TEREX LIFT

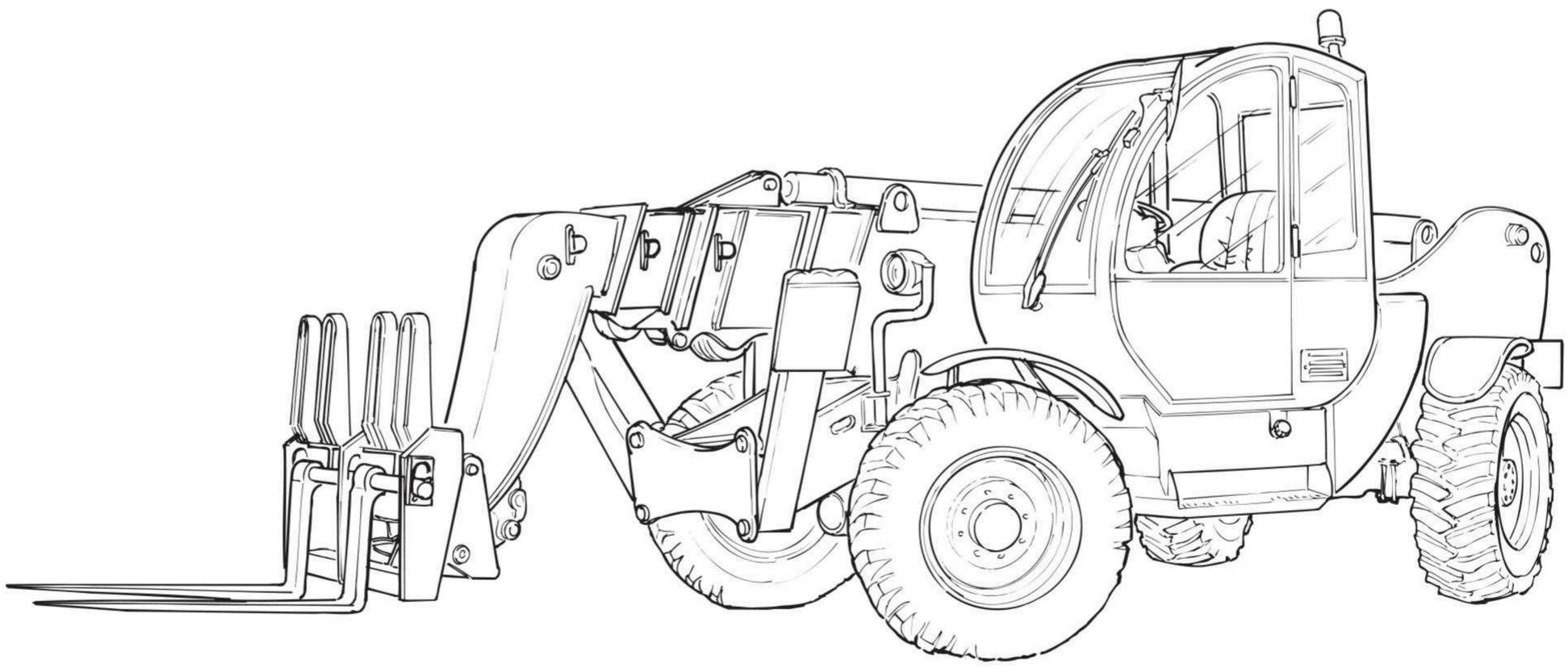
WORKSHOP MANUAL

Code 57.4401.0200 - 1st Edition 02/2006

Handler with telescopic boom

TELELIFT 3512 *(From serial n. 11248)*

TELELIFT 4010 *(From serial n. 12088)*



English

Edition

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Section 1
SAFETY INFORMATION

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2.7 FORKS

TELELIFT		3512	4010
- Dimensions	mm ft	1200x120x45	1200x120x45
- Weight	kg lbs	70	70
- Fork holding frame - class		FEM III	FEM III

2.8 DIESEL ENGINE

TELELIFT		3512	4010
- Make		DEUTZ AG	DEUTZ AG
- Model/Type		BF4M 2011	BF4M 2011
- Features:		Diesel	Diesel
		4 cylinders in line 4 strokes direct injection	4 cylinders in line 4 strokes direct injection
- Bore x Stroke	mm ft	94 x 112	94 x 112
- Total displacement	cc	3108	3108
- Power at 2300 rpm	kW	60	60

2.9 ELECTRICAL SYSTEM

TELELIFT		3512	4010
- Voltage	V	12	12
- Battery	Ah	100	100

2.10 MACHINE SOUND LEVELS

TELELIFT		3512	4010
- Guaranteed sound power level (in accordance with the Directive 2000/14/CE)	dB	Lwa = 101	Lwa = 101
- Measured sound pressure level (in accordance with the Directive 98/37/CE)	dB	Lpa = 80	Lpa = 80

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5.1 INTRODUCTION

- *Maintenance inspections shall be completed by a person trained and qualified on the maintenance of this machine.*
- *Immediately tag and remove from service a damaged or malfunctioning machine.*
- *Repair any damage or malfunction before operating machine.*
- *Unless otherwise specified, perform each procedure with the machine in the following configuration:*
  - *machine parked on a flat level surface;*
  - *boom in the stowed position;*
  - *key switch in the OFF position with the key removed.*

Before troubleshooting:

- *Read, understand and obey the safety rules and operating instructions printed in the Operator Manual of the machine.*
- *Be sure that all necessary tools are available and ready for use.*
- *Read each appropriate flow chart thoroughly.*
- *Pay special attention to the following warnings:*

⚠DANGER

Crushing hazard. When testing or replacing any hydraulic component, always support the structure and secure it from movement.

⚠WARNING

Electrocution hazard. Contact with electrically charged circuits may result in death or serious injry. Remove all rings, watches and other jewerly.

⚠WARNING

Spraying hydraulic oil can penetrate and burn skin; loosen hydraulic connections very slowly to allow the oil pressure to dissipate gradually. Do not allow oil to squirt or spray.

CAUTION

Perform all troubleshooting on a firm level surface.

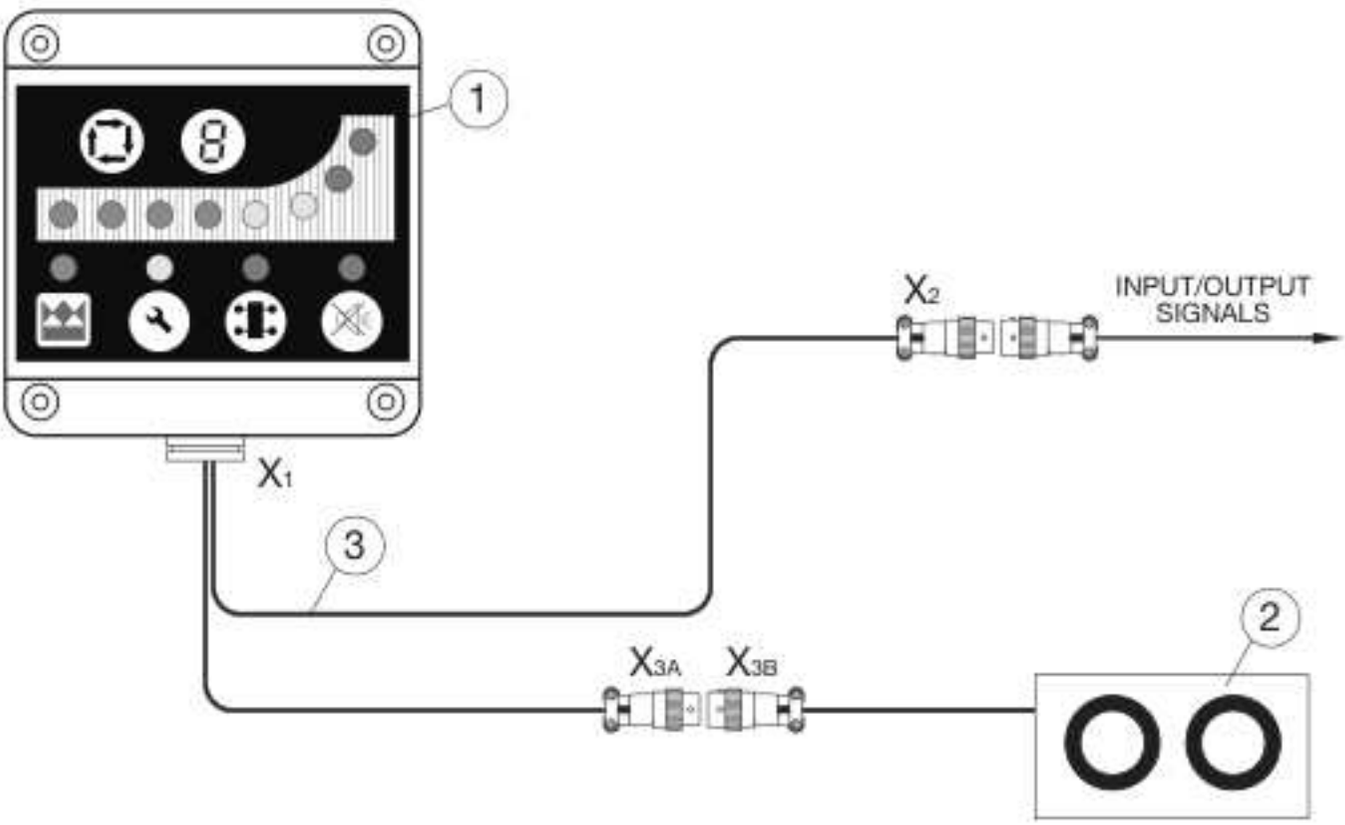
CAUTION

Two person will be required to safely perform some troubleshooting procedures.

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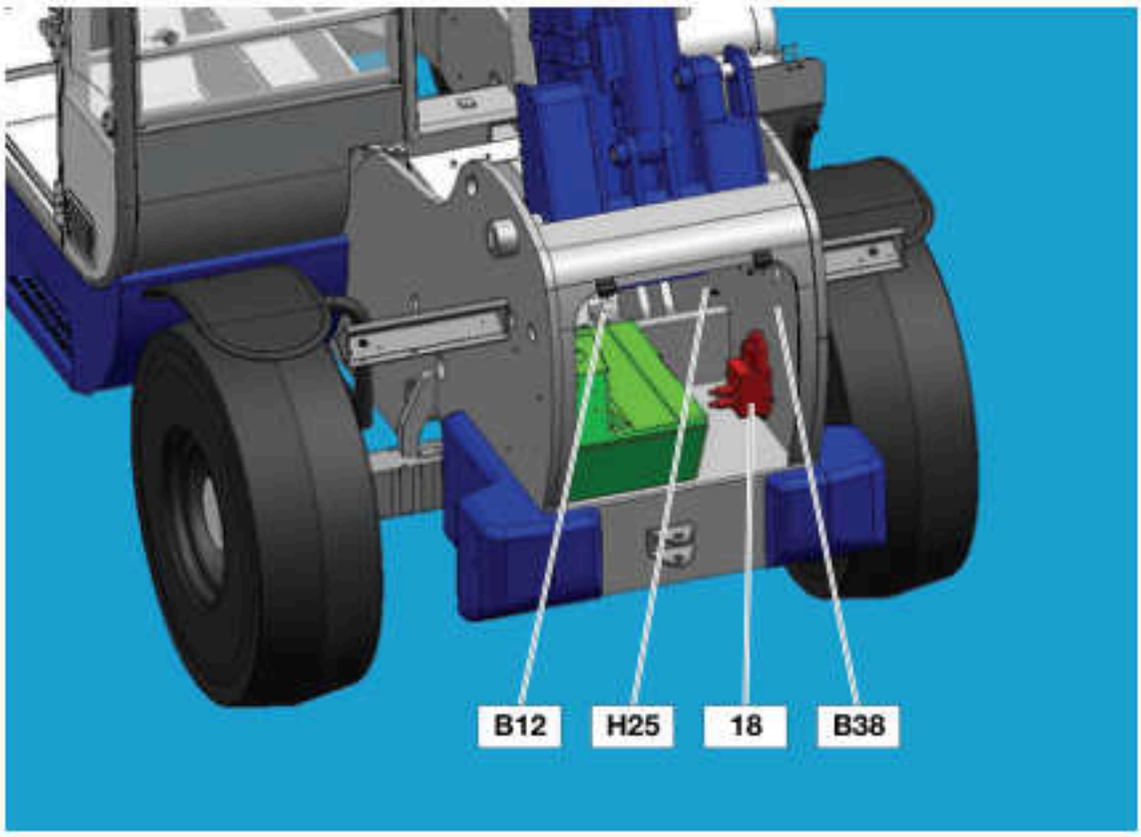
6.6 LOAD LIMITING SYSTEM WIRING DIAGRAM

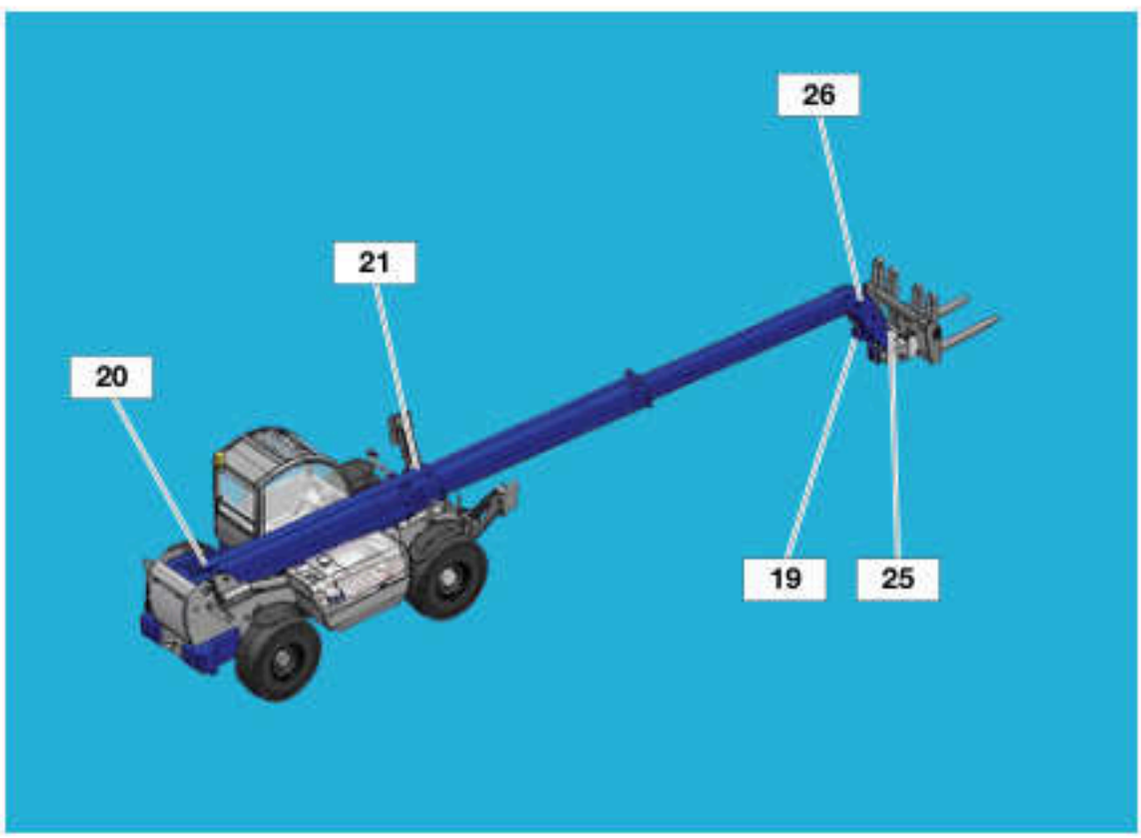
6.6.1 Lay-out



1 = main unit
2 = strain load cell double bridge
3 = connecting cable

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C-15 CHECK THE EFFICIENCY OF THE BLOCK VALVES

The piloted block valves allow to held the load in position in case of burst of a flexible hose.

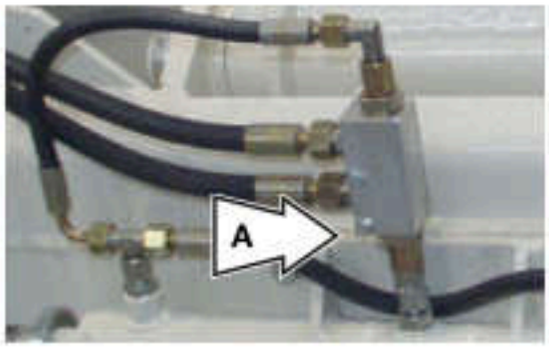
To check the efficiency of a valve, proceed as follows:

- Load a weight near the maximum payload (3500 kg roughly) onto the boom.
- Raise the load some centimetres above the ground (max 10 cm). To check the valve on the telescope extension cylinder move the boom to maximum height and extend it some centimetres.
- Loosen the oil hoses to the cylinder of which you are checking the valve with caution.
- To check the efficiency of the block valves of the outriggers, lower them to the ground and unload the weight on the tyres. Loosen the cylinder hoses to check the efficiency of the valve.

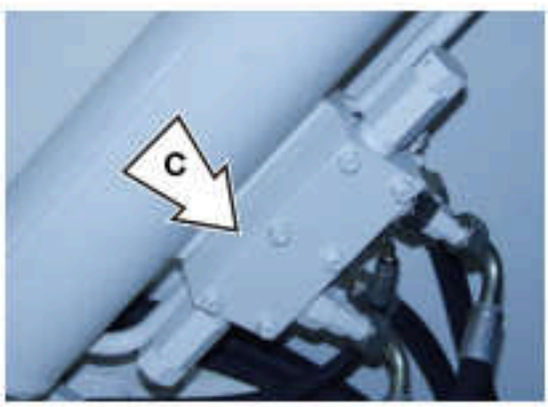
During the check, the load shall remain blocked in position.
Should that not be the case, the valve must be replaced.
Contact TEREXLIFT Customer Service.

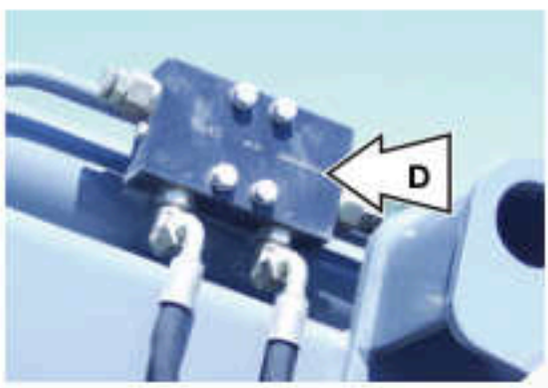
NOTICE

Place a container of suitable size under the plug.

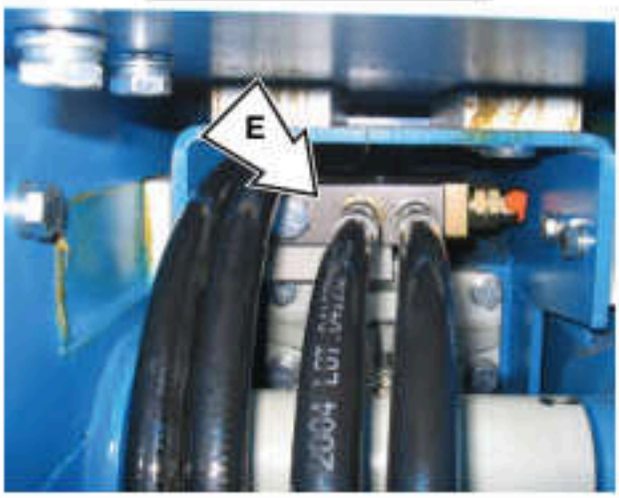








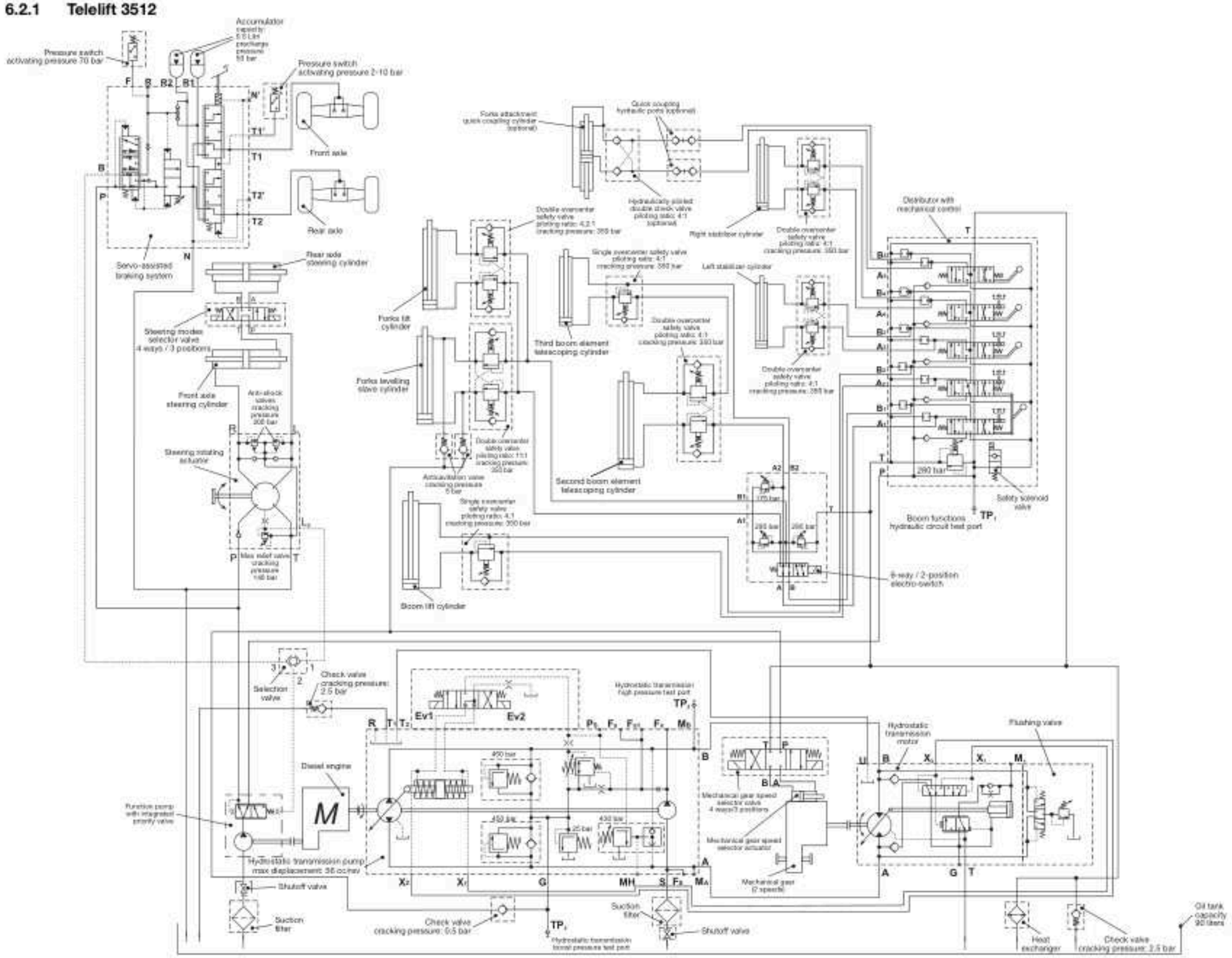
Only Telelift 3512



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6.2 HYDRAULIC SCHEMATICS

6.2.1 Telelift 3512



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