

Komatsu HD465-8 and HD605-8 Installation Instructions



Instructions for installing a Graco automatic lubrication system on the Komatsu HD465-8 and HD605-8.

Part No. 17P600

Maximum System Working Pressure: 2750 psi (18.96 MPa, 189.6 bar)



Important Safety Information

Read all warnings and instructions in all Graco related component manuals and all Komatsu equipment manuals. Save all instructions.

Related Graco Component Manuals*

Manual No.	Manual Title
3A3956	Dyna-Star® HP Pump System
3A2960	GLC2200 Controller
308953	Injectors

*Refer to these instruction manuals for additional information related to the installation and operation of system components.

! WARNING



FLUID INJECTION HAZARD

Fluid leaks from incorrectly installed or ruptured components, and/or failure to verify the components are properly installed and tested, can result in serious injury such as fluid spraying in the eyes or on skin and fluid injection, or equipment damage. Installation must be done by a qualified professional or Komatsu certified technician and tested prior to use.

The information contained in this document is only a recommendation for an automatic lubrication system and is not intended to replace the installation and maintenance instructions provided by the original equipment manufacturer.

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Installation Checklist

The following checklist is provided as a tool to ensure all installation procedures are completed.

Completed	Description	Page
	Walk around the truck; use a grease gun to verify that all lube points receive grease.	6
	Grease all zerks, before removal	6
	Remove zerks and Komatsu extensions.	6
	Install grease point fittings	7
	Assemble Injectors	8
	Install remote fill	13
	Assemble the pump and fittings	14
	Install and route pump power cable	16
	Mount GLC2200 Controller bracket assembly	20
	GLC2200 Controller cable routing	23
	Wire the GLC2200 Controller	25
	Wire the pump to the GLC2200 Controller	27
	Program GLC2200 Controller	31
	Install the main feed line	34
	Cut hoses to length, apply hose wraps and fittings	34
	Hose Routing between Injectors and Grease Points. DO NOT CONNECT	37
	Install P-clamps	46
	Fill the pump reservoir with grease; purge the main feed line	48
	Run test program; verify all connections are tight; verify all points are receiving lubricant	51

Recommended Tools and Supplies

Tool	Size/Description	
	US	Metric
Combination wrench*	1/4 in. - 3/4 in.	6 mm - 20 mm
Socket set, standard and deep well with ratchet*	3/8 in. - 3/4 in.	9.5 mm - 20 mm
Screwdrivers: standard and Phillips	1 short; 1 long	
Adjustable wrench	1 small; 1 medium	
Impact wrench		
High speed drill (corded or cordless)		
Drill bit - steel, high quality	5/16 in., 11/16 in.	
Center punch	fine point	
Pipe taper tap	1/8 npt	
Hammer		
Angle grinder		
Grinding disc	Heavy grade grinding disc	
Flap disc	60 - 80 grit	
Cutoff disc	High quality disc	
Cutting blade / knife	Razor blade cutting tool	
Standard pliers		
Needle nose pliers		
Side cut pliers (diagonal cutters)		
Slip joint pliers		
Locking pliers	Small or medium	
Electrician's wire stripper / crimper	General duty wire stripper / crimper	
Soldering iron	30 watt minimum	
Electrical solder		
Soldering flux		
Shrink tubing	Various sizes	
Electrical tape	Black, small roll	
Thread sealant	Liquid thread sealant such as Loctite® 656	
Multi-tester / voltmeter	Must test DC/AC/Ohms	
Electrical connectors	Ring connectors (10, 18 and 24 gauge)	
Tape measure	Standard / metric	
Komatsu primer and paint	Color should match the Komatsu equipment	
Documentation / writing implements	Small note pad, pen, pencil, marker	

*Both US and Metric sizes of these tools are recommended.

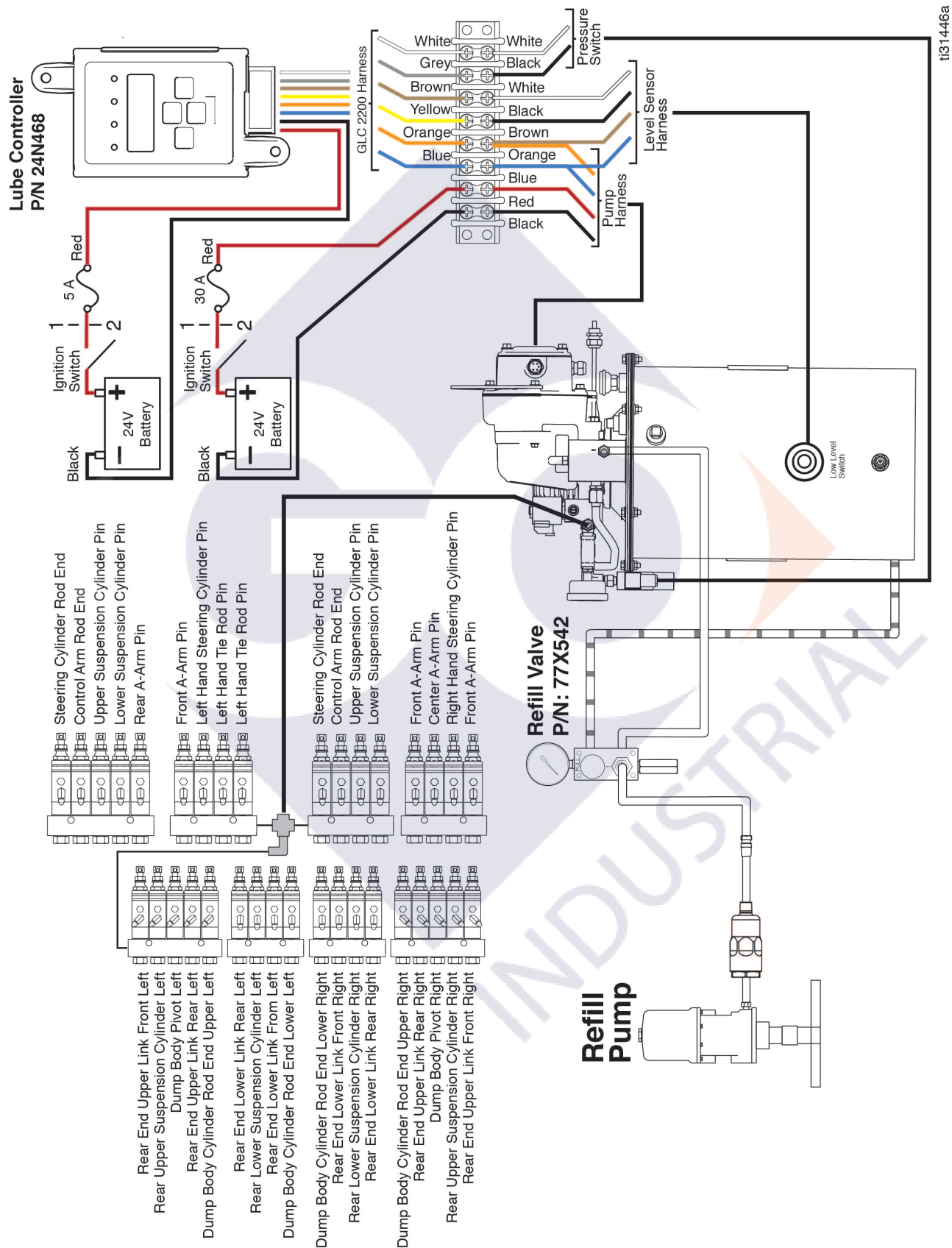
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Installation Notes

- Do not use PTFE tape on fitting threads. Liquid pipe sealant is recommended for use in lubrication systems to eliminate the potential for contamination. If you must use PTFE tape, always skip the first two threads on the fitting.
- Refer to the Installation Checklist provided on page 3 to ensure all installation procedures have been completed.
- Prime and paint all bare metal surfaces prior to installation with matching Komatsu primer and paint.

Typical Installation



ti31446a

NOTE: Photographs may include optional equipment.

Parts

Part No.	Description	Part No.	Description
77X202	EDS 24VDC 60 lb LL/AFSO	127512	P-clamp weld studs
77X000	EDS pump	127515	Extra large p-clamps
24T860	EDS pump lower rebuild kit	128006	Bearing line p-clamps
16N703	EDS pump motor	127009	Zip-ties
77X540	EDS pump vent valve	17D688	Add-a-fuse
17L372	Dyna-Star level sensor	557264	5 Amp ATM fuse
77X546	EDS power cable	17P339	In-line fuse holder
77X542	AFSO fill valve	17P340	30 Amp blade fuse
24N468	GLC2200	17P341	8 Terminal dual pole wiring strip
24W981	GLC2200 cable		
17G007	GLC2200 mounting kit		
126005	Gauge 5000 psi		
128568	Gauge fitting		
556404	Gauge adapter fitting		
24N181	Pressure switch		
128568	Pressure switch fitting		
165198	Pressure switch adapter fitting		
124300	Pressure switch cable		
129072	Low level cable		
24X804	GL1X-4 injectors		
17L754	GL1X-5 injectors		
100040	Injector line plug		
156849	Injector adapter fittings 3/8 in.		
17P336	3/8 in. HP hydraulic hose 5000 psi		
17P337	3/8 in. x -6JIC hose end		
117832	-6JIC x 3/6 npt straight		
120064	-6JIC x 3/8 npt elbow		
128567	3/8 in. Branch tee		
162024	3/8 in. Hex coupling		
128570	1/8 in. Hose - 200 ft		
128579	1/8 in. Spiral wrap - 160 ft		
128561	-4JIC hose fitting		
128581	1/4 in. Hose wrap - 80 ft		
555749	Bearing fittings straight		
556763	Injector outlet fitting elbow		
17K062	Long extension bspt		
17G422	Short extension bspt		
17K061	1/8 in. Street elbow bspt		
17S394	4 Bank injector weld bar		
17S395	5 Bank injector weld bar		

NOTE: Photographs may include optional equipment.

Graco Information



For additional information about these Graco products; including Warnings, Troubleshooting, and Technical Data refer to the Graco instruction manuals included with the equipment or visit the Graco website at www.graco.com to download the latest versions of Graco instruction manuals.