

# 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



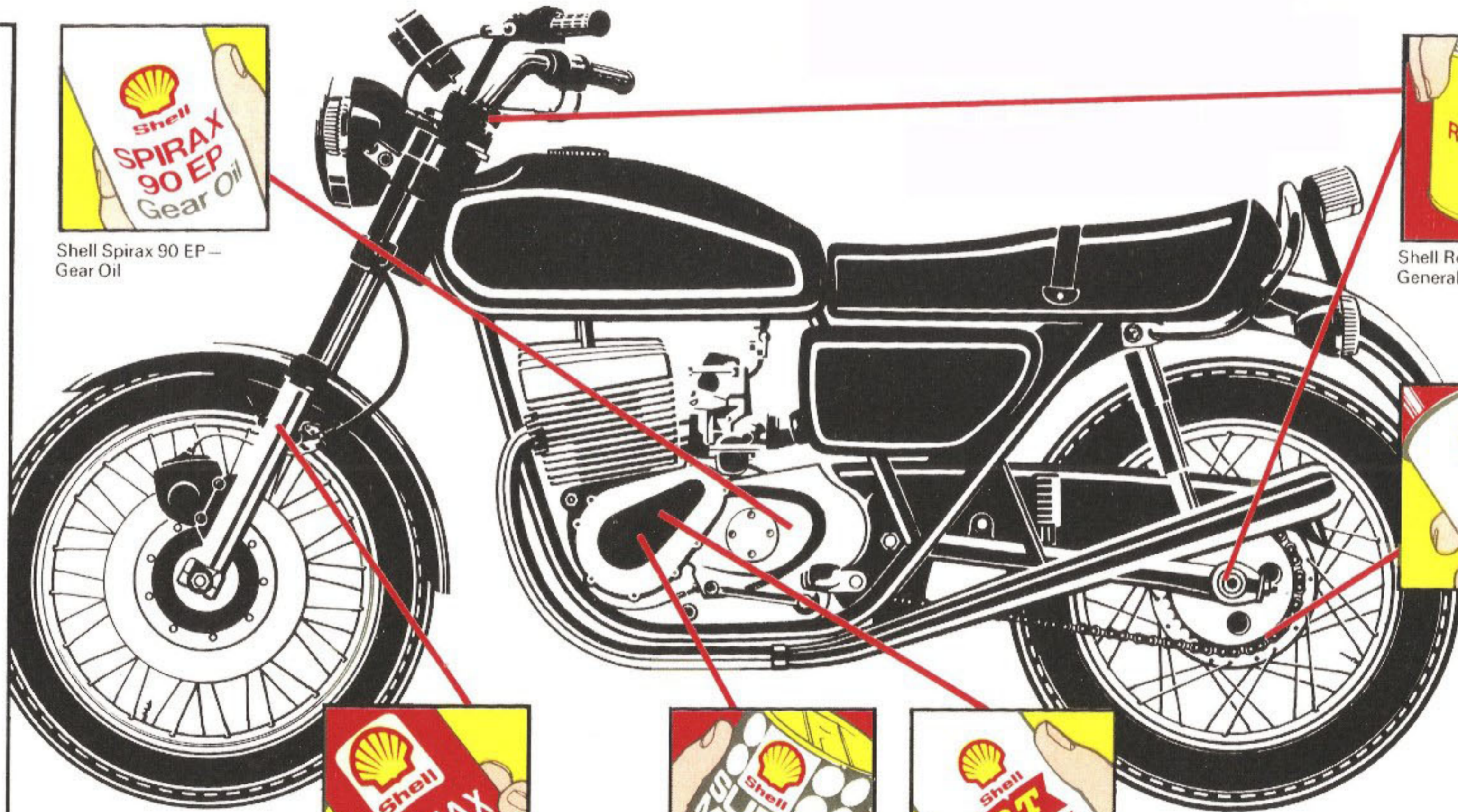
Shell Spirax 90 EP – Gear Oil



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

500 H1, KH 500 A8, 750 H2

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

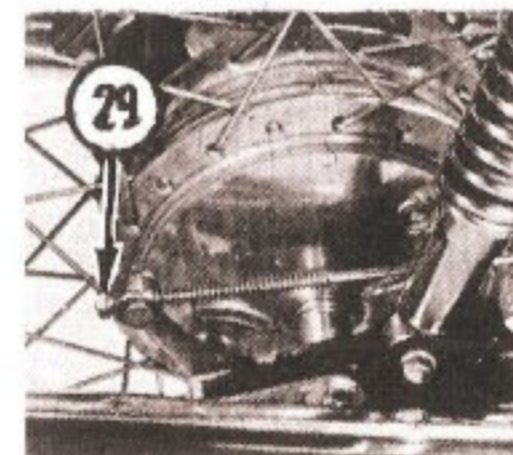
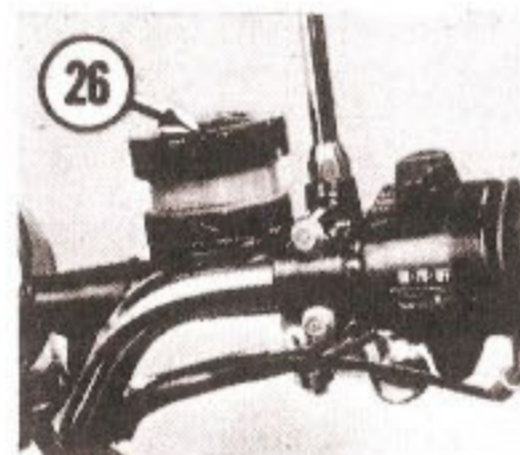
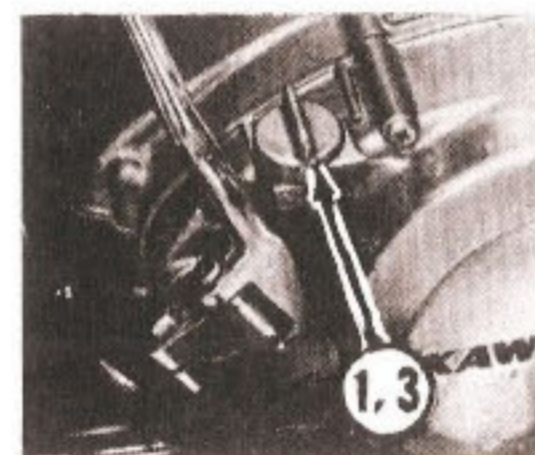


## ENGINE/TRANSMISSION SERVICE

- |   |       |
|---|-------|
| 1 Oil tank: check, top-up   | ABCD  |
| 2 Gearbox: drain, refill  | BCD   |
| 3 Gearbox: check, top-up  | A     |
| 4 Drive chain: lubricate (see remarks)  | BCD   |
| 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 Ignition: check timing  | T BCD |
| 10 Air cleaner: renew element (see remarks)                                       | CD    |
| 11 Air cleaner: clean element (re-oil wet type)                                   | BCD   |
| 12 Fuel tap: clean filter and bowl, if water present present clean float chambers | BCD   |
| 13 Carburettor(s): adjust   | T BCD |
| 14 Throttle twistgrip: check for smooth operation, adjust free play               | ABCD  |
| 15 Oil pump: check, adjust  | BCD   |
| 16 Clutch: check operation and adjustment   | ABCD  |
| 17 Sprockets: check condition and security  | ABCD  |
| 18 Drive chain: check condition and tension                                       | ABCD  |
| 19 Engine: check for abnormal noises  | ABCD  |
| 20 Nuts and bolts: check tightness  | ABCD  |

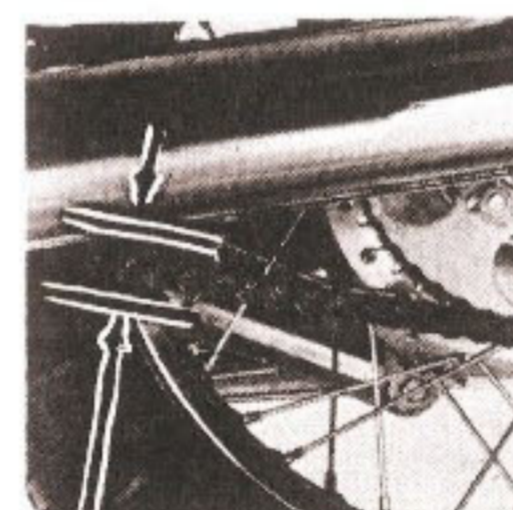
## WHEELS AND BRAKES SERVICE

- |   |      |
|---|------|
| 21 Wheel bearings: grease                                       | D    |
| 22 Speedo drive unit: grease                                    | D    |
| 23 Drum brake camshafts: grease                                 | D    |
| 24 Brake controls, cables and linkage: lubricate with motor oil | BCD  |
| 25 Brake fluid: drain and refill (see remarks)                  | CD   |
| 26 Brake fluid reservoir: check, top-up                         | ABCD |
| 27 Brake hydraulic system: check condition, check for leaks     | ABCD |
| 28 Front brake lever: check free play                           | ABCD |
| 29 Drum brakes: check adjustment                                | ABCD |
| 30 Drum brake linings: check condition (wear indicator fitted)  | ABCD |
| 31 Disc brake pads: check condition                             | ABCD |
| 32 Wheel spokes: check condition and tension                    | ABCD |
| 33 Wheels: check rim runout                                     | BCD  |
| 34 Wheel nuts: check tightness                                  | ABCD |
| 35 Tyres: check condition and pressures                         | ABCD |



## FRAME SERVICE

- |   |      |
|---|------|
| 36 Battery: top-up  | ABCD |
| 37 Front forks: drain and refill (see remarks)                        | CD   |
| 38 Front forks: check oil level                                       | CD   |
| 39 Swinging fork pivot: grease  | BCD  |
| 40 Steering head bearings: grease                                     | D    |
| 41 Centre and side stand pivots: lubricate with motor oil             | BCD  |
| 42 Steering: check for free operation                                 | ABCD |
| 43 Steering head bearings: check adjustment                           | CD   |
| 44 Front forks and rear dampers: check operation, check for oil leaks | ABCD |
| 45 Electrical equipment and instruments: check operation              | ABCD |
| 46 Nuts and bolts: check tightness                                    | ABCD |



18 20-25mm (0.8-1.0in)

## REMARKS

- |  |
|--|
| 4 Drive chain: lubricate every 500 miles                   |
| 10 Air cleaner: renew element every 6,000 miles            |
| 37 Front forks: drain and refill every 6,000 miles         |
| 25 Brake fluid: drain and refill every year or 6,000 miles |

## CAPACITIES/LUBRICANTS

Engine Oil Tank		
500 H1, KH500 A8	2.3 ltr (4.0 pt)	Shell 2T Two-Stroke Oil
750 H2	2.0 ltr (3.5 pt)	Shell 2T Two-Stroke Oil
Gearbox		
500 H1, KH500 A8	1.2 ltr (2.1 pt)	Shell Super Multigrade Motor Oil
750 H2	1.4 ltr (2.5 pt)	Shell Super Multigrade Motor Oil
Front forks	H1, 166-174cc	Shell Donax T7
	H2, 171-179cc	Shell Donax T7
Drive chain		Shell Chain Lubricant
Brake fluid		DOT 3
Grease points		Shell Retinax A
Fuel tank		
500 H1, KH500 A8	16 ltr (3.5 gal)	
750 H2	17 ltr (3.7 gal)	

## SERVICE PARTS

	500 H1, KH500 A8	750 H2
Air cleaner	11013-019	11013-033
Spark plugs	NGK B-9HS	NGK B-9HS
Battery	Yuasa 12N9-3B	Furukawa 12N5.5-4A
Bulbs - head	12v 35/35w	12v 35/35w
stop/tail	12v 21/5w	12v 21/5w
indicator	12v 21w	12v 21w

## TYRES

	Front	Rear
Size	3.25H-19	4.00H-18
Pressures (a)	1.8 kg/cm <sup>2</sup> (26 psi)	2.2 kg/cm <sup>2</sup> (31 psi)

(a) Cold, for solo riding at normal speeds

## ADJUSTMENT DATA

Spark plug	gap	1.0mm (0.039in)
Ignition timing	BTDC	H1, 23° at 4000rpm or 2.94mm (0.116in) H2, 23° at 4000rpm or 3.14mm (0.123in)
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

# Shell Motor Oils