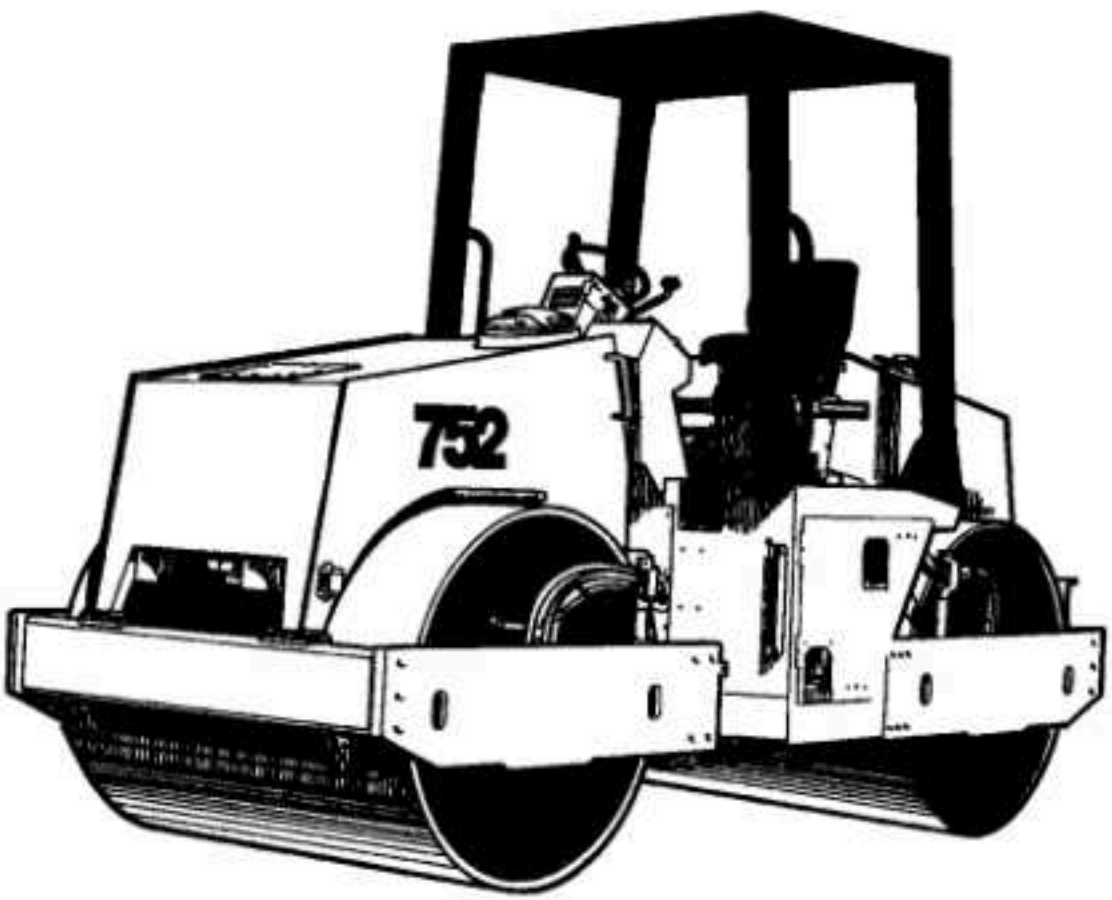
VIBROMAX

TANDEM DRUM ROLLER

SERVICE MANUAL SM70501

November 2000

Model 752



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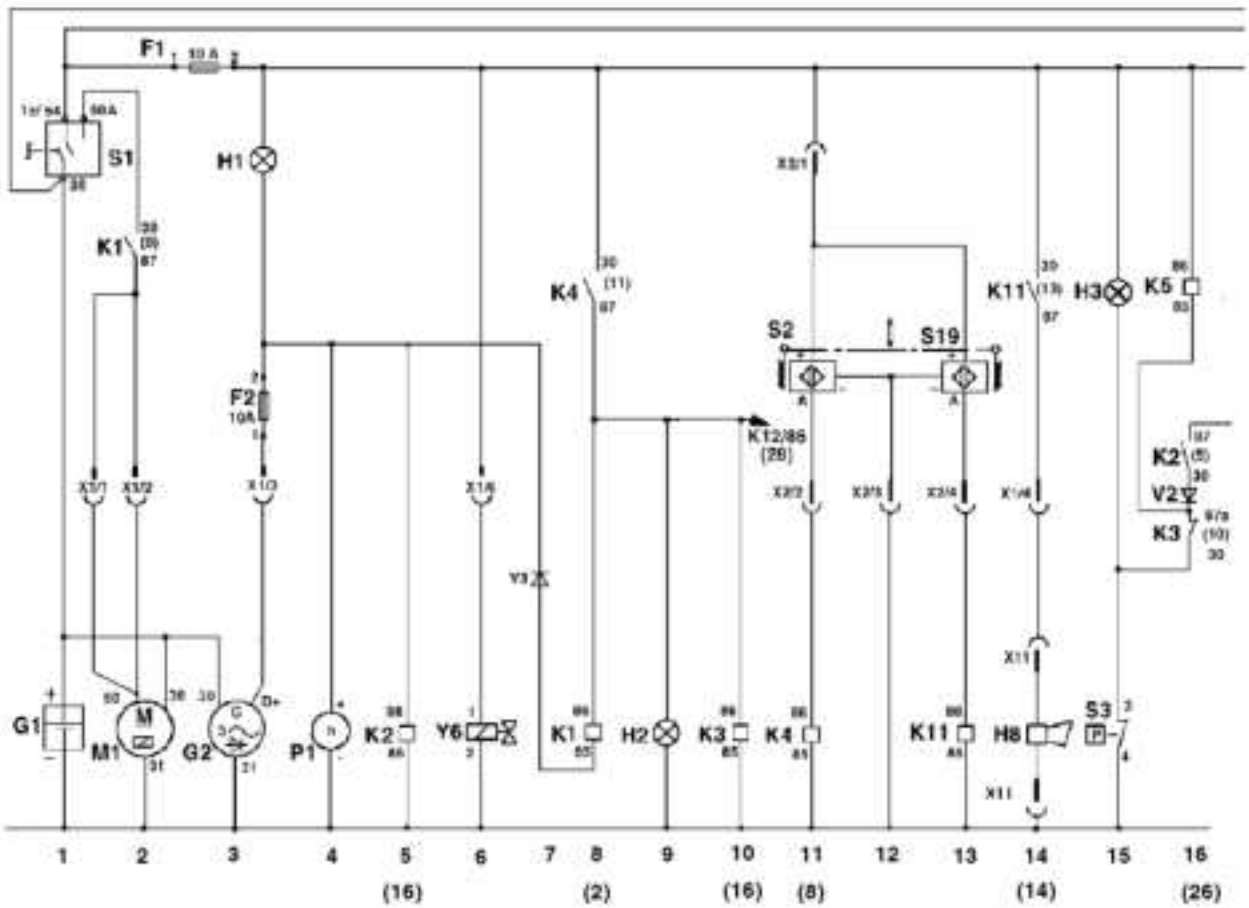
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FLUID CAPACITY - 752

MACHINE PART	CAPACITY USA (metric)	SPECIFICATIONS
Fuel tank	37 gal (140 l)	see diesel fuel
Engine crankcase	11.5 qts(10.9 l)	engine oil API classification API-CD MIL-L-2104C multigrade engine oil (see oil chart) single grade engine oil (see oil chart)
Hydraulic system Reservoir refill	47.6 gal (180 l)	cold weather HLP 46 DIN 51524/2 hot weather HLP 68 DIN 51524/2 Mobil DTE 25,26 Shell Tellus OL 46,68 Amoco Rykon HD 46,68 Texaco Rando HD 46,68
Drum gearbox (each drum)	1.4 qts (1.3 l)	CPL 220 LS 2 DIN 51517/3 Mobilgear 630 Mobilgear SHC 220 Texaco Syngear 220
Vibration system (each drum)	3.7 qts (3.5 l)	CLP DIN 51517/3 Mobil Gear 627 Shell Omala 100 Texaco Meropa 100
Battery	as required	Distilled water
Grease	as required	Molydisulfide grease
Engine coolant	20 qts (19 l)	50% ethylene glycol and 50% water -34 degrees F (-37 degrees C)

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UNDERSTANDING ELECTRICAL SCHEMATICS



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15. Press the bearing (#6) into the bearing flange and install snap ring (#7).

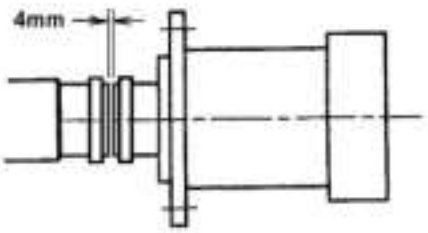
16. Install shaft seal (#3) and drum drive bearing (#2) using capscrews (#9) with Loctite 271 and torque to 110 Nm (81 ft lbs).

17. Install the buffer support plate (#25) onto the drive bearing (#27) using 12 capscrews (#26) using Loctite 271 and torque to 110 Nm (81 ft lbs).

18. Install the exciter shaft.

19. Install the completed drive bearing housing assembly onto the drum using a new O-ring (#9). Care must be taken not to damage the exciter shaft and bearings. Install the 16mm capscrews using Loctite 271 and torque to 140 ft. lbs. (190 Nm).

20. Check the vibration shaft for the proper end play (752 = 1.8mm to 3.8mm). With the drive coupling halves installed check for the 4mm shaft to motor clearance as shown below:



VIB. shaft to VIB. motor clearance

21. Install a new vibration motor o-ring and mount the vibration motor using capscrew and washer.

22. Reinstall the drum into the machine.

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