

CATERPILLAR VRG-20/2

G8S / SEBP3545

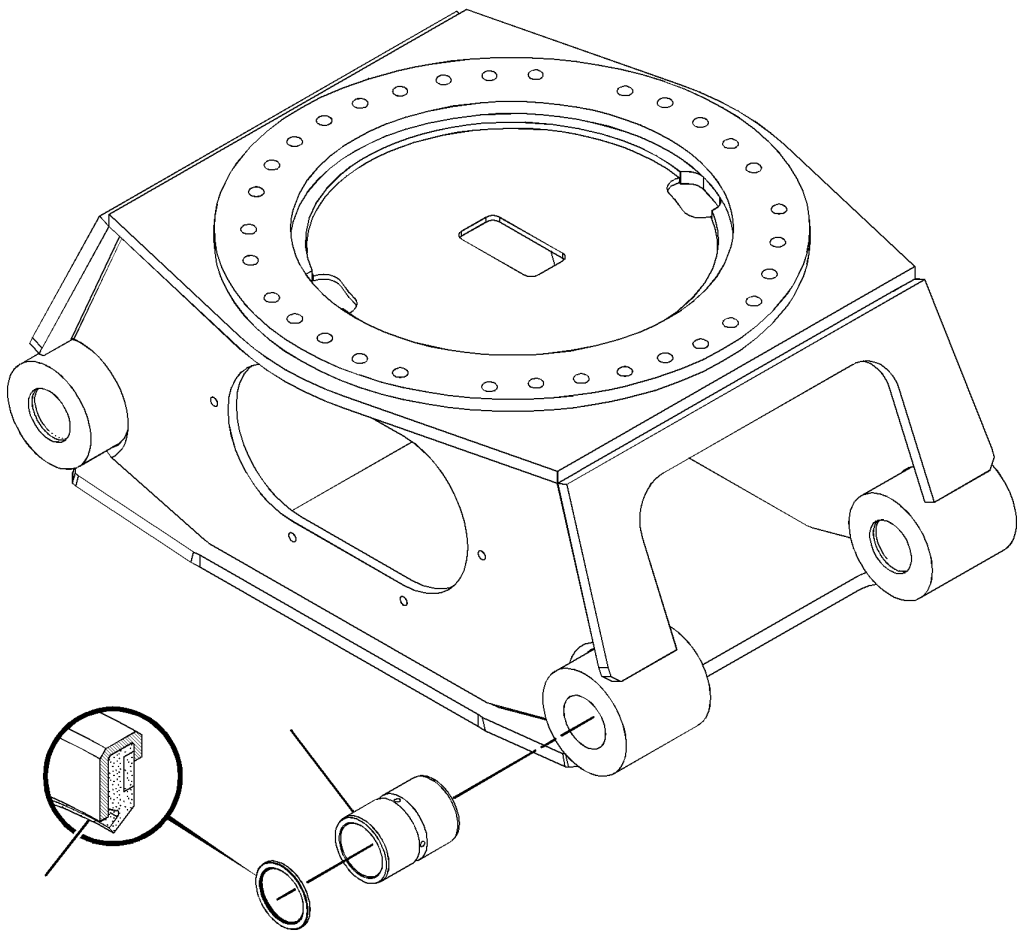
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Basic engine	

282-9859 HOUSING GP-GRAPPLE

282-9859 HOUSING GP-GRAPPLE S/N G8S1-UP PART OF 282-9847, 282-9848 GRAPPLE GP

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	093-1433	SEAL-LIP TYPE	8		
2	364-1071	BUSHING	4		
PARTS SHOWN IN GRAPHIC(S) WITHOUT A REFERENCE NUMBER ARE NOT SERVICED SEPARATELY					

255-2308 CHART-CONNECTING LINES

255-2308 CHART-CONNECTING LINES S/N CZC1-UP; G8S1-UP

Drawing 1 of 1

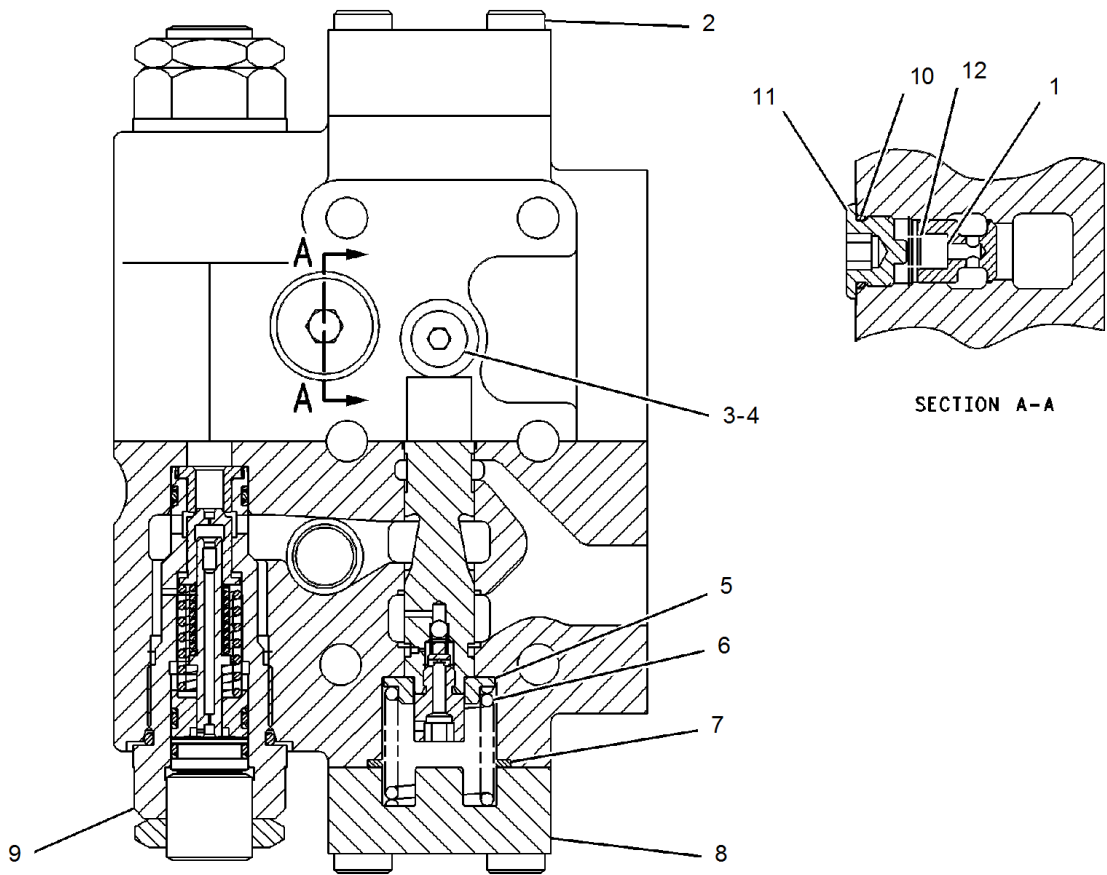
TOOL	MACHINE	LINES GP	FITTING GP			
			-3146	-3147	-3148	-3149
VRG-	M313C	-3141	X	X		
	M315C		X	X		
	M316C		X	X		
	312C	-3142	X			
	315C		X			

Ref.	Part number	Description	Qty	Code	Group page
(PLEASE REFER TO CHART)					

288-1391 CYLINDER & LINES GP-GRAPPLE

288-1391 CYLINDER & LINES GP-GRAPPLE S/N G8S1-UP PART OF 282-9847, 282-9848 GRAPPLE GP

Drawing 1 of 1



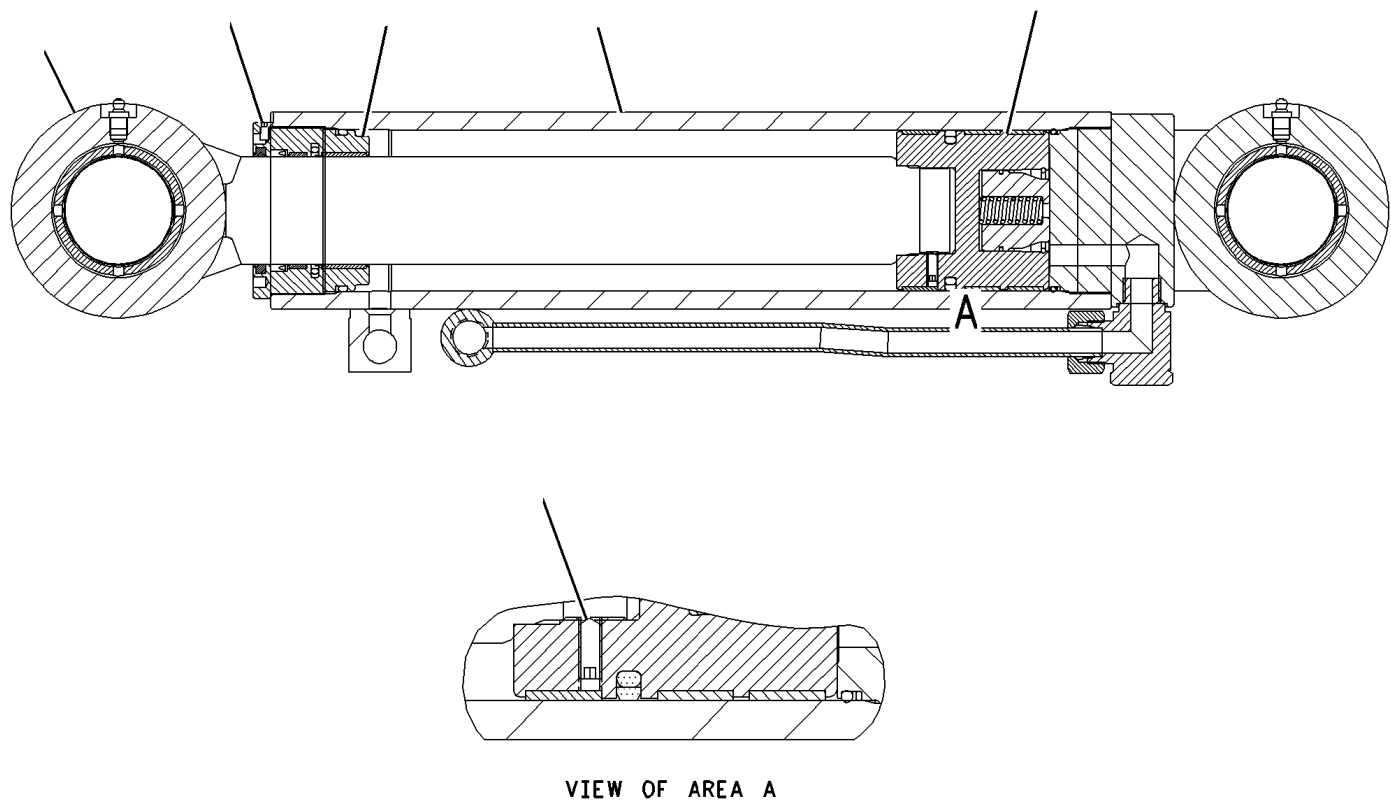
Ref.	Part number	Description	Qty	Code	Group page
1	224-0189	CYLINDER GP-HYDRAULIC (GRAPPLE)	1	Y	
2	224-0191	HOSE AS	2	I	
3	148-8370	ELBOW AS	4		
(EACH INCLUDES)					
	6V-9851	ELBOW	1		
	6V-8398	SEAL-O-RING	1		
4	155-8994	ADAPTER AS	4		
(EACH INCLUDES)					
	6V-8398	SEAL-O-RING	1		
	155-9644	SEAL	1		

CAT codes: I, Y.

224-0189 CYLINDER GP-HYDRAULIC

224-0189 CYLINDER GP-HYDRAULIC S/N CZC1-UP; G8S1-UP 90MM (3.54 IN) BORE X 300MM (11.81 IN) STROKE PART OF 220-8504, 288-1391 CYLINDER & LINES GP-GRAPPLE

Drawing 1 of 1



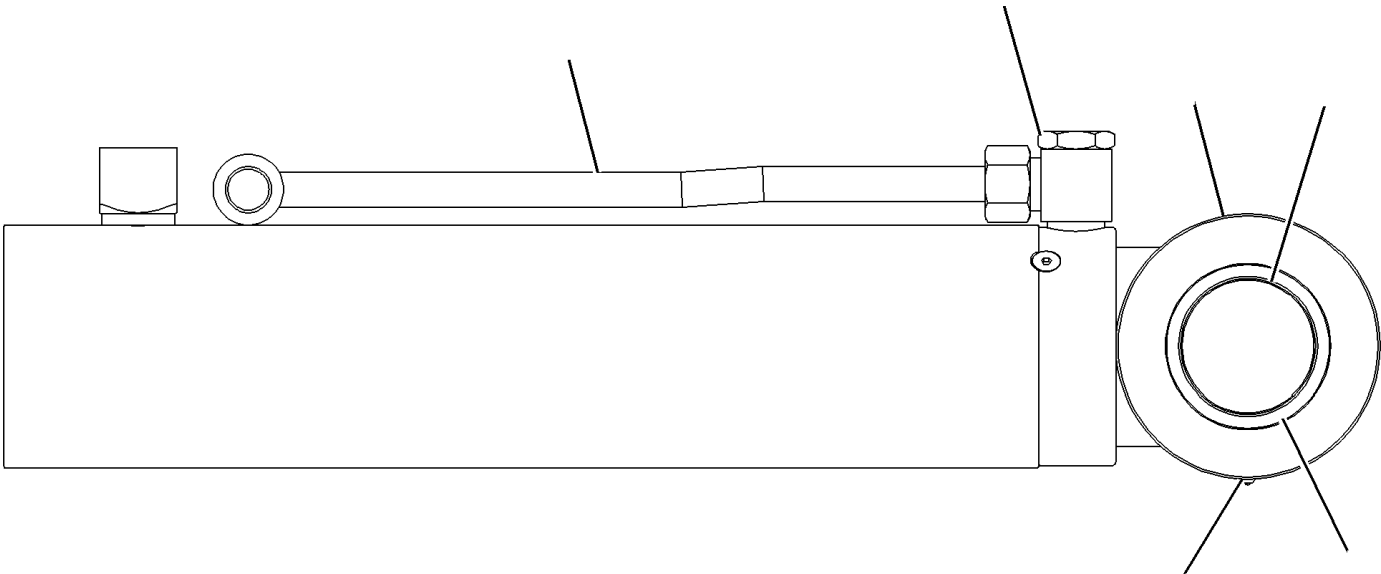
Ref.	Part number	Description	Qty .	Code	Group page
1	229-8529	CYLINDER GP-HYDRAULIC	1	Y	
2	229-8530	ROD GP-HYDRAULIC CYLINDER	1		
	5W-2817	FITTING-GREASE	1		
	093-1433	SEAL-LIP TYPE	2		
	225-5338	BUSHING	1		
	231-4453	ROD AS	1		
3	229-8532	HEAD	1		
4	236-0954	KIT-PISTON	1		
5	230-8991	SETSCREW (M6X1-THD)	1		
6	230-8992	SCREW	1		
AVAILABLE REPAIR KIT(S):					
	225-4031	KIT-SEAL	1		
(INCLUDES SEALS)					

CAT codes: Y.

229-8529 CYLINDER GP-HYDRAULIC

229-8529 CYLINDER GP-HYDRAULIC S/N CZC1-UP; G8S1-UP PART OF 224-0189 CYLINDER GP-HYDRAULIC

Drawing 1 of 1



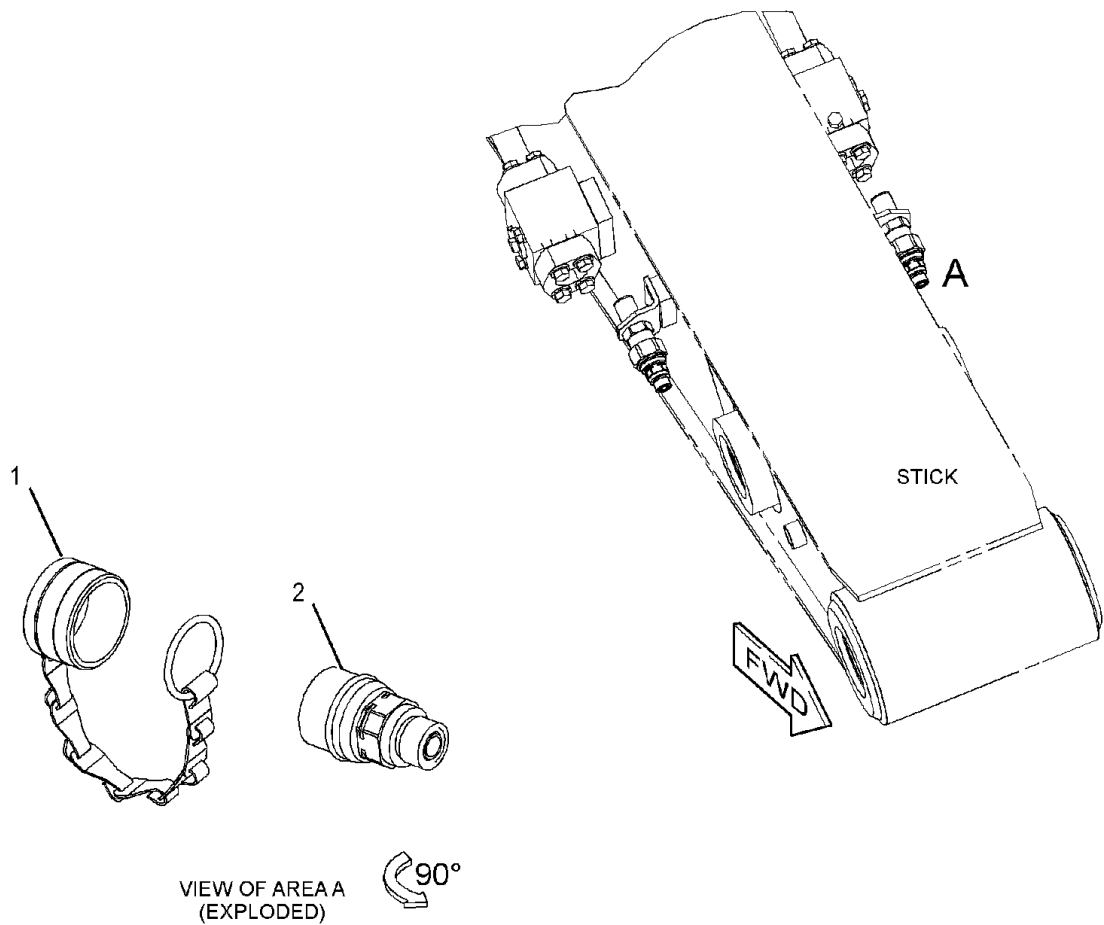
Ref.	Part number	Description	Qty	Code	Group page
1	5W-2817	FITTING-GREASE	1		
2	093-1433	SEAL-LIP TYPE	2		
3	225-5338	BUSHING	1		
4	229-8538	CYLINDER GP-HYDRAULIC	1		
	177-0344	SEAL-O-RING	1		
	230-8993	SCREW-FLAT HEAD (M6X1X12-MM)	1	M	
5	229-8539	TUBE AS	1		
6	145-6288	FITTING	1		

CAT codes: M.

244-3146 FITTING GP-HYDRAULIC

244-3146 FITTING GP-HYDRAULIC

Drawing 1 of 1



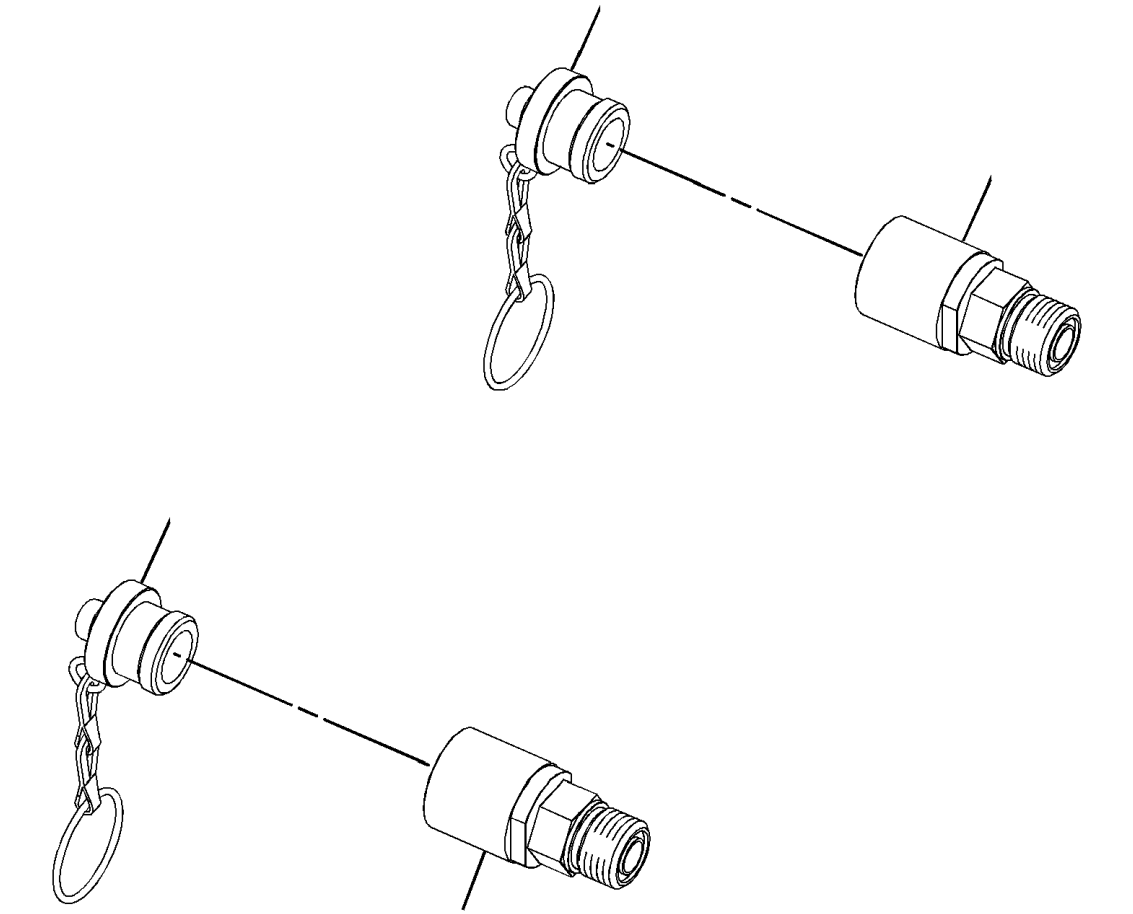
Ref.	Part number	Description	Qty	Code	Group page
1	239-3481	CAP-DUST	2		
2	241-3662	FITTING GP-HYDRAULIC (QUICK DISCONNECT, FEMALE)	2	J	
(EACH INCLUDES)					
	6V-8398	SEAL-O-RING	1		
AVAILABLE REPAIR KIT(S):					
	239-3482	KIT-REPAIR (QUICK DISCONNECT)	1	J	
(INCLUDES O-RINGS, SEAL & RINGS)					

CAT codes: J.

244-3147 FITTING GP-HYDRAULIC

244-3147 FITTING GP-HYDRAULIC

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	114-9149	FITTING (QUICK DISCONNECT, MALE)	2		
2	114-9154	CAP	2		

233-7824 LINES GP-CONNECTING

233-7824 LINES GP-CONNECTING S/N G9A1-UP; CZC1-UP; CZD1-UP; G8S1-UP

Arrangement composition. Follow the table links to the component drawings.

Ref.	Part number	Description	Qty	Code	Group page
	234-5666	LINES GP-CONNECTING	1	Y	
	234-5690	LINES GP-CONNECTING	1	Y	

CAT codes: Y.

233-7825 LINES GP-CONNECTING

233-7825 LINES GP-CONNECTING S/N G8S1-UP

Arrangement composition. Follow the table links to the component drawings.

Ref.	Part number	Description	Qty	Code	Group page
	234-5665	LINES GP-CONNECTING	1	Y	
	234-5689	LINES GP-CONNECTING	1	Y	

CAT codes: Y.

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