Working instruction No 1 for TN8026
Working instruction No 1 for TN LS10-04

Replacing the vacuum impulse line at the engine

A Removal and re-assembly of the carburettors

(necessary every 10 years to exchange the vacuum impulse lines)

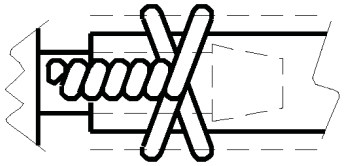
1. Remove the nuts fixing the carburettor manifolds on the stud bolts protruding out of the cylinders.
2. Pull off both carburettors together with the intake box from the engine.
3. Exchange the vacuum impulse line.
4. For re-installation use new gaskets, lock washers and nuts.
5. Necessary material

Quantity	DG part No.	Description
4	60500199	carburettor gasket
4	52060031	lock washer VS8
4	60500181	copper hex nut M8 THE SW12

B Securing the vacuum impulse line

Secure the vacuum impulse line with lock wire to the nipple at the engine block.

Use lock wire with 0.8mm (0.032 in.) diameter (eg. Wire SS 1LB).
When refitting the hose, the lock wire should be wrapped twice around the hose over the nipple and twisted with special lock-wire pliers (see sketch) 5 rotations in clockwise sense.



The fuel hose to be used is quite stiff, so it is necessary to twist the lock wire very tightly.

Check the connection by pulling strongly at the hose. The hose shouldn't move noticeably. Nevertheless the hose can still be rotated on the nipple, this is acceptable.

Diagram 2: Fuel system up to serial no. L8528

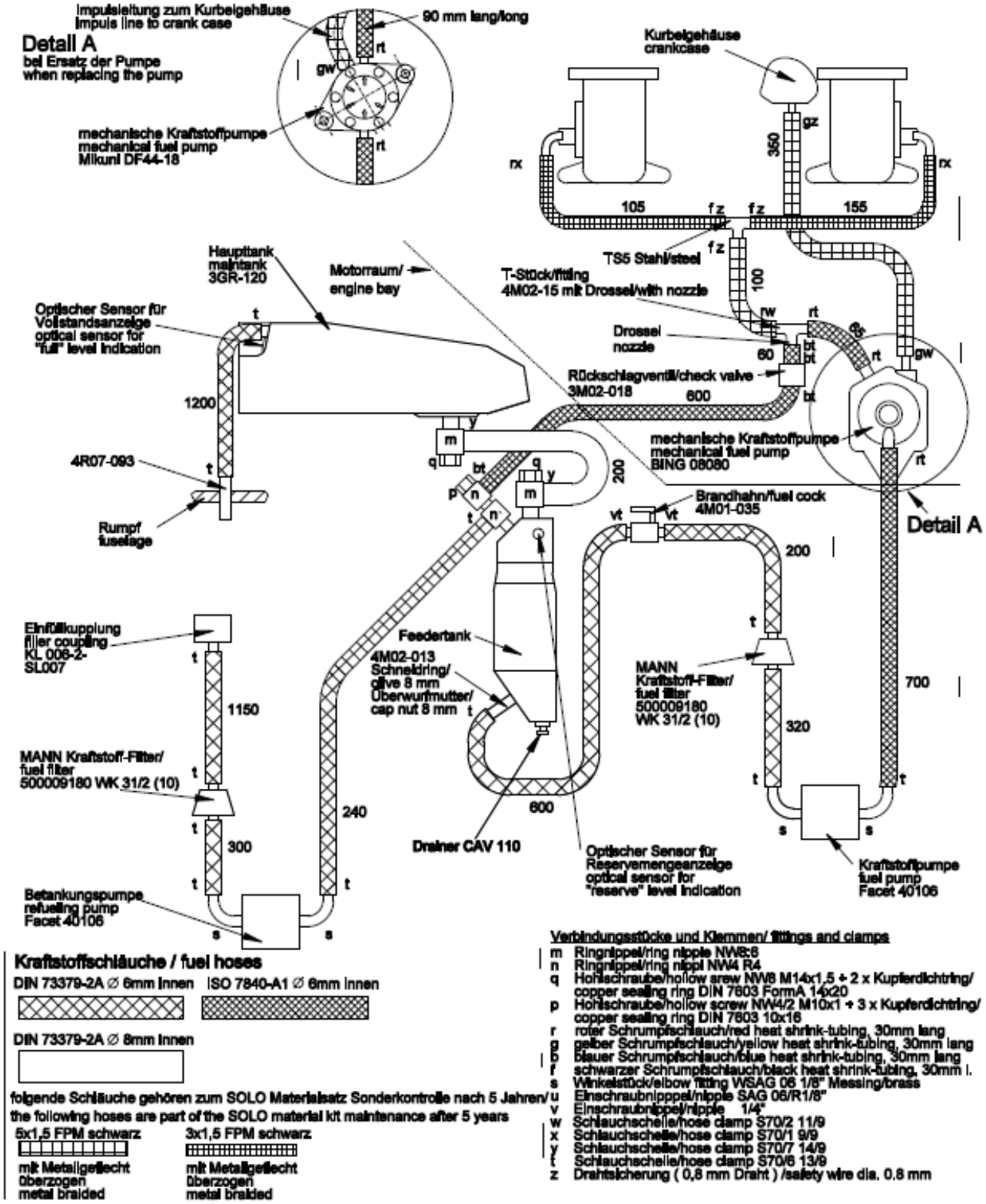
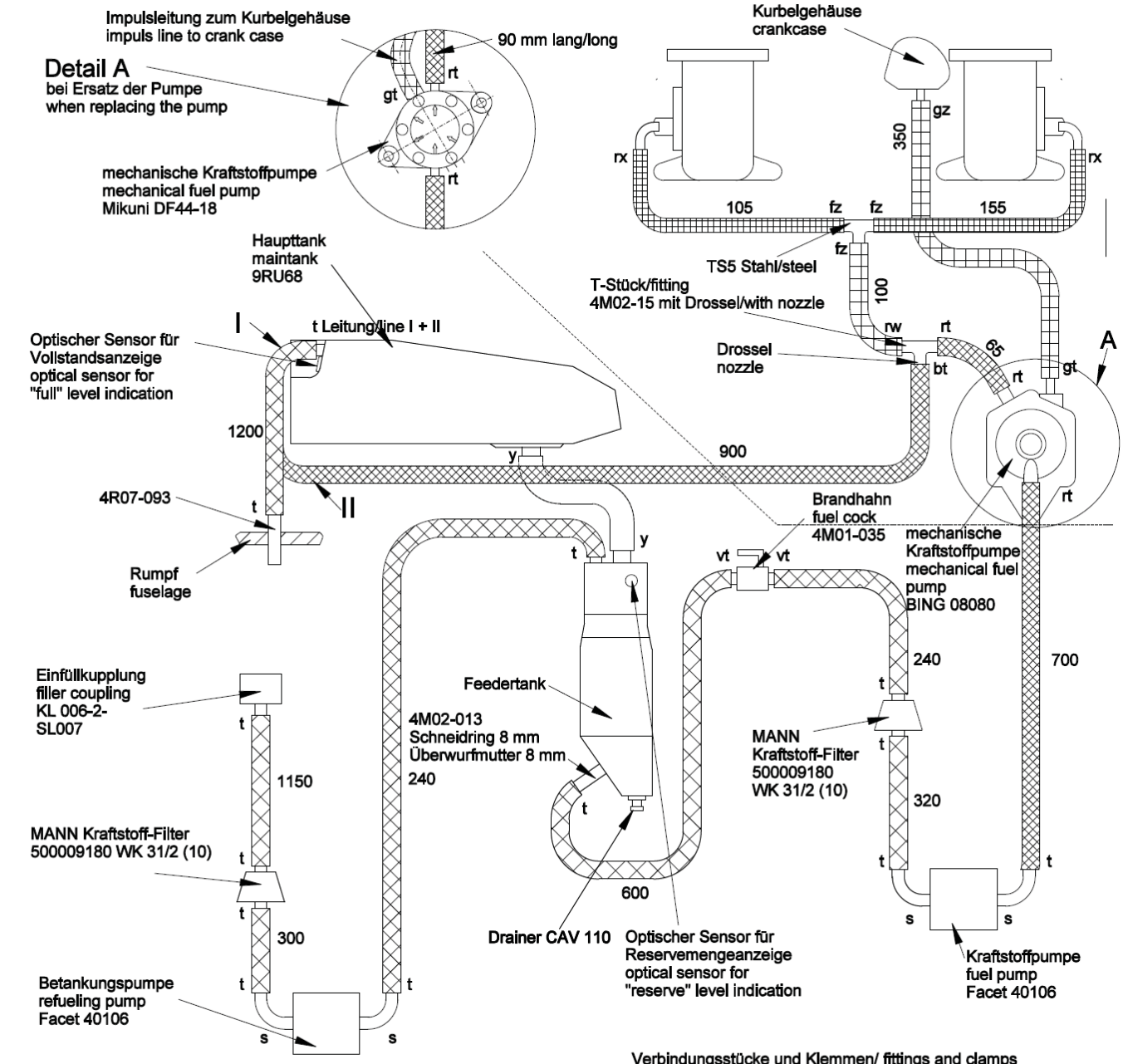


Diagram 2a: Fuel system Ser.no. 8474 and from ser.no. 8529 on (ÄM LS8-1)



Kraftstoffschläuche / fuel hoses

DIN 73379-2A ∅ 6mm innen/inside dia.

ISO 7840-A1 ∅ 6mm innen/inside dia.

DIN 73379-2A ∅ 8mm innen/inside dia.

folgende Schläuche gehören zum SOLO Materialsatz Sonderkontrolle nach 5 Jahren/
the following hoses are part of the SOLO material kit maintenance after 5 years

5x1,5 FPM schwarz
mit Metallgeflecht überzogen/metal braided

3x1,5 FPM schwarz
mit Metallgeflecht überzogen/metal braided

Verbindungsstücke und Klemmen/ fittings and clamps

r	roter Schrumpfschlauch/red heat shrink-tubing, 30mm lang
g	gelber Schrumpfschlauch/yellow heat shrink-tubing, 30mm lang
b	blauer Schrumpfschlauch/blue heat shrink-tubing, 30mm lang
f	schwarzer Schrumpfschlauch/black heat shrink-tubing, 30mm l.
s	Winkelstück/elbow fitting WSAG 06 1/8" Messing/brass
u	Einschraubnipppel/nipple SAG 06/R1/8"
v	Einschraubnippel/nipple 1/4"
w	Schlauchschelle/hose clamp S70/2 11/9
x	Schlauchschelle/hose clamp S70/1 9/9
y	Schlauchschelle/hose clamp S70/7 14/9
t	Schlauchschelle/hose clamp S70/6 13/9
z	Drahtsicherung (0,8 mm Draht) /safety wire