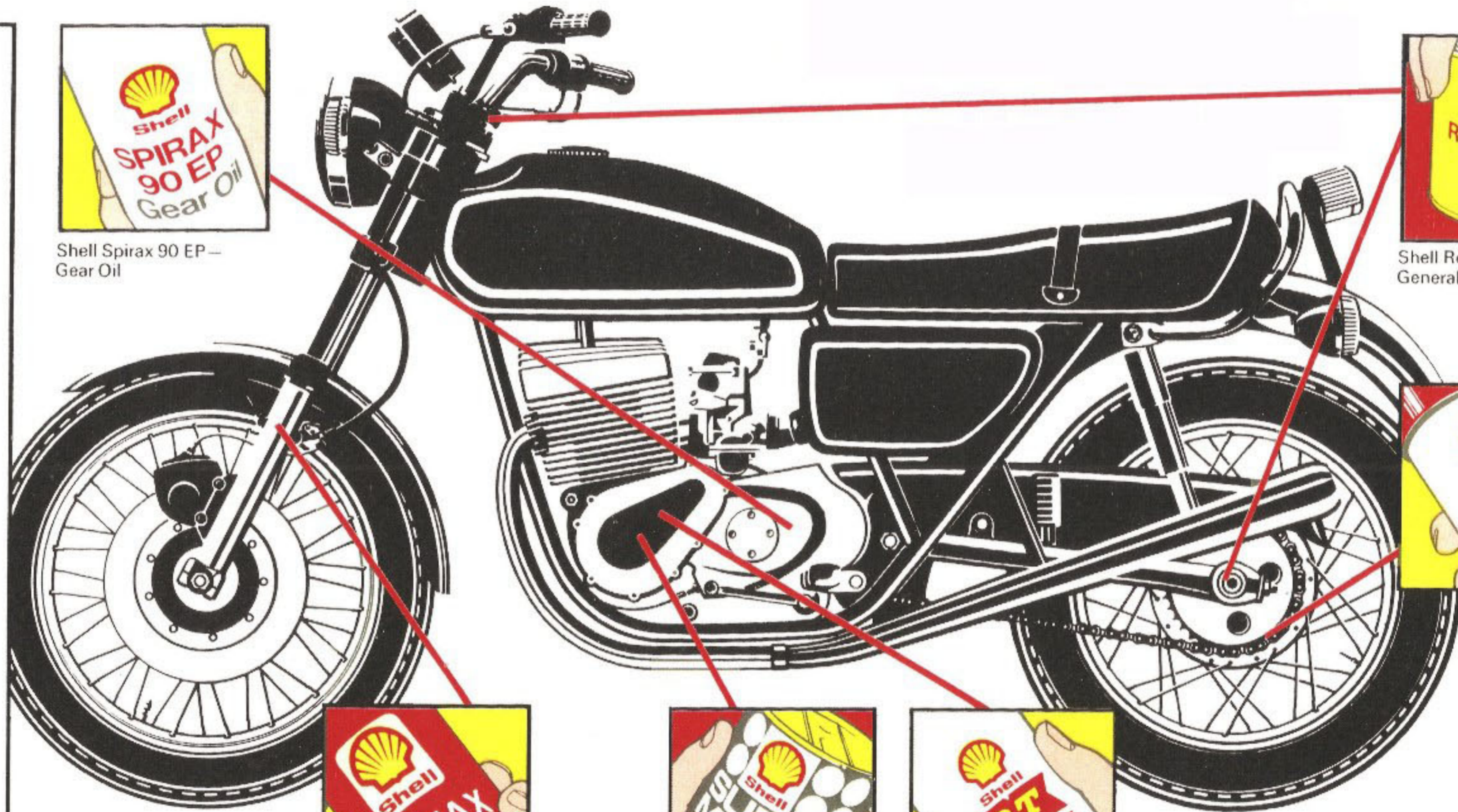
Shell Spirax 90 EP – Gear Oil



Shell Retinax A – General Purpose Grease



Shell Chain Lubricant – Chain Oil



Shell Donax T7 – Oil for Forks



Shell Super Multigrade – 4 Stroke Engine Oil



Shell 2T – 2 Stroke Engine Oil

Shell
Motor Oils



SERVICE INFORMATION



Kawasaki S1 250, S3 400, KH 250 B1, KH 400 A3

Daily maintenance: Service A
Every 2,000 miles: Service B
Every 4,000 miles: Service C

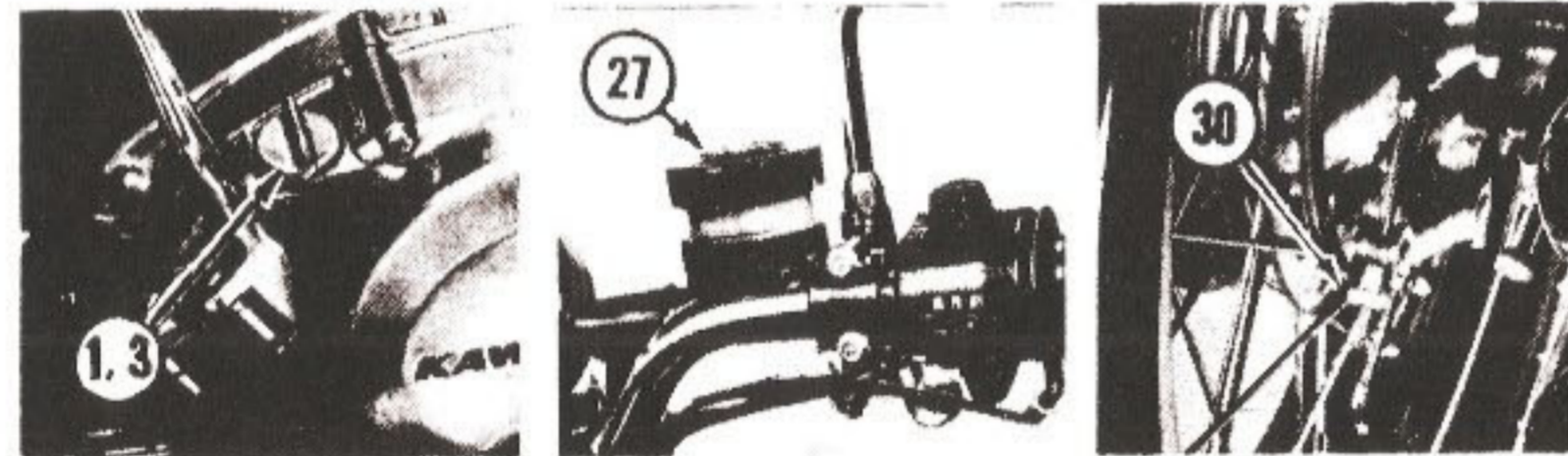
Every 2 years or 12,000 miles: Service D
T: Tuning operations

ENGINE/TRANSMISSION SERVICE

- | | |
|---|-------|
| 1 Oil tank: check, top-up | ABCD |
| 2 Gearbox: drain, refill | BCD |
| 3 Gearbox: check, top-up | A |
| 4 Drive chain: lubricate (see remarks) | ABCD |
| 5 Throttle twistgrip: grease | BCD |
| 6 Clutch lever and cable: lubricate with motor oil | BCD |
| 7 Kickstart and gearchange lever pivots: lubricate with motor oil | BCD |
| 8 Spark plugs: clean, adjust gap, renew if necessary | T BCD |
| 9 Contact points: adjust gap | T BCD |
| 10 Ignition: check timing | T BCD |
| 11 Air cleaner: renew element (see remarks) | CD |
| 12 Air cleaner: clean element | B |
| 13 Fuel tap: clean filter and bowl, if water present clean float chambers | BCD |
| 14 Carburettor(s): adjust | T BCD |
| 15 Throttle twistgrip: check for smooth operation, adjust free play | ABCD |
| 16 Oil pump: check, adjust | BCD |
| 17 Clutch: check operation and adjustment | ABCD |
| 18 Sprockets: check condition and security | ABCD |
| 19 Drive chain: check condition and tension | ABCD |
| 20 Engine: check for abnormal noises | ABCD |
| 21 Nuts and bolts: check tightness | ABCD |

WHEELS AND BRAKES SERVICE

- | | |
|---|------|
| 22 Wheel bearings: grease | D |
| 23 Speedo drive unit: grease | D |
| 24 Drum brake camshafts: grease | D |
| 25 Brake controls, cables and linkage: lubricate with motor oil | BCD |
| 26 Brake fluid: drain and refill (see remarks) | CD |
| 27 Brake fluid reservoir: check, top-up | ABCD |
| 28 Brake hydraulic system: check condition, check for leaks | ABCD |
| 29 Front brake lever: check free play | ABCD |
| 30 Drum brakes: check adjustment | ABCD |
| 31 Drum brake linings: check condition (wear indicator fitted) | ABCD |
| 32 Disc brake pads: check condition | ABCD |
| 33 Wheel spokes: check condition and tension | ABCD |
| 34 Wheels: check rim runout | BCD |
| 35 Wheel nuts: check tightness | ABCD |
| 36 Tyres: check condition and pressures | ABCD |

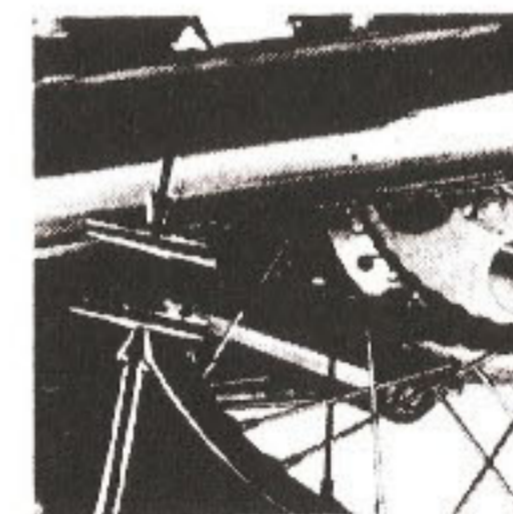


FRAME SERVICE

- | | |
|---|------|
| 37 Battery: top-up | ABCD |
| 38 Front forks: drain and refill (see remarks) | CD |
| 39 Front forks: check oil level | CD |
| 40 Swinging fork pivot: grease | BCD |
| 41 Steering head bearings: grease | D |
| 42 Centre and side stand pivots: lubricate with motor oil | BCD |
| 43 Steering: check for free operation | ABCD |
| 44 Steering head bearings: check adjustment | CD |
| 45 Front forks and rear dampers: check operation, check for oil leaks | ABCD |
| 46 Electrical equipment and instruments: check operation | ABCD |
| 47 Nuts and bolts: check tightness | ABCD |

REMARKS

- | |
|--|
| 4 Drive chain: lubricate every 500 miles |
| 11 Air cleaner: renew element every 6,000 miles |
| 38 Front forks: drain and refill every 6,000 miles |
| 26 Brake fluid: drain and refill every year or 6,000 miles |



19 20-25mm (0.8-1.0in)

CAPACITIES/LUBRICANTS

Engine oil tank	1.5 ltr (2.6 pt)	Shell 2T Two Stroke Oil
Gearbox	1.1 ltr (2.0 pt)	Shell Super Multigrade Motor Oil
Front forks	S1, 206-214cc S3, 141-149cc	Shell Donax T7 Shell Donax T7
Drive chain		Shell Chain Lubricant
Brake fluid		DOT 3
Grease points		Shell Retinax A
Fuel tank	14 ltr (3.1 gal)	

SERVICE PARTS

Air cleaner	11013-026	
Spark plugs	250 S1, KH250 B1 400 S3, KH400 A3	NGK B-9HS NGK B-8HS
Battery	Furukawa 12N55-4A	
Bulbs - head	12v 35/35w	
stop/tail indicator	12v 21/5w 12v 21w	

TYRES

Size	Front	Rear
250 S1, KH250 B1	3.00S-18	3.25S-18
400 S3, KH400 A3	3.25S-18	3.50S-18

Pressures (a) 1.7 kg/cm² (24 psi) 2.2 kg/cm² (31 psi)

(a) Cold, for solo riding at normal speeds.

ADJUSTMENT DATA

Spark plug	gap	0.7mm (0.028in)
Contact breaker (b)	gap	0.35mm (0.014in)
Ignition timing	BTDC	23° or 2.60mm (0.104in)
Rear brake pedal	free play	20-30mm (0.8-1.2in)
Drive chain	free movement (a)	20-25mm (0.8-1.0in)

(a) With machine on centre stand

(b) KH 400 has CD1 system

Shell Motor Oils