SERVICE MANUAL

NEUSON

TRACK DUMPER

TD 15



Symbol picture

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Abbreviations:

AP ... Adjustment point
MP ... Measuring point
PPLV ... Primary - pressure limiting valve
SPLV ... Secondary - pressure limiting valve
TT ... Tightening torque
Pb1 ... Port code at the hydraulic diagram

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Ing. Andreas Huemer (Neuson Training)
Tel.: ++43 / 732 /90 5 90 - 0
Email.: andreas.huemer@neuson.com

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Tab: **Dimensions / Perfomance**

		Unit	TD 15
Safe payload		kg	1500
Unladen weight		Kg	1250
OVERALL DIMENSIONS			
Length		mm	2793
Width		mm	990
Height		mm	1678
Ground clearance		mm	238
Track length		mm	1333
Track width		mm	250
Undercarriage width		mm	990
Track rollers / side		Stk	4 pendelnd
		Stk	2 fix
SHIP			
Length	Mulde	mm	1597
Width	Mulde	mm	866
Height	Mulde	mm	401
Capacity	Mulde	m^3	0,56
POWER			
Driving speeds	1 Stufe	km/h	0 - 5
	2 Stufe	km/h	0 - 7,5
Hill climbing ability		° (%)	30 (58)
Floor pressure		kg/cm^2	0,15 - 0,37
TECHNIC			
Antrieb	Hydrostatischer Antrieb		
Brakes	Hydrostatic drive and park brake		
Track tensionier	Spring and screw operated		
Skip	Hydraulic 3 way tip		

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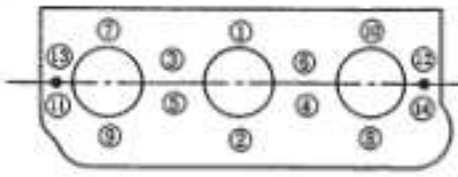
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Cylinder Head

> TIGHTENING ORDER for cylinder head screws :

3-cylinder diesel engine: camshaft side

flywheel side

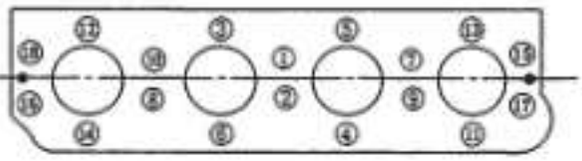


fan

4-cylinder diesel engine:

camshaft side

flywheel side



fan

For tightening torques of cylinder head screws see chapter Technical Data.

Note: The threads and engaging faces of the cylinder head srews must be oiled prior to installation!
Tighten screws regularly following the order specified in the schematic.
For dismantling loosen the screws in reverse order.

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1. Elektric circuit diagram

1 horn pushbutton
2 horn
3 warning indicator for cooling water temperature and fuel tank
4 hydr. filter clogging indicator
5 hydr. filter clogging switch
6 oil pressure switch
7 sensor for cooling water temperature indicator
8 sensor for fuel indicator
9 pilot lamp for charge control, oil pressure, water temperature and heater plugs
10 fuel indicator
11 operating hours meter
12 controller
13 starting relay
14 timing relay preheating
15 timing relay stopping solenoid
16 main relay stopping solenoid
17 stopping solenoid
18 dynamo
19 battery 12V
20 starter
21 heater plug
22 ignition key
23 fuse 50A
24 fuse 10A, 20A
25 diodes (IN4004)
26 fuel potentiometer

COLOURS

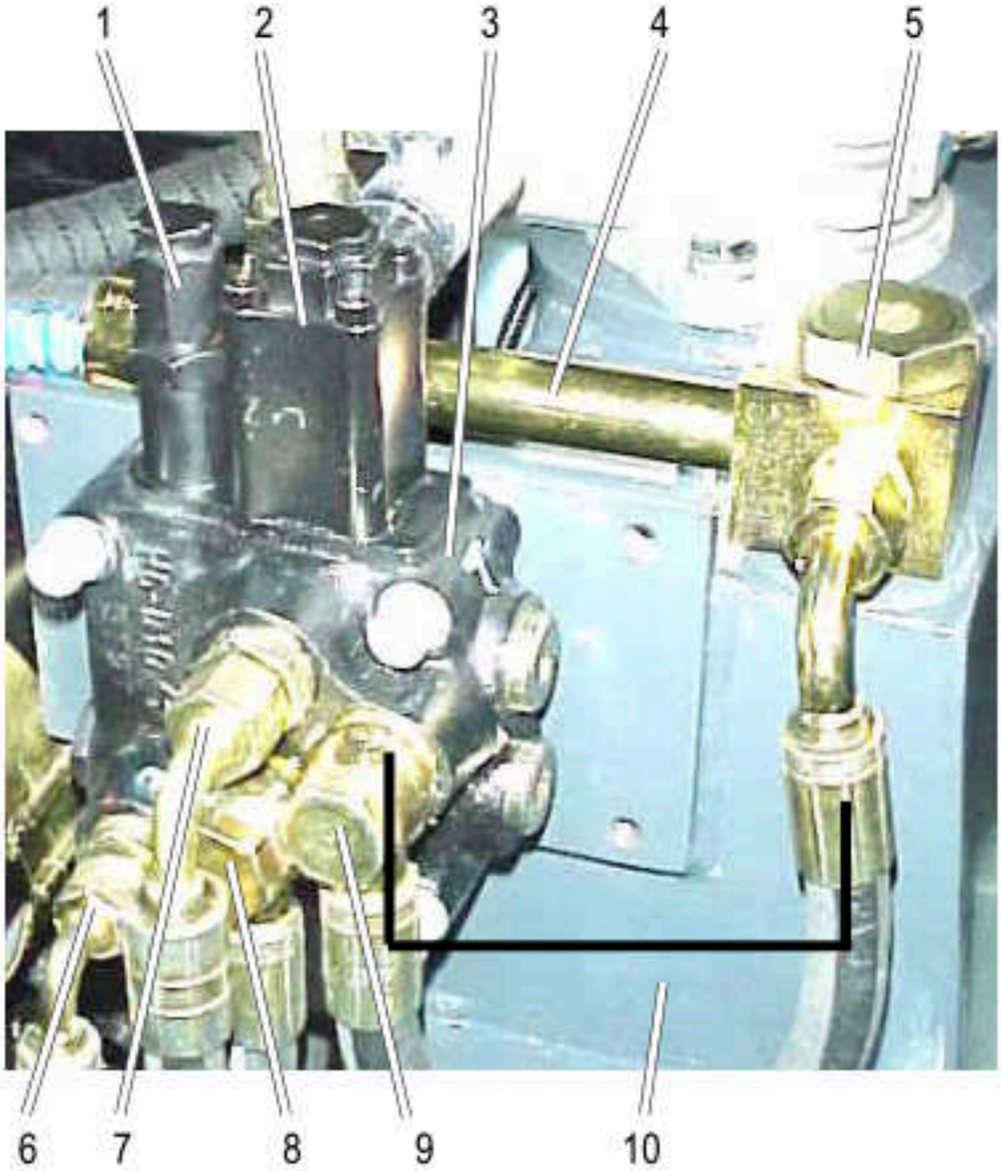
bl blue
br brown
ge yellow
gn green
gr grey
vio violet
ro red
rs pink
sw black
ws white
or orange

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6. SKIP TILT VALVE (working hydraulic system)

Type: Neuson 1428454
Function: Pilot control valve for the skip tilt cylinder
Features: Direct controlled 6/3way valve with pressure limiting valve

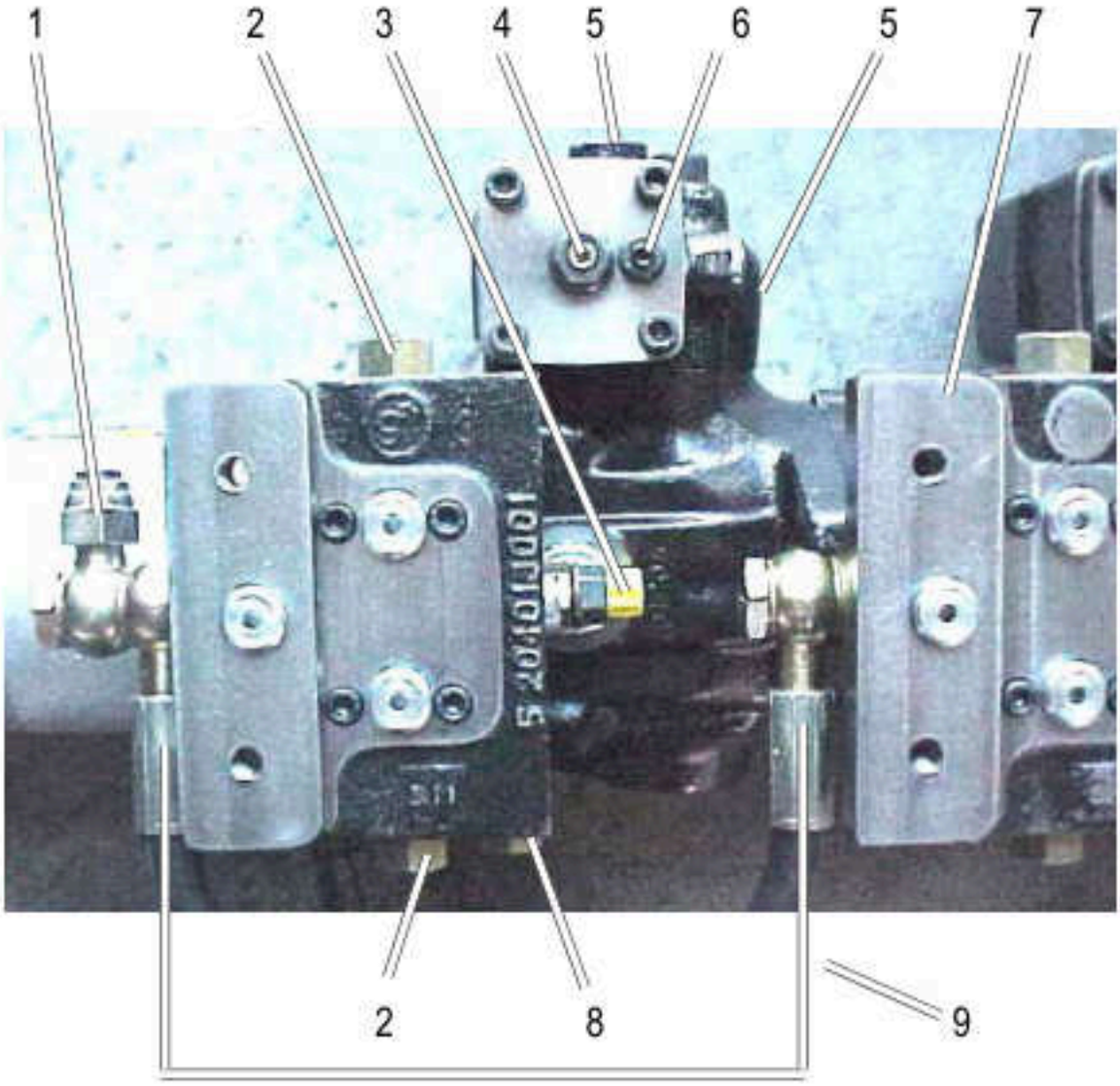
Pict.: Tilt valve - port position



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Pict.: Variable displacement pump 1 + 2, view C



1	System refill port	2	Flushing valve - pump 2
3	Pressure limiting valve - boost pump	4	Pump regulation unit - zero position
5	Port Travel control valve	6	Adjustment screw Qmax backward - P2
7	Pump 1 - regulation unit		
8	Pressure limiting valve - flushing valve 10bar		
9	Boost oil supply P1,P2		

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