KOBELCO

SERVICE MANUAL

HYDRAULIC EXCAVATOR

K912A

K912ALC

Applicable: K912A LC-02017~
Applicable: K912ALC YC-00103~

S5LC0002E 07/03

MidWestTech | Kobelco K912A, K912ALC Hydraulic Excavator Service Manual | Publication S5LC0002E

Order the manual at mid-west-tech.com >

SPECIFICATION 仕様

Swing

Cracking Pressure

クラッキング圧力

Boost Check Valve

ブーストチェックバルブ　6.7kgf/cm²

Holding Check Valve

ホールディングチェックバルブ　1.8kgf/cm²

Anti-Cavitation Check Valve

アンチキャビチェックバルブ　0.1kgf/cm²

Relief Valve Setting Pressure

リリーフバルブ設定圧力

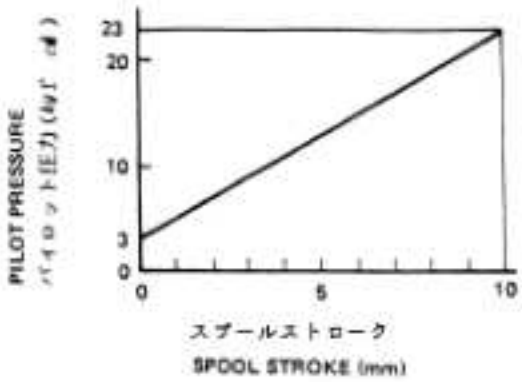
F11 250±5kgf/cm²

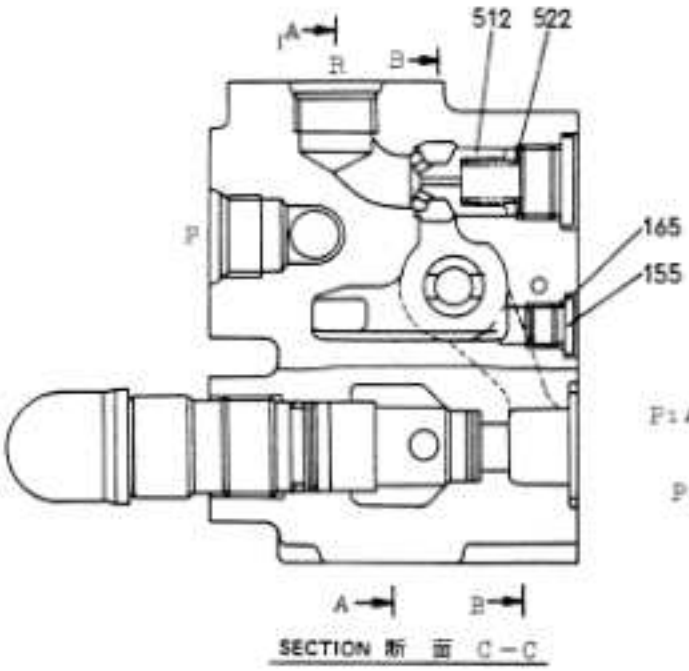
(at 205ℓ/min Back Pressure 4kgf/cm²)

F21 250±5kgf/cm²

(at 250ℓ/min Back Pressure 4kgf/cm²)

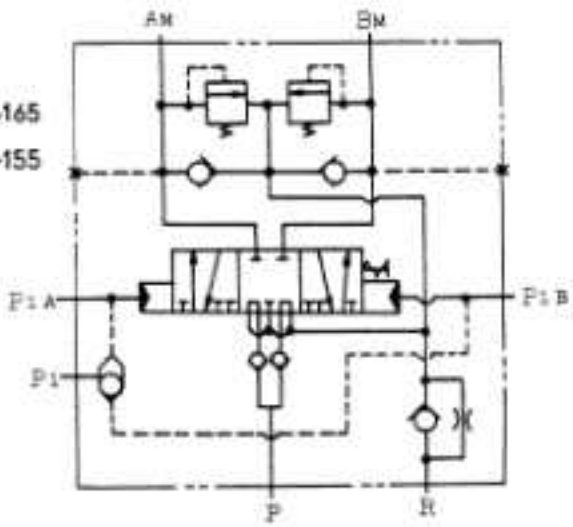
SPOOL OPERATION
スプール作動特性





SECTION 断面 C－C

SYMBOL 油圧記号

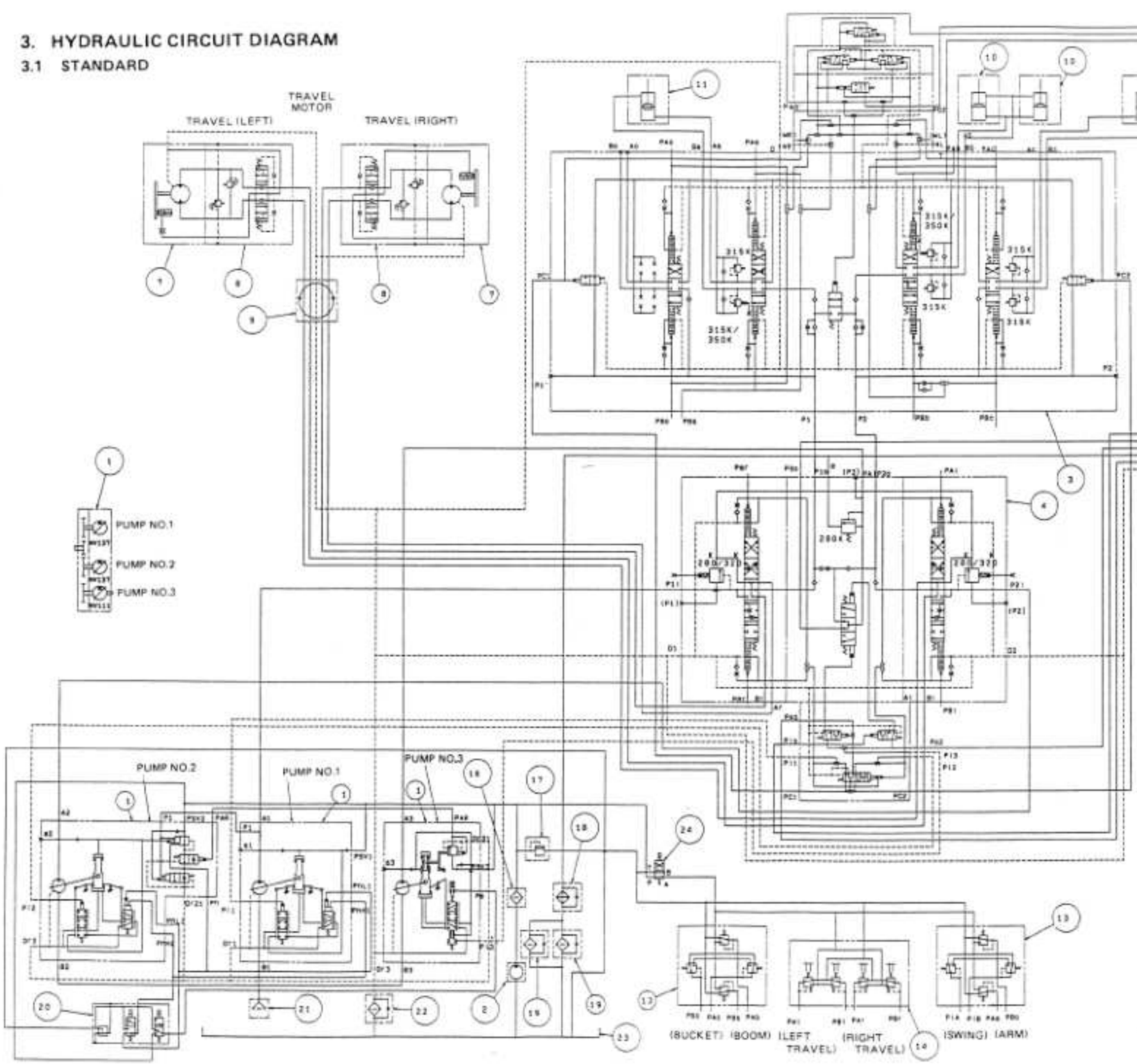


Name & Size 種類		Tightening Torque 締付トルク：kgf·cm	Parts No 符号
Capscrew ソケットボルト	M6	120±18	271, 272
	M12	700±70	171
RO Plug ROプラグ	PF¼	350~400	154, 253
	M12	100~125	251
	M24	1200~1400	551
Plug プラグ	PT3/8	450±20	153
Relief Valve リリーフバルブ	M33	1500±150	601
Spacer Bolt スペーサボルト	M8	160~180	332
RO Plug ROプラグ	M14	250~300	155

MidWestTech | Kobelco K912A, K912ALC Hydraulic Excavator Service Manual | Publicatio... Order the manual at mid-west-tech.com >

3. HYDRAULIC CIRCUIT DIAGRAM

3.1 STANDARD



WRIST CONTROL

Mark	Name	Remarks
1.	Hydraulic Pump	KV13DP3A
2.	Gear Pump	KP100P
3.	Control Valve	KMX19/22006
4.	Control Valve	KMX/T11007
5.	Swing Motor	LXS120-L5M1030
6.	Control Valve (Swing)	KSC19R
7.	Travel Motor	MAG-175P
8.	Travel Brake Valve	VBR-08PG-S
9.	Swivel Joint	2814-2-154686-02
10.	Boom Cylinder	30355-71200
11.	Arm Cylinder	30365-08900
12.	Bucket Cylinder	30365-0900
13.	Pilot Valve	5DT8103A
14.	Travel Pilot Valve	RCV6C4020A
15.		
16.	Inline Filter	–
17.	Relief Valve	VRD-03
18.	Oil Cooler	J467410000
19.	Return Filter	Y1635
20.	Solenoid Valve	VBS-160
21.	Strainer	SFB-40S-580
22.	Drain Filter	SP08-10-06
23.	Hydraulic Oil Tank	–
24.	Solenoid Valve	4WE6D
25.	Check Valve	LV12-50A

MidWestTech | Kobelco K912A, K912ALC Hydraulic Excavator Service Manual | Publication S5LC0002E

Order the manual at mid-west-tech.com >