

TECHNICAL SERVICE BULLETIN

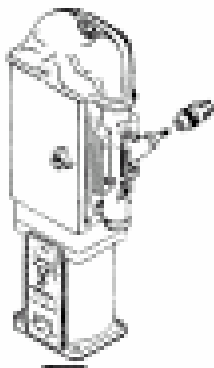
Bulletin Number: DC-2184

Date: 2/21/06

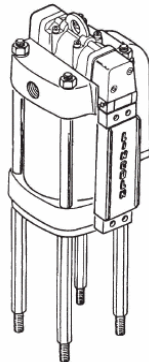
Affected Model(s): PowerMaster II & III, PileDriver II & III Pump Tubes

Subject: Pump Tube Identification Tips

From time to time we get calls asking us how to identify a pump tube that has a lost or removed identification plate. The first step in proper identification is to determine if you are looking at Series II or Series III product. The most common way that we help identify this is through the bolt configuration that is used to attach the tube to the airmotor or hydraulic motor—Series II has a “rectangular” bolt pattern (center to center approx. 3” X 5”), and Series III has a more “square” pattern (center to center approx. 4” X 4”). The next best way is to identify the vintage of the airmotor itself by physical description. Please refer to airmotor depictions below. If you identify the proper series by airmotor number, you are one step closer to pump tube identification.



**PM II
Airmotor**



**PM III
Airmotor**

If all else fails, we have compiled a listing (copy attached) of all pump plunger diameters to ease identification and speed up your service repair or replacement process. This listing includes plunger diameter for all tubes offered, the plunger part number, drum size (stub, 55 or 16 gallon), product dispensed-fluid (ball valve) or grease (shovel

valve), and pump tube model number. Simply get the plunger rod to the up position and measure with a micrometer. Then just compare your findings to the “plunger diameters” listed on the chart. A quick call to Lincoln Technical Services can help confirm your findings.

PUMP PLUNGER DIAMETERS

Series "1900" Power Master II Pumps				
Pump Model	Design	Drum Size	Plunger No.	Plunger Dia.
82790	Oil/Ball	55 Gallon	15013	1.156
82773	Oil/Ball	16 Gallon	15013	1.156
84335	Oil/Ball	Stub	16166	1.163
83163	Oil/Ball	55 Gallon	13376	0.686
82791	Grease/Shovel/B&P	55 Gallon	13374	0.966
82792	Grease/Shovel/B&P	55 Gallon	13375	0.808
82793	Grease/Shovel/B&P	55 Gallon	13376	0.686
82853	Grease/Shovel/B&P	16 Gallon	13376	0.686
83271	Grease/Shovel/B&P	55 Gallon	13996	0.761
83395	Grease/Shovel/B&P	16 Gallon	13996	0.761
82840	Grease/Shovel/B&P	16 Gallon	13374	0.966
82841	Grease/Shovel/B&P	16 Gallon	13375	0.808
83665	Grease/Shovel/B&P	55 Gallon	14306	0.582
84663	Grease/Shovel/B&P	16 Gallon	14306	0.582

Series "2200" Pile Driver II Pumps				
Pump Model	Design	Drum Size	Plunger No.	Plunger Dia.
83500	Oil/Ball	NA	92731	2.998
83502	Oil/Ball	NA	15012	1.749
83603	Oil/Ball	NA	15009	1.162
83604	Oil/Ball	NA	14201	0.936
83605	Oil/Ball	NA	14202	0.807
83606	Oil/Ball	NA	14203	0.685
83612	Grease/Shovel	NA	15012	1.749
83613	Grease/Shovel	NA	15010	1.311
83614	Grease/Shovel	NA	15011	1.162
83615	Grease/Shovel	NA	14206	1.034
83616	Grease/Shovel	NA	14207	0.936
84402	Oil/Ball	NA	16013	1.434
84412	Grease/Shovel	NA	16010	1.512
84413	Grease/Shovel	NA	16016	1.324
84414	Grease/Shovel	NA	16017	1.200
84415	Grease/Shovel	NA	16018	1.050

Series "2000" Power Master III Pumps				
Pump Model	Design	Drum Size	Plunger No.	Plunger Dia.
84981	Oil/Ball	55 Gallon	242840	1.163
84982	Oil/Ball	55 Gallon	242839	1.163
84983	Oil/Ball	55 Gallon	242839	1.163
84984	Oil/Ball	16 Gallon	242839	1.163
84985	Oil/Ball	55 Gallon	242839	1.163
84986	Oil/Ball	Stub	242841	1.163
84987	Oil/Ball	Stub	242842	1.163
84991	Grease/Shovel/B&P	55 Gallon	242929	0.967
84992	Grease/Shovel/B&P	16 Gallon	242929	0.967
84993	Grease/Shovel/B&P	55 Gallon	242930	0.809
84994	Grease/Shovel/B&P	16 Gallon	242930	0.809
84995	Grease/Shovel/B&P	55 Gallon	242931	0.762
84996	Grease/Shovel/B&P	16 Gallon	242931	0.762
84997	Grease/Shovel/B&P	55 Gallon	242932	0.687
84998	Grease/Shovel/B&P	16 Gallon	242932	0.687
84976	Grease/Shovel/PP	55 Gallon	242914	0.998
84977	Grease/Shovel/PP	16 Gallon	242914	0.998
84978	Grease/Shovel/PP	55 Gallon	242916	0.873
84979	Grease/Shovel/PP	16 Gallon	242916	0.873
85201	Grease/Shovel/B&P	55 Gallon	243247	0.625
85202	Grease/Shovel/B&P	16 Gallon	243247	0.625

Series "2300" Pile Driver III Pumps				
Pump Model	Design	Drum Size	Plunger No.	Plunger Dia.
84923	Oil/Flat Check	NA	239916	2.998
84922	Oil/Flat Check	NA	239934	2.250
84904	Oil/Flat Check	NA	237123	1.436
84921	Grease/Shovel	NA	239954	2.250
84900	Grease/Shovel	NA	237006	1.625
84901	Grease/Shovel	NA	236232	1.500
84902	Grease/Shovel	NA	237042	1.312

As always, if you have questions or concerns, please do not hesitate to call Lincoln Technical Services at 314/679-4200, ext. 4782, or fax us at 314/679-HELP (4357).

Regards,

Barry Frankum