KOBELCO

SHOP MANUAL

HYDRAULIC EXCAVATOR

SK40SR
SK45SR

S5PH0001E-00 NA

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14. MAIN PIPING

SK45SR

No.	NAME	Q'TY		REMARKS
A1	TUBE ; ø48.6	1		Suction
A2	TUBE ; ø48.6	1		Suction
A3	HOSE ; ø48.6-ø44.4	1		Suction
A4	HOSE ; ø48.6	1		Suction
A5	HOSE ; PF1/2 L=1,350	2		No.1, No.2 Pump delivery
A7	HOSE ; PF3/8 L=1,100	1		No.3 Pump delivery
A9	ELBOW ; PF1/2	2		
A11	BUSHING ; ø21	2		
A12	U BOLT	2		
A13	CLIP	8		
A14	CLIP	1		
A15	CLIP	1		
A16	CAPSCREW	1		M10×30
A17	CAPSCREW	1		M10×40
A18	CAPSCREW	4		M12×35
A19	NUT	5		
A20	WASHER	4		
A21	LOCK WASHER	4		
A22	O RING	1		
A23	NUT	1		
A24	ELBOW ; PF1/2-PF3/8	1		
A25	WASHER	2		
A26	ELBOW ; 2-PF1/2	1		
A27	GROMMET	1		
A28	CLIP	3		
B1	CONNECTOR ; PF3/4-PF1/2	1		
B3	CONNECTOR ; PF3/8	1		
B4	CONNECTOR ; PF3/4 L=88	1		
B5	CONNECTOR ; PF3/4	1		
B6	CONNECTOR ; PF3/8-PF1/2	1		
B7	TEE ; PF3/8	1		
B10	ELBOW ; PF3/4	1		
B12	TEE ; PF3/4	1		
B14	HOSE ; PF3/8 L=460	1		Travel motor drain
B21	CLIP	1		
B23	CAPSCREW	1		M10×25
B24	NUT	1		
B25	WASHER	2		
B26	CLIP	1		
B29	CLIP	2		
B31	ELBOW ; PF3/4-PF1/2	1		
B36	HOSE ; PF1/2 L=550	1		C/V T1 return
B37	HOSE ; PF1/2 L=840	1		C/V T2 return
B38	HOSE ; PF1/2 L=800	1		Make up oil to slewig motor
B39	HOSE GUARD	1		

No.	NAME	Q'TY		REMARKS
B40	HOSE ; PF1/2 L=1,250	1		Travel+Slewing motor drain
B45	CONNECTOR ; PF1/2	1		
B46	HOSE ; PF3/4 L=380	1		Oil cooler return
B49	HOSE GUARD	2		
B54	PLUG ; PF1/2	1		
B56	CONNECTOR ; PF1/2 L=32	1		
C1	CONNECTOR ; PF1/2 L=41	3		
C2	CONNECTOR ; PF1/2 L=70	5		
C3	CONNECTOR ; PF1/2 L=46	1		
C4	CONNECTOR ; PF1/2-PF3/8	1		
C6	CONNECTOR ; PF1-PF3/4	1		
C7	CONNECTOR ; PF1/2	1		
C8	CONNECTOR ; PF1/2-PF3/8 L=30	1		
C9	CONNECTOR ; PF3/4	1		
C10	ELBOW ; PF1/2	1		
C11	ELBOW ; PF3/8	1		
C14	TEE ; PF3/4	1		
C15	GROMMET	1		
C16	BRACKET	1		
C17	CLAMP	4		
C18	BUSHING	8		
C19	BUSHING	2		
C22	CAPSCREW	2		M10×35
C23	CAPSCREW	4		
C24	WASHER	2		
C25	LOCK WASHER	4		
C26	HOSE ; PF3/8 L=700	1		Dozer (H)
C27	HOSE ; PF3/8 L=800	1		Dozer (R)
C28	HOSE ; PF3/8 L=1,000	1		Swing (R)
C29	HOSE ; PF3/8 L=1,300	1		Swing (H)
C30	HOSE ; PF1/2 L=1,150	1		Slewing left
C31	HOSE ; PF1/2 L=700	1		Slewing left reverse
C32	HOSE ; PF1/2 L=700	2		Travel left forward, Right forward
C33	HOSE ; PF1/2 L=1,350	1		Slewing right
C34	HOSE ; PF1/2 L=2,100	1		Boom (R)
C35	HOSE ; PF1/2 L=2,050	1		Bucket (R)
C36	HOSE ; PF1/2 L=2,400	1		Arm (R)
C41	PLUG ; PF1/4	3		
C42	TEE ; PF3/8-PF3/8-PF1/4	1		
C45	HOSE ; PF1/2 L=800	1		Travel right reverse
C46	HOSE ; PF1/2 L=2,150	1		Boom (H)
C47	HOSE ; PF1/2 L=2,100	1		Bucket (H)
C48	HOSE ; PF1/2 L=2,450	1		Arm (H)
C50	CONNECTOR ; PF3/4-PF1/2	1		
C52	CHECK VALVE ; PF3/4	1		

No.	NAME	Q'TY		REMARKS
C53	CONNECTOR ; PF3/4	1		
C54	ELBOW ; PF1/2	3		
C55	CONNECTOR ; PF1/2-PF3/8 L=60	1		
C57	CONNECTOR ; PF3/8-PF1/4 L=23	2		
C58	CONNECTOR ; PF1/2-PF3/8 L=90	1		
C59	CONNECTOR ; PF1/2-PF3/8 L=50	1		
C61	HOSE GUARD	4		
C63	CLAMP	2		
C64	CONNECTOR ; PF1/2 L=90	1		
D1	HOSE ; PF3/8 L=540	1		
D2	ELBOW ; PF3/8-PF3/8	1		
D3	ELBOW ; PF1/8-PF1/4	1		
D4	GREASE NIPPLE	1		
D5	CLIP	3		
D6	ELBOW ; PF3/8-PF3/8	1		
D7	CONNECTOR ; PF3/8-PF3/8	1		
D8	CONNECTOR ; PF3/8-PF3/8	1		
E1	TUBE	1		
E2	TUBE	1		
E3	TUBE	2		
E4	CLAMP	2		
E5	CLAMP	1		
E6	CLAMP	4		
E8	CAPSCREW	1		M10×30
E9	CAPSCREW	6		M10×40
E10	LOCK WASHER	1		
E11	LOCK WASHER	6		
E12	TUBE	2		
E13	CLAMP	2		
E14	CAPSCREW	4		M8×40
E15	LOCK WASHER	4		
E21	CONNECTOR ; PF1/2-PF1/2	2		
E22	HOSE ; PF1/2 L=860	2		Boom (H)&(R)
E31	HOSE ; PF1/2 L=720	1		Arm (H)
E32	HOSE ; PF1/2 L=1,480	1		Arm (R)
E33	ELBOW ; PF1/2-PF1/2	1		
E34	CONNECTOR ; PF1/2-PF1/2	2		
E35	CLIP	1		
E36	CAPSCREW	1		M10×16
E37	LOCK WASHER	1		
E41	HOSE ; PF1/2 L=800	2		Bucket (R)&(H)
E51	CONNECTOR ; PF1/2-PF1/2	2		

No.	NAME	Q'TY		REMARKS
F1	CONNECTOR ; PF3/8	1		
F3	ELBOW ; PF3/8-PF3/8	1		
F4	ELBOW ; PF3/8	2		
F6	CONNECTOR ; PF1/2 L=32	1		
F7	CONNECTOR ; PF1/2 L=41	1		
F21	CONNECTOR ; PF1/2-ø18	4		
F22	CONNECTOR ; PF3/8-ø15	2		
F23	CONNECTOR ; PF1/4-ø10	2		
F24	CONNECTOR ; PF3/8-PF3/8	2		
F25	O RING	4		1B P18
F26	O RING	2		1B P14
F27	O RING	2		1B P11
G1	TUBE ; ø18	1		
G2	TUBE ; ø18	1		
G3	TUBE ; ø18	1		
G4	TUBE ; ø18	1		
G5	TUBE ; ø15	1		
G6	TUBE ; ø15	1		
G7	TUBE ; ø10	1		
G8	TUBE ; ø10	1		
G9	TUBE ; ø15	1		
G10	TUBE ; ø15	1		
G11	HOSE ; PF3/8-210kg L=420	1		Dozer (H)
G12	HOSE ; PF3/8-210kg L=650	1		Dozer (R)
G13	CLAMP	2		
G14	CLAMP	2		
G15	CLAMP	2		
G16	CAPSCREW	6		M8×35
G17	LOCK WASHER	6		
G18	WASHER	4		
G19	SPACER	2		
G20	SPACER	2		
H1	CONNECTOR ; PF1/2	4		
H2	CONNECTOR ; PF1/4	2		
H3	CONNECTOR ; PF1/4	2		
H4	O RING	4		1B P18
H5	O RING	4		1B P11
J1	CONNECTOR ; PF3/8-PF3/8	2		

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