

INSTALLATION MANUAL

REF NO.	BT04018
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(C)

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SUBJECT: INTRODUCTION OF GREASE SUPPLY METHOD FOR AUTO GREASE PUMP ON WA700/800/900/1200-3

PURPOSE: To introduce direct grease refilling system into the auto greasing pump on WA700-3, WA800-3, WA900-3 and WA1200-3 wheel loaders

APPLICATION: WA700-3 }
 WA800-3 } Wheel Loaders
 WA900-3 }
 WA1200-3 }

FAILURE CODE: ZZ10MH

DESCRIPTION:

1. Introduction

By the improvement made with the grease pump on the WA700-3, WA800-3, WA900-3 and WA1200-3 wheel loaders to increase the durability (to increase the durability of the pump proper and to increase the vibration resistance of the tank and the cover), the weight of the pump and the weight of the cover have been increased and it may become a harsh work to open the cover to replace the grease pail. To solve the above problem, we are introducing the direct grease refilling system in this Installation Manual.

Direct grease refilling system

1. By use of this system, it becomes possible to refill the grease into the reservoir of the grease pump without need to replace the grease pail.
2. It becomes possible to refill the grease promptly.
 (Necessary time to refill a 60 lbs reservoir will be about 15 minutes including the preparation time before and after refilling the grease.

Refilling method

- 1) Refill the grease through the grease nipple ① using a grease gun.
 When grease refilling work is started, the oil level gauge bar ② will come up by pressurization force.
- 2) Refill the grease by the grease gun until the oil level gauge bar reaches the "FULL" position.

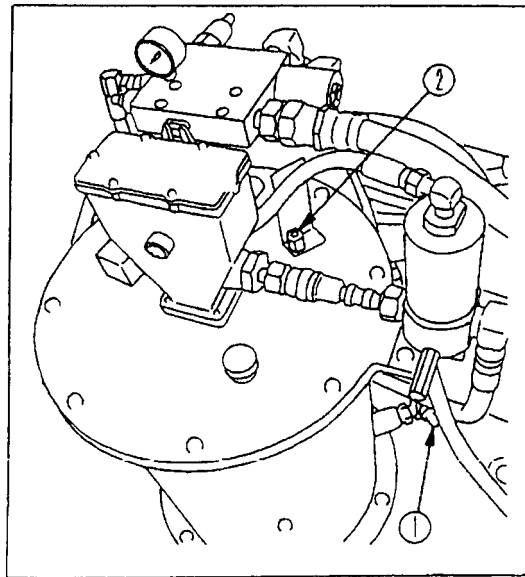


Fig. 1

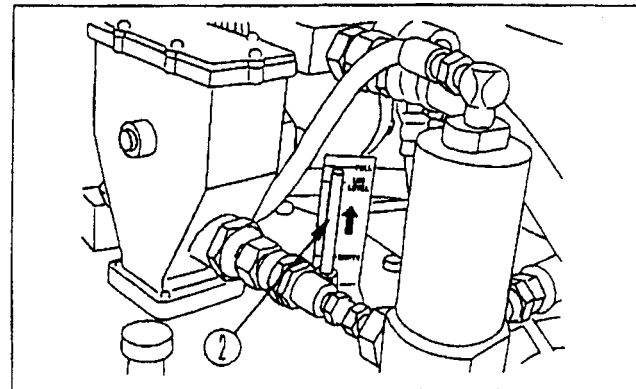


Fig. 2

Grease refilling facility

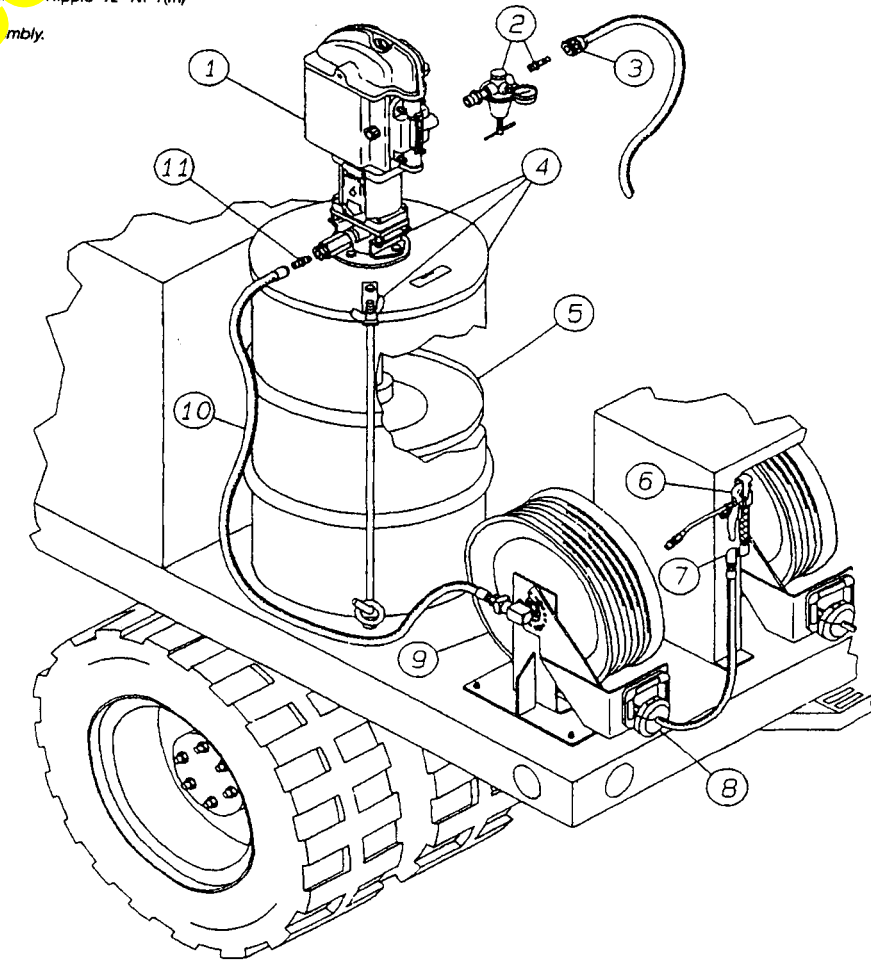
General Lubrication Products
Lube Truck

Grease Application

Bill of Materials

Model	Code	Req'd.	Description
2070	1	1	44:1 PowerMaster III Pump
602138	2	1	Air Regulator 1/4" NPT(m)
652008	3	1	Air Socket(f) for 1/2" I.D. Hose
81482	4	1	400 lb. Drum Cover with Pump Mounting Flange and Tie Rod Assemblies
83366	5	1	Follower Plate
740	6	*	Hi-Pressure Control Valve 1/4" NPT(f)
81387	7	*	Hi-Pressure Universal Swivel, 1/4" NPT(m) x 1/2-27 thread (m)
85516	8	*	Adjustable Rail Stop
85051	9	1	Complete Reel Assembly with 50' 1/4" Hose
76120B	10	1	Hi-Pressure Hose 3/8" NPT(f)
11197	11	2	Steel Hex Nipple 1/2" NPT(m)

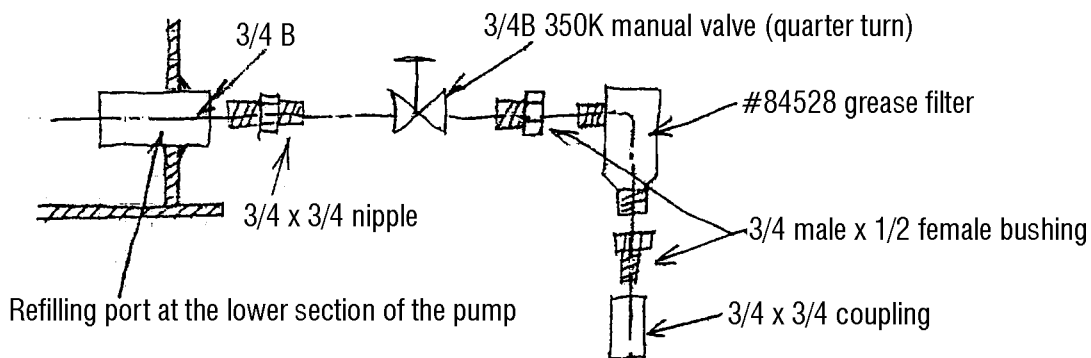
* Included in #85051 Reel Assembly.



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Fig. 3

<https://hespareparts.com>



Refilling procedure

1. Connect the pump hose to the coupler of this equipment.
2. Charge air to the pump
3. Open the refilling port valve of the greasing pump.
4. The pump will start automatically to refill the grease.
5. When the grease indicator pin rises to the specified level, close the valve.
6. The pump will stop automatically.

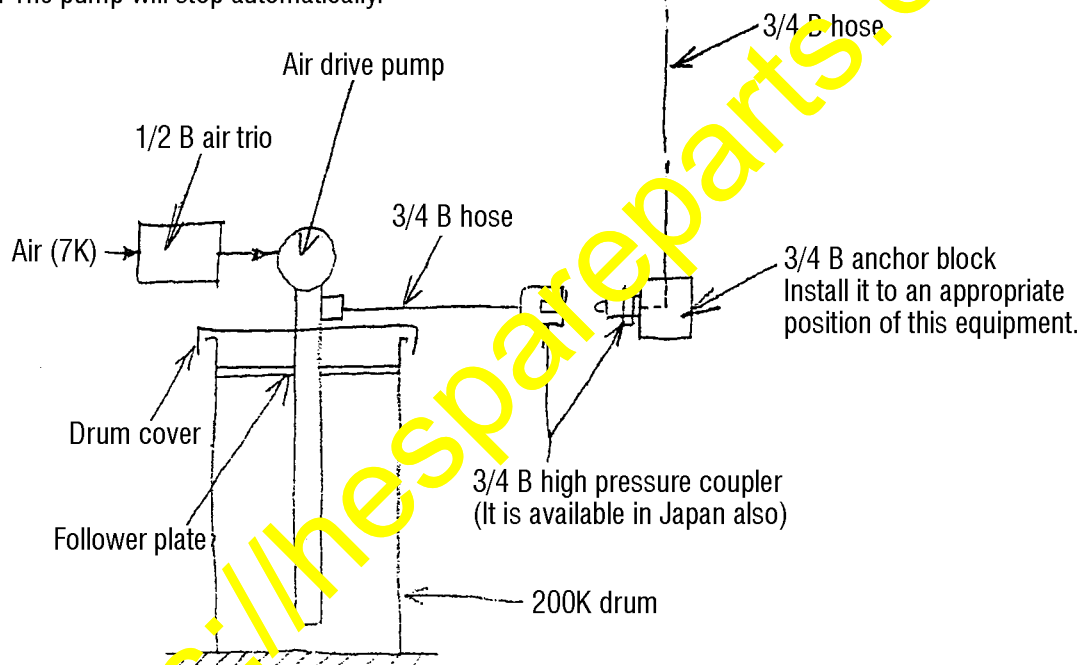


Fig. 4