

<b>Workshop and Service</b>	<b>Valid for:</b>	<b>USA Pavers</b>
	<b>Machine type:</b>	<b>F1000T Track Paver</b>
	<b>S/N°:</b>	<b>All Teir III US Track Pavers</b>
	<b>Valid from (date):</b>	<b>11/13/2012</b>
	<b>SI-N°:</b>	<b>SI-121113-0001</b>
	<b>Subject:</b>	<b>Accumulator Replacement and Precharge</b>
	<b>Part Number</b>	<b>D717090502</b>



Part of the Atlas Copco Group

SI-N°: SI-121113-0001

Date: 11/13/2012

To: All Service Departments

Attn.: Dynapac Technical Service

Author: Yongping Tang

Dynapac USA, Inc.

Name Rick Jantzi

Phone : +1-623 879 3711

Fax : +1-623 780 0206

**Description:** Payment required  Free of charge  By warranty procedure

The track tension accumulators could have been damaged when installed on the track paver and might not hold a charge.

If the accumulator does not have a nitrogen charge it must be removed and replaced with part# D717090502. After it has been installed it must also be charged with nitrogen to 2,160 psi.

Caution: Do not operate the track paver until the nitrogen precharge has been completed. Failure to do this will damage the accumulator!

**After performance of job, confirmation with serial number required**

By e-mail to: [rick.jantzi@us.atlascopco.com](mailto:rick.jantzi@us.atlascopco.com)  By Warranty On Line:

**Priority**

During next service       Soon as possible       Before next machine usage       If required

**Parts / Kits Required for:**

Retrofitting  Repairing  Replacing

**Part Numbers: P/N D717090502**

The new accumulator has no precharge and must be charged with nitrogen to 2,160 psi when installed.

**Estimate working time**

hours: 1 hour

## Attachments / Drawings

### Accumulator precharge procedure

1. Remove valve protection and valve seal caps (where applicable).
2. Attach appropriate HYDAC charging and gauging unit (Model Code: FPK 250 F2.5 G4 K) to the accumulator by following the instructions in the HYDAC Charging and Gauging Units manual #02068202. (See fig.2) Prior to connecting the charging and gauging unit to an accumulator, close manual bleed valve by hand tightening. Connect the unit to the accumulator by screwing cap nut onto HYDAC gas valve version 1(FPK). Hand tightens.
3. Once attached, slowly open the shut-off valve on the commercially available nitrogen bottle and allow the gas to slowly enter the accumulator. The first 20 to 25 PSI should take 2 to 3 minutes.
4. If gas precharge pressure is too low, continue charging; refer to HYDAC Charging and Gauging Units manual #02068202.
5. If gas precharge is too high, it can be reduced by carefully opening the manual bleed valve and relieving some pressure (see fig.3). Release the gas precharge pressure very slowly until the desired gas precharge pressure is reached 2160 psi, disconnect the charging and gauging unit from the accumulator. Check for leaks; NONE are permissible. Torque valve seal cap (see torque requirements below) and hand tighten valve protection cap (where applicable).

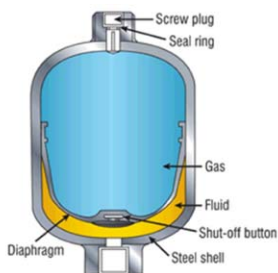


Fig.1 The structure of diaphragm accumulator

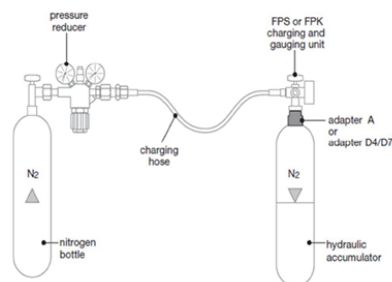


Fig.2 Connecting hydraulic accumulator and nitrogen bottle

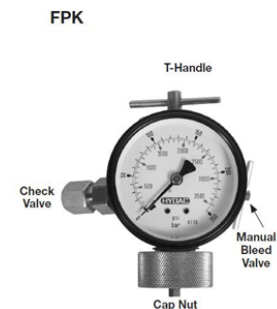


Fig.3 The profile of FPK

### WARNING!

