

HYDRAULIC SCHEMATIC

T2556 (S/N A8FR11001 AND ABOVE)
T2566 (S/N A8G311001 AND ABOVE)

(Printed MARCH 2010)
V-1389legend

LEGEND

- 1 RESERVOIR:
System Capacity 31.7 Gal. (120 L)
- 2 FILTER - Hydraulic
- 3 SPRING LOADED FILTER BYPASS
VALVE: 36 PSI (2,5 Bar)
- 4 CHECK VALVE
- 5 CHECK VALVE - With 7 PSI (0,5 Bar)
Spring
- 6 BOOM CYLINDER LOCK VALVE - Lock
Pressure - 4713 PSI (325 Bar)
- 7 SELF LEVELING CYLINDER LOCK
VALVE - 3625 PSI (250 Bar)
- 8 TILT CYLINDER LOCK VALVE
3553 PSI (245 Bar)
- 9 SOLENOID - Reverse Drive
- 10 SOLENOID - Forward Drive
- 11 RELIEF VALVE - Charge
435 PSI (30 Bar)
- 12 RELIEF/REPLENISHING VALVE - HIGH
PRESSURE (2) - 6527 PSI (450 Bar)
- 13 VARIABLE CAPACITY DISPLACEMENT
BIDIRECTIONAL HYDROSTATIC PUMP
- 14 CHARGE PUMP
9.7 GPM (36,7 L/min.) @ 2200 RPM
- 15 SERVO PISTON - Swash Plate
- 16 HYDRAULIC PUMP - Gear type
22.0 GPM (83 L/min.) @ High Engine Idle
- 17 HYDRAULIC PUMP - Gear Type
9.5 GPM (36 L/min.) @ High Engine Idle
- 18 PRIORITY VALVE

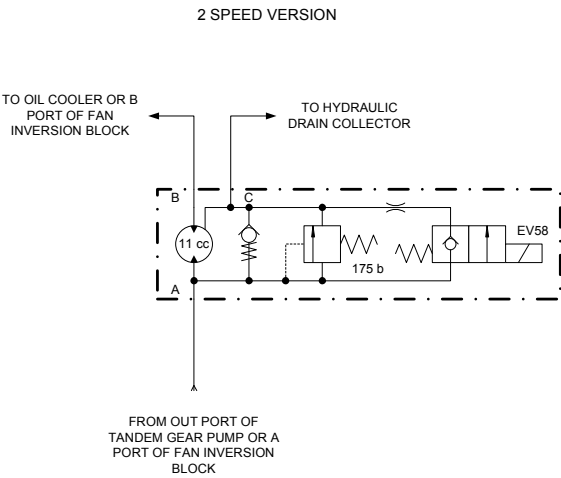
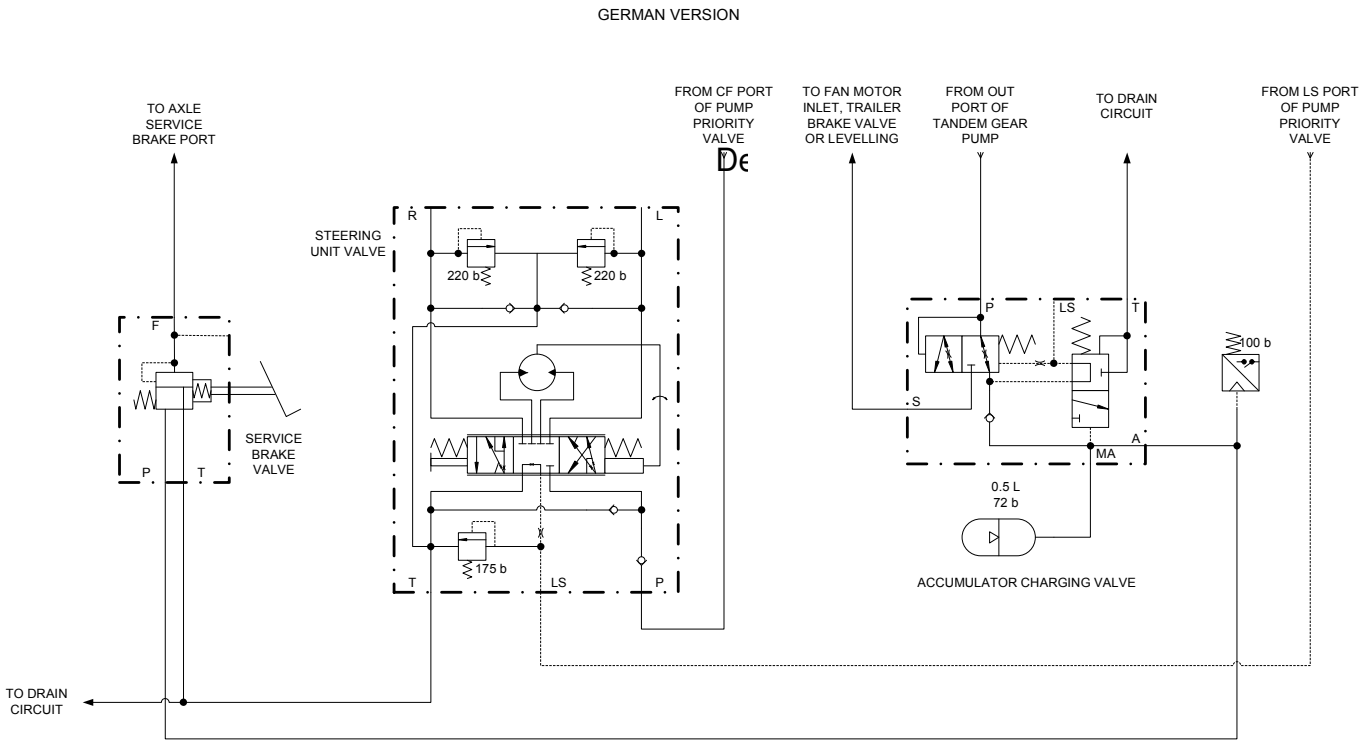
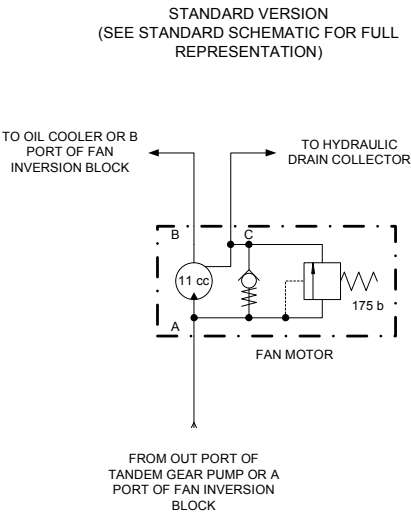
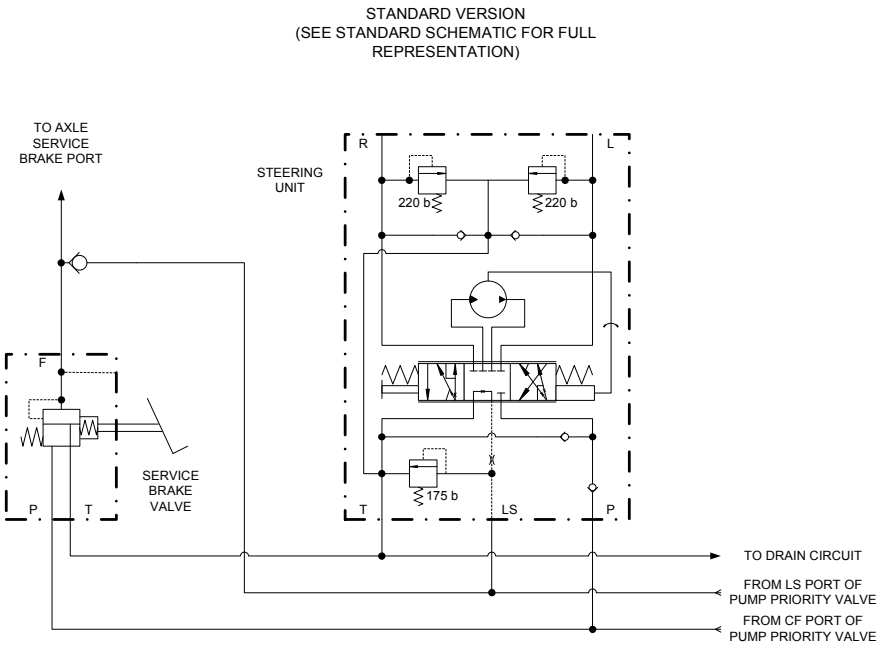
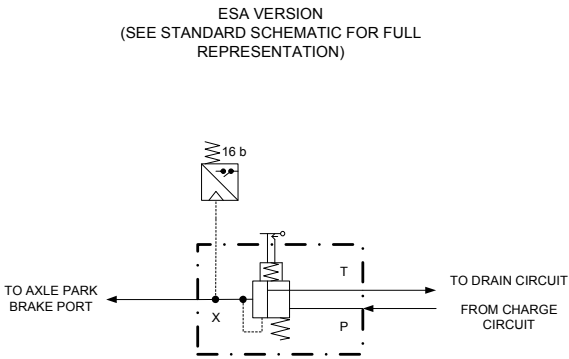
- 19 LOAD CHECK
- 20 ANTICAVITATION/WORK PORT RELIEF
VALVE – Boom: 3844 PSI (265 Bar)
- 21 ANTICAVITATION/WORK PORT RELIEF
VALVE – Tilt: 3045 PSI (210 Bar)
- 22 ANTICAVITATION/WORK PORT RELIEF
VALVE – Tilt: 3336 PSI (230 Bar)
- 23 ANTICAVITATION/WORK PORT RELIEF
VALVE – Telescopic: 2756 PSI (190 Bar)
- 24 COMPENSATOR
- 25 RELIEF VALVE: 218 PSI (15 Bar)
- 26 RELIEF VALVE: 3408 PSI (235 Bar) Dε
- 27 LOAD SENSE RELIEF CARTRIDGE
- 28 SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE – LS VLAWE
(OPTIONAL) (Only used with rear
hydraulic valve)
- 29 SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE - JOYSTICK LOCK
VALVE
- 30 TELESCOPIC CYLINDER LOCK
VALVE - 1450 PSI (100 Bar)
- 31 CHECK VALVE
- 32 BRAKE VALVE 870 PSI (60 Bar)
- 33 RELIEF VALVE 2538 PSI (175 Bar)
- 34 RELIEF VALVE (2) 3190 PSI (220 Bar)
- 35 SHUTTLE VALVE - Drive Pressure

- 36 MOTOR DISPLACEMENT CONTROL
SPOOL - 3481 PSI (240 Bar)
- 37 SHUTTLE VALVE - Drain
- 38 VARIABLE CAPACITY DISPLACEMENT
BIDIRECTIONAL HYDROSTATIC MOTOR
- 39 SERVO PISTON - Swash Plate
- 40 RELIEF VALVE: 392 PSI (27 Bar)
- 41 FILTER
- 42 ORIFICE: 0.039 inch (1,0 mm)
- 43 SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE – REAR AUXILIARY
HYDRAULICS (OPTIONAL)
- 44 SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE – SECONDARY
AUXILIARY HYDRAULICS (OPTIONAL)
- 45 ACCUMULATOR - 217 PSI (15 Bar)
- 46 CHECK VALVE - With 51 PSI (3,5 Bar)
Spring
- 47 RELIEF VALVE - 2538 PSI (175 Bar)
- 48 CHECK VALVE - Anti-cavitation
- 49 TRAILER BRAKE COUPLER PORT
(OPTIONAL)
- 50 PRIORITY VALVE (OPTIONAL)
- 51 SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE – REAR HYDRAULIC
HOOK (OPTIONAL)

- 52 CHECK VALVE (OPTIONAL)
- 53 RELIEF VALVE (OPTIONAL) - 2900 PSI (200 Bar)
- 54 SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE – FAN REVERSING
(OPTIONAL)
- 55 PRESSURE SWITCH- Brake: 232 PSI (16 Bar)
- 56 DIRECTIONAL CONTROL VALVE - Brake
- 57 SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE – TRAILER BRAKE
VALVE (OPTIONAL)
- 58 CHECK VALVE
- 59 SOLENOID ACTIVATED DIRECTIONAL
CONTROL VALVE – AMA VALVE

NOTE: Unless otherwise specified
springs have NO significant
pressure value.

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