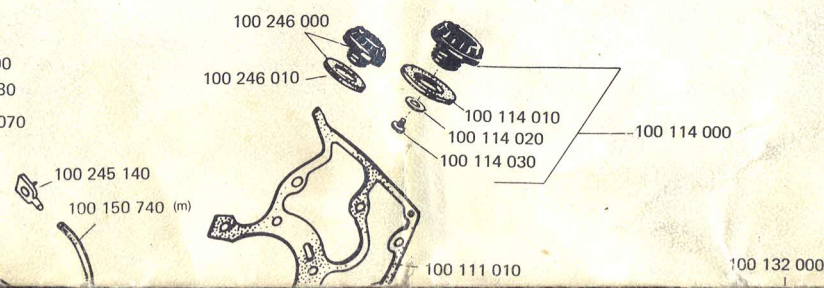
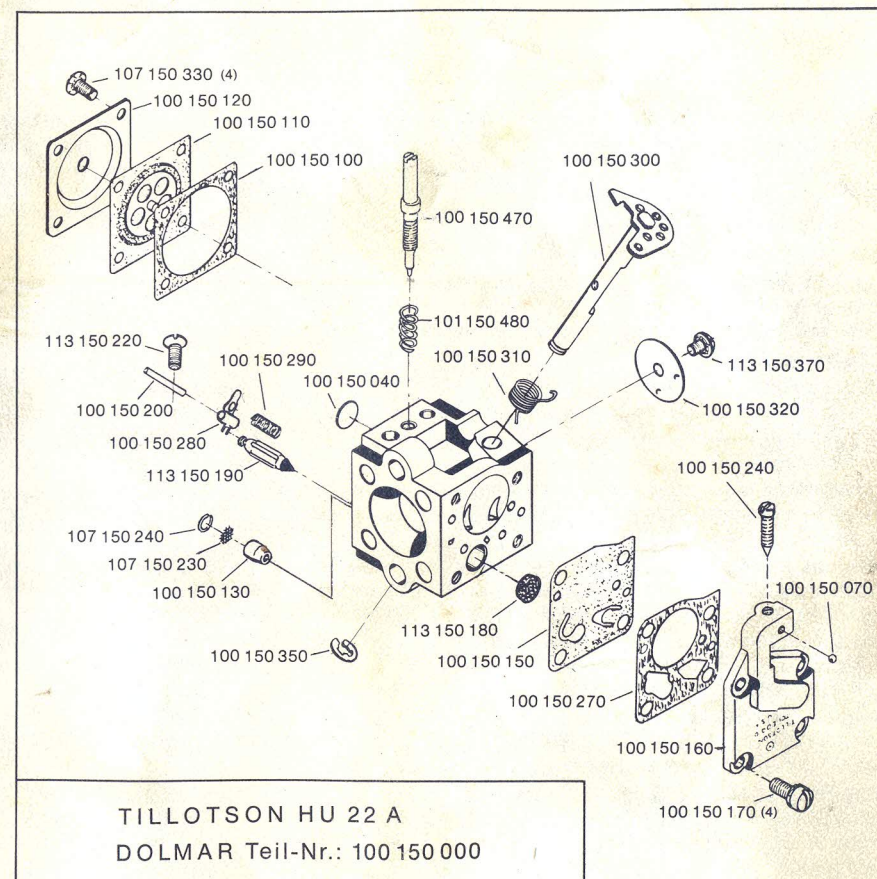
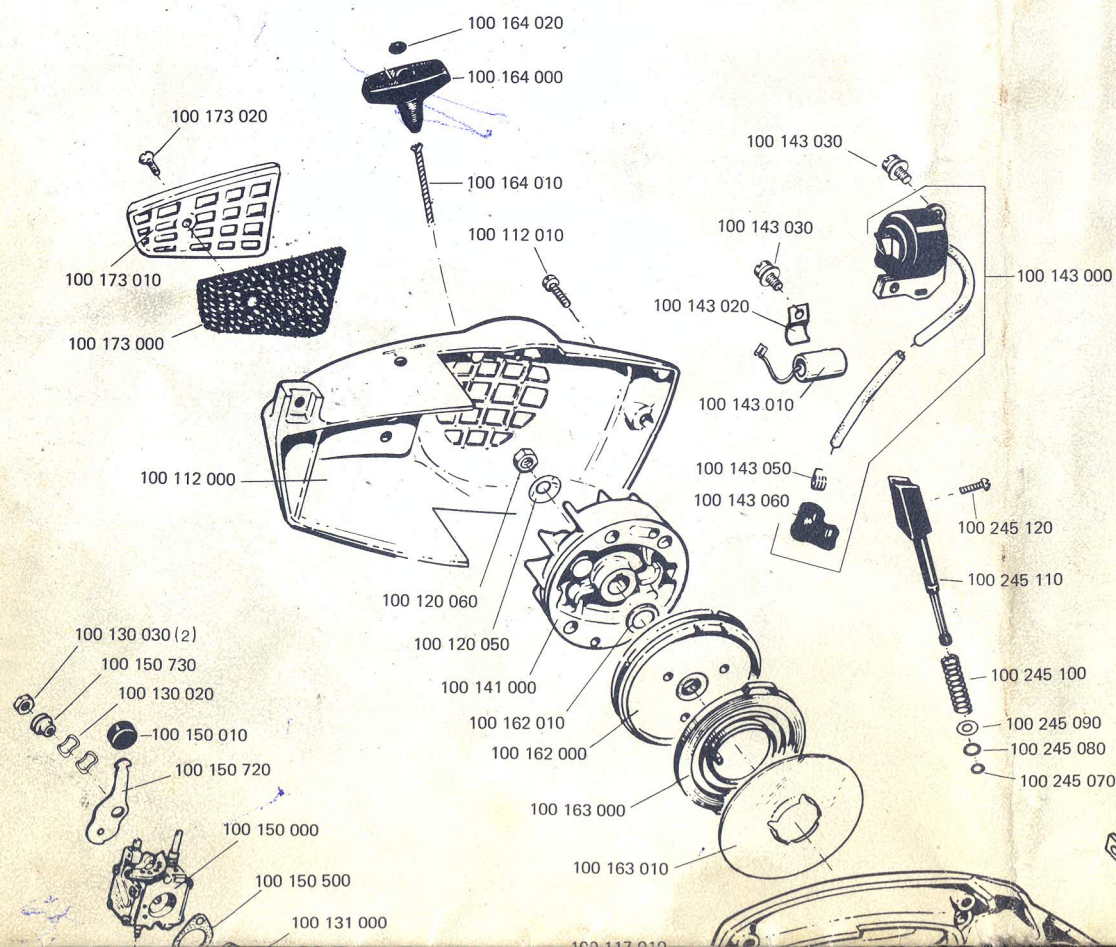
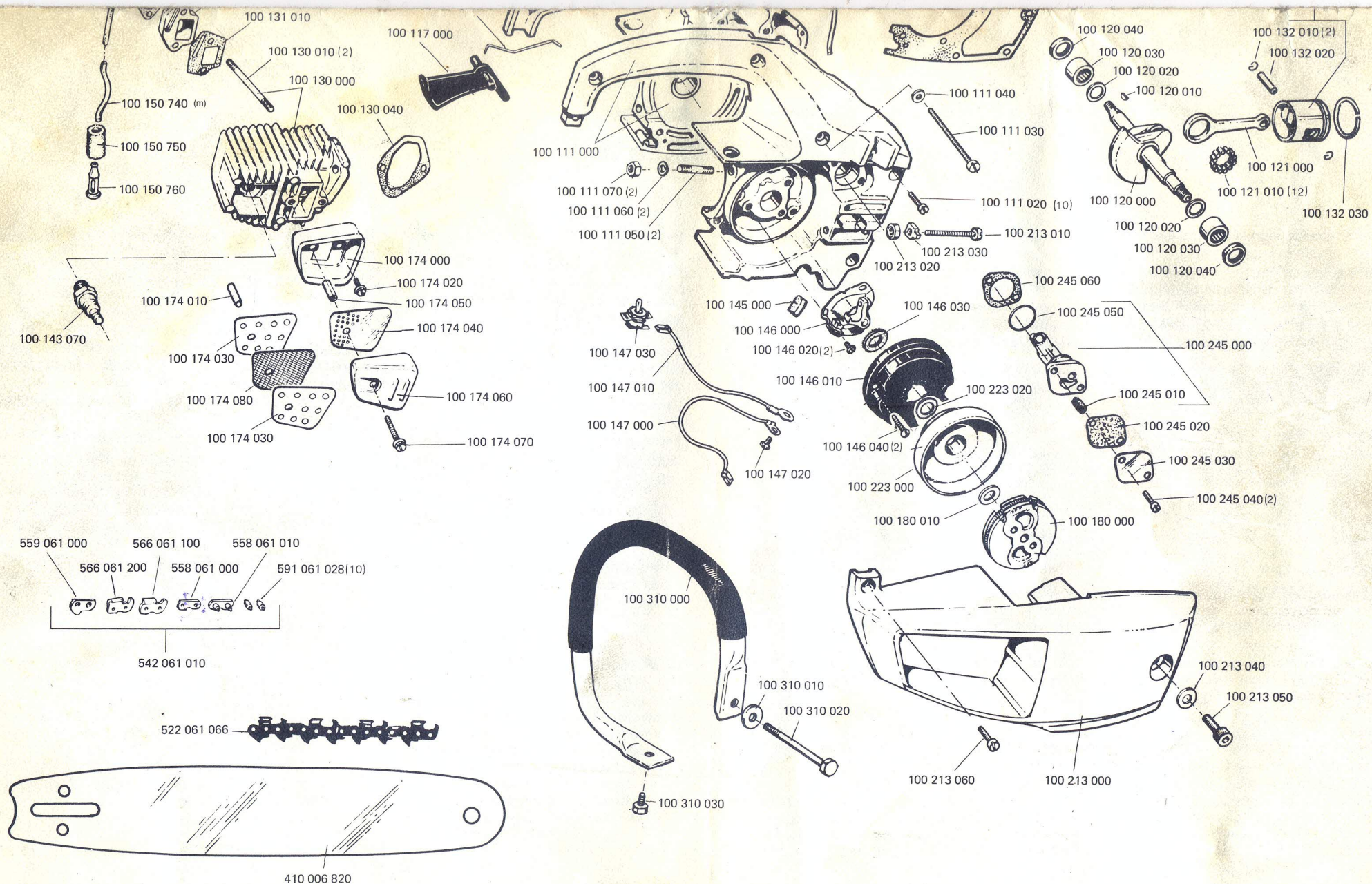


Ersatzteilliste
Spare Parts List

DOLMAR 100

Liste de pièces détachées
Lista de piezas de repuesto





Operating hints

DOLMAR 100

Follow the safety rules! See instruction manual for DOLMAR chain saws with petrol engine, page 1.

Assembling the guide bar and chain: First of all place the bar on the guide rail and tensioning pivot. Lift the chain over the clutch and lay in the guide bar groove. Running direction: The cutting edge of the chipper link must point towards the bar nose when seen from the top of the bar.

Tightening the chain: See instruction manual for chain saws with petrol engine, page 3.

Filling the tank: See instruction manual for chain saws with petrol engine, page 4.

Starting the engine: Switch to „ON“. Pull the choker lever right back. Push in the throttle lever half way and at the same time pull the starter grip. After engine fire turn choker lever to initial position otherwise, see instruction manual for chain saws with petrol engine, page 5.

Stopping the engine: Switch to „OFF“.

How to use the saw: See instruction manual for chain saws with petrol engine, page 6. When running in new chains the automatic chain lubrication should be supplemented by pumping the button at the top of the grip. Caution! When sawing with the bar nose or upperside hold the machine really tight in order to prevent kick-back.

Chain sharpening: Use a special chain round file with 3,5 mm diameter for 1/4" pitch chain. / Top plate angle = 35°. / Side plate angle = 90°. / Otherwise, refer to instruction manual for chain saws with petrol engine, page 7.

Adjusting the carburettor: See instruction manual for chain saws with petrol engine, page 8. The idle-running mixture screw (L) is right next to the starter grip and the idle-speed regulating screw (A) is behind it. There is no fast-running mixture screw (H) here as the main jet is pre-calibrated.

Regulating the oil pressure: This takes place automatically through the engine revolutions (impulse pressure). Extra oil can be fed to the chain by pumping the button on the rear grip. When the machine is not in use, loosen the oil tank cap to reduce the pressure.

Changing the sprocket: Screw off the sprocket guard. Block the fan with a spanner or something similar then loosen the clutch hub by giving it a light tap with a punch and hammer. When the clutch hub is screwed off this gives access to the clutch drum with sprocket.

Checking the ignition: See instruction manual for chain saws with petrol engine, page 10. The Champion spark plug has an electrode gap of .025". The contact points (dismantle clutch and dust cover) should have a gap of .017" when resetting, but .020" when newly fitted. Apply a little bearing grease to the dry lubricating wick. Lay the cable neatly without kinks. Seal off the contacts cover, cover groove and cut-out with rubber solution. Felt washer must seal perfectly. Keep the spark plug cap and high tension lead away from the silencer and cylinder ribs.

Renewing the starter rope or rewind spring: Take off the fan housing, screw in the carburettor adjusting screw, remove air filter and loosen the two nuts and screws. Block the flywheel with a spanner. Screw off the flywheel nut and loosen the flywheel by tapping it on the side with a rubber hammer. Remove the flywheel key. Slowly release the spring tension by pulling out the rope through the hole on the edge of the drum. Then slightly lift the rope drum with rewind spring, push a screwdriver underneath and pull off the rewind spring from the centre cone. Wind a new spring in the rope drum in an anti-clockwise direction. Sear the ends of the new starter rope, at an angle, and 6 mm before the end push in a small

nail, pinching off the end. Feed the rope into the drum with the nail head towards the middle of the drum. Replace the drum (only lightly grease the needle bearing!) and turn anti-clockwise until the spring is tensioned (5 — 6 turns). Then allow the rope to roll back in, ensuring first that a knot has been made for the starter grip. Reassemble spacer and flywheel key. Clean the cone well. In order to fit the flywheel pull out the starter rope a little, with the return of the rope drum the starter pawls fall into the right position. Tighten the flywheel nut with about 2 kpm.

Ventilating the fuel tank: Keep the thread of the fillister head screw and the groove in the tank cap (FUEL MIX) clean.

Filter in fuel tank: See instruction manual for chain saws with petrol engine, page 12.

Ventilation and filter in the oil tank: Do not allow any dirt to fall into the oil tank. The chain oil is fed direct to the bar by over-pressure in the tank. Therefore, always screw the tank cap (OIL) hand-tight. Do not clean the jet valves of the oil pump with wire or compressed air. Frequently clean the foam filter behind the oil pump cover and push it back into the lower suction canal in front of the jet valve. To dismantle the oil pump, first of all loosen the button and pull out about 1 cm.

Cleaning the air filter: See instruction manual for chain saws with petrol engine, page 12.

Trouble shooting: See instruction manual for chain saws with petrol engine, page 13. Exceptions are: Spark plug gap = .025". Top plate angle of the cutter should be filed at 35°.

Technical Data:

Displacement	=	30 ccm
Rating	=	3,0 HP- SAE , 1,32 kW
Chain speed	=	16 metres/sec.
Idle adjustment (L)	=	1 turn
Fuel tank capacity	=	0,32 litre / 11 oz
Chain oil tank capacity	=	0,17 litre / 6 oz
Spark plug	=	Champion CJ 8 / .025"
Contact points gap	=	.017" — .020"
Starter rope	=	Ø 3,5 mm x 710 mm
Rewind spring tension	=	5 turns
Sprocket	=	pitch : 1/4" teeth: 8
Chain model	=	DOLMAR 061
Chain pitch and gauge	=	p: 1/4" / g: .050"
Chain gauge	=	part no. 953 100 090
Chain round file	=	3,5 mm Ø
Guide bar	=	30 cm / 12"
Flywheel torque	=	2,0 kpm
Clutch torque	=	2,0 kpm
Weight complete	=	4,2 kg / 9 lbs.