

CATERPILLAR 330D2

HXM / SEBP6013

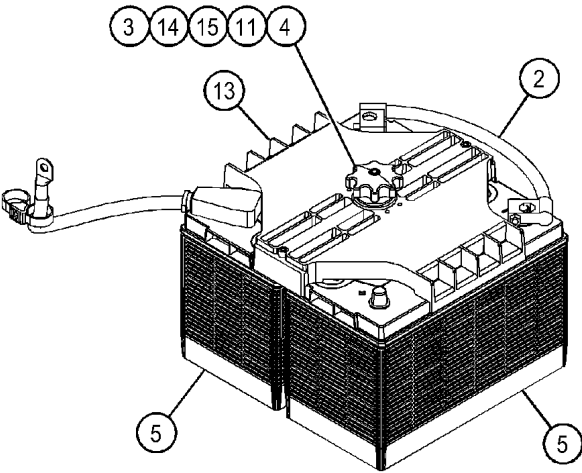
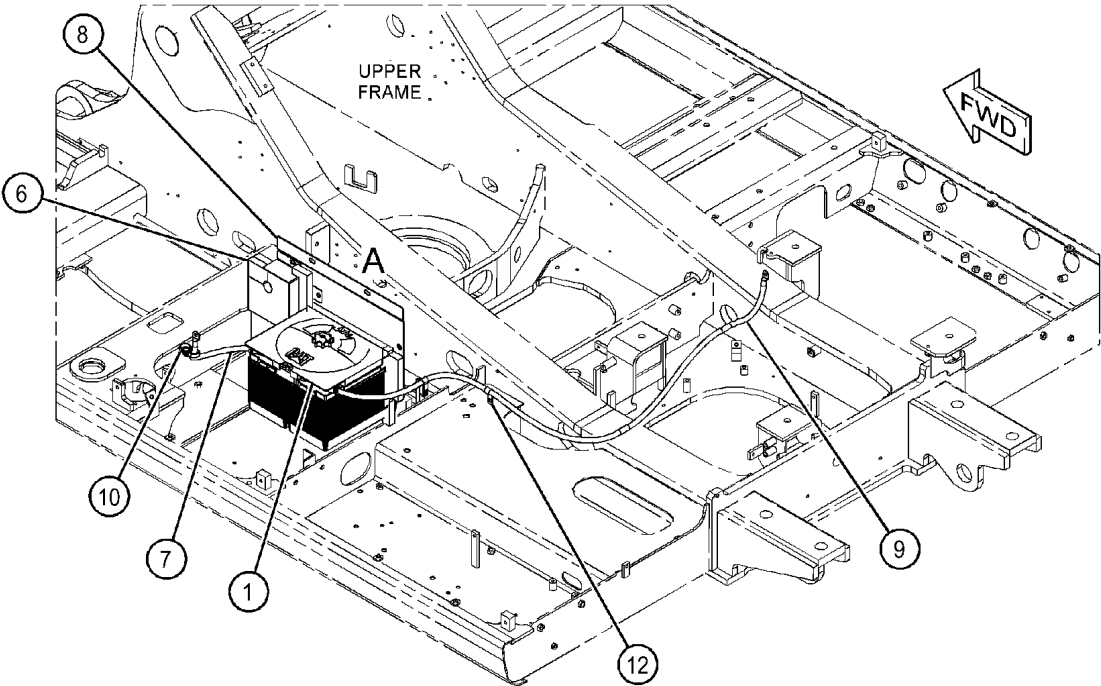
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Air inlet and exhaust	
Catalog items	
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Basic engine	

431-1654 BATTERY & WIRING GP -COLD WEATHER

431-1654 BATTERY & WIRING GP -COLD WEATHER S/N HXM1-UP PART OF 449-9906 STARTING AR-COLD WEATHER AN ATTACHMENT

Drawing 1 of 1



VIEW OF AREA A
(PARTS REMOVED FOR CLARITY)

Ref.	Part number	Description	Qty	Code	Group page
1	5I-8270	COVER-BATTERY	1		
2	170-6929	CABLE AS (JUMPER)	1		
	159-8049	CABLE (00-GA, RED)(31-CM)		E	
	9G-0002	COVER AS-TERMINAL (RED)	1		

431-1654 BATTERY & WIRING GP -COLD WEATHER (continued)

Ref.	Part number	Description	Qty	Code	Group page
	9G-0005	COVER AS-TERMINAL (BLACK)	1		
(EACH TERMINAL COVER INCLUDES)					
	8L-8413	STRAP-CABLE (WHITE)	1		
	8C-5918	TERMINAL AS-BATTERY (NEGATIVE)	1		
	8T-9756	TERMINAL AS-BATTERY (POSITIVE)	1		
(EACH TERMINAL AS INCLUDES)					
	1M-6119	BOLT (5/16-18X1.375-IN)	1		
	1M-6120	NUT (5/16-18-THD)	1		
3	238-2501	KNOB	1		
4	238-2528	ROD	1		
5	9X-3404	BATTERY GP (12-VOLT, MAINTENANCE FREE, WET)	2		
OR alternate consist option CAT source: -OR-					
	115-2422	BATTERY GP (12-VOLT, MAINTENANCE FREE, WET)	2		
(EACH INCLUDES)					
	123-1373	CAP AS-FILLER (7/8-9-THD)	6		
6	337-1100	SHEET AS-SOUND SUPPRESSION	1	Y	
7	342-3125	CABLE AS	1		
	1S-7252	TERMINAL-CABLE (00-GA, 3/8-IN SCREW)	1		
	6V-2722	TUBE-HEAT SHRINK (25.4-MM DIA)(0.1-M)	1	D	
	7N-5274	COVER AS-TERMINAL (BLACK)	1		
	8L-8413	STRAP-CABLE (WHITE)	1		
	3S-6050	TERMINAL AS-BATTERY (NEGATIVE)	1		
	1M-6119	BOLT (5/16-18X1.375-IN)	1		
	1M-6120	NUT (5/16-18-THD)	1		
	159-8050	CABLE (00-GA, BLACK)(42-CM)		E	
8	346-2721	SHEET AS-SOUND SUPPRESSION	1	Y	
9	420-6361	CABLE AS (STARTER)	1		
	1S-7252	TERMINAL-CABLE (00-GA, 3/8-IN SCREW)	1		
	8N-1725	COVER AS-TERMINAL (RED)	1		
	8L-8413	STRAP-CABLE (WHITE)	1		
	3S-6049	TERMINAL AS-BATTERY (POSITIVE)	1		
	1M-6119	BOLT (5/16-18X1.375-IN)	1		
	1M-6120	NUT (5/16-18-THD)	1		
	159-8049	CABLE (00-GA, RED)(195-CM)		E	
10	177-2215	STRAP-DUAL CLAMP	1		
11	5C-7261	NUT (M8X1.25-THD)	1	M	

431-1654 BATTERY & WIRING GP -COLD WEATHER (continued)

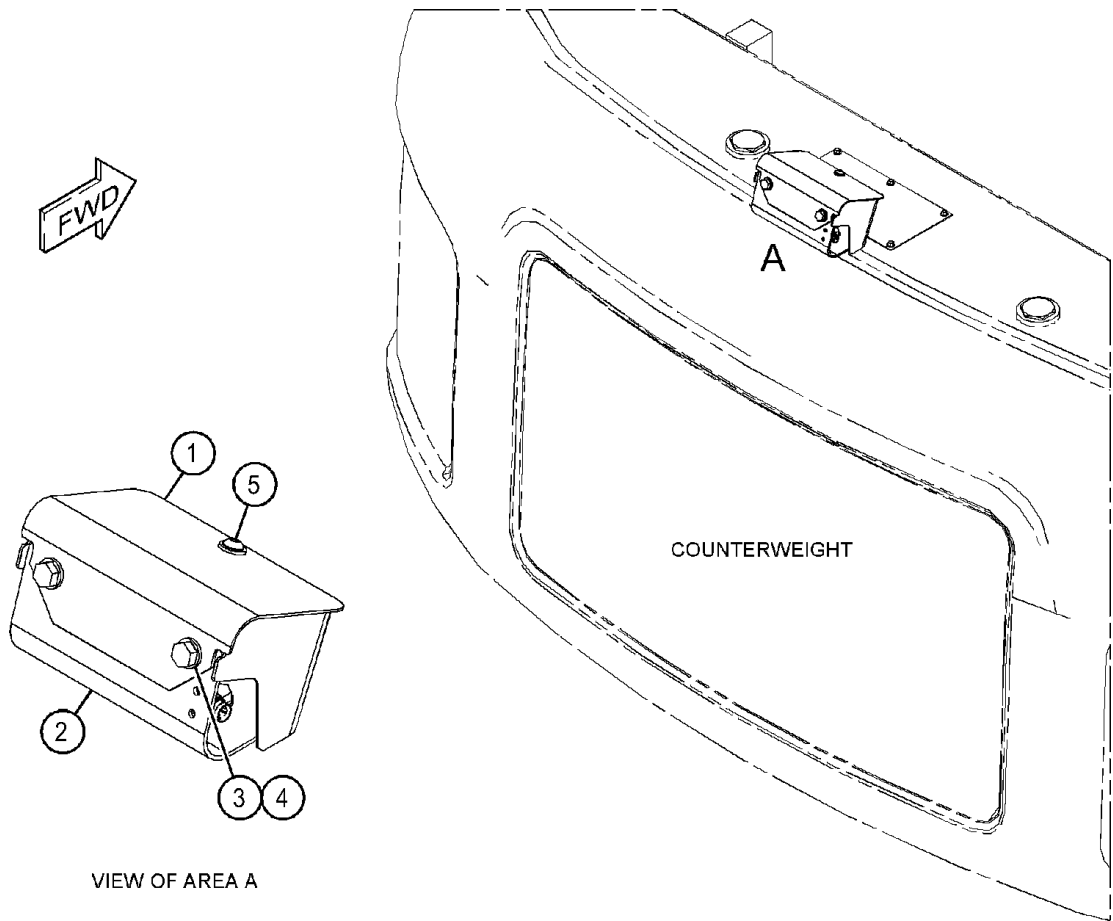
Ref.	Part number	Description	Qty	Code	Group page
12	6K-8178	CLIP (LOOP)	2		
13	6W-6005	HOLD-DOWN-BATTERY	1		
14	8T-4133	NUT (M10X1.5-THD)	1	M	
15	8T-4226	WASHER-PLATED (10.5X45X3-MM THK)	1		

CAT codes: D, E, M, Y.

459-0359 CAMERA & MOUNTING GP -WORK AREA VISUAL SYSTEM, REAR

459-0359 CAMERA & MOUNTING GP -WORK AREA VISUAL SYSTEM, REAR S/N HXM1-UP PART OF 493-7104 CAMERA AR AN ATTACHMENT

Drawing 1 of 1



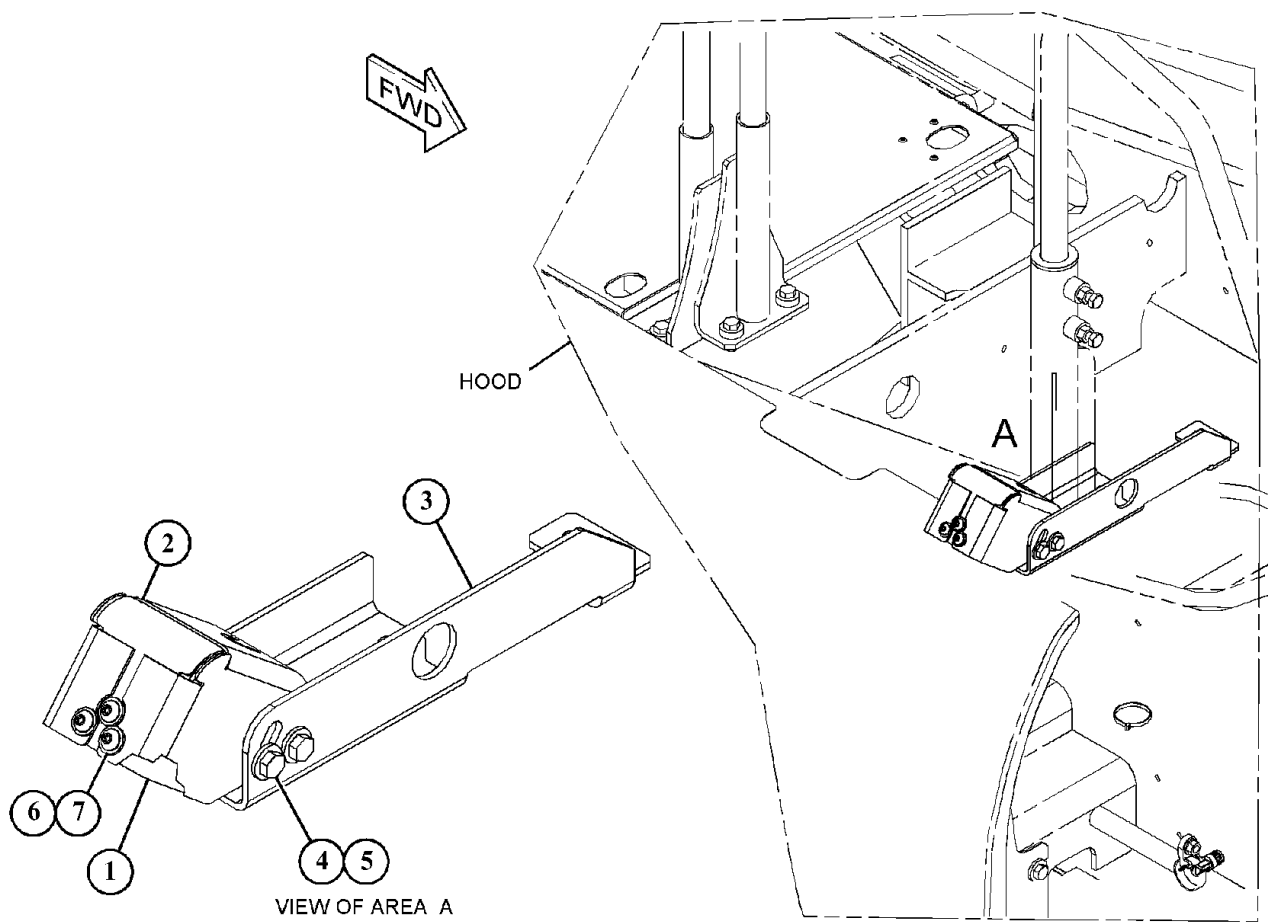
Ref.	Part number	Description	Qty	Code	Group page
1	459-0360	COVER	1		
2	460-6371	CAMERA GP (WORK AREA VISUAL SYSTEM, REAR)	1	Y	
3	8T-4121	WASHER-HARD (11X21X2.5-MM THK)	4		
4	8T-4137	BOLT (M10X1.5X20-MM)	4	M	
5	9X-2043	SCREW-TRUSS HEAD (M6X1X14-MM)	1	M	

CAT codes: M, Y.

492-8874 CAMERA & MOUNTING GP

492-8874 CAMERA & MOUNTING GP S/N HXM1-UP PART OF 493-7104 CAMERA AR AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	490-2633	CAMERA GP (SIDE VIEW)	1	Y	
2	490-9251	COVER AS	1		
3	490-9351	BRACKET	1		
4	7X-7729	WASHER (11X25X3-MM THK)	3		
5	8T-4137	BOLT (M10X1.5X20-MM)	3	M	
6	9X-2038	WASHER (7X19X2-MM THK)	3		
7	9X-2043	SCREW-TRUSS HEAD (M6X1X14-MM)	3	M	

CAT codes: M, Y.

493-7104 CAMERA AR -WORK AREA VISUAL SYSTEM

493-7104 CAMERA AR -WORK AREA VISUAL SYSTEM S/N HXM1-UP PART OF 549-0732 DISTRIBUTION AR AN ATTACHMENT

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

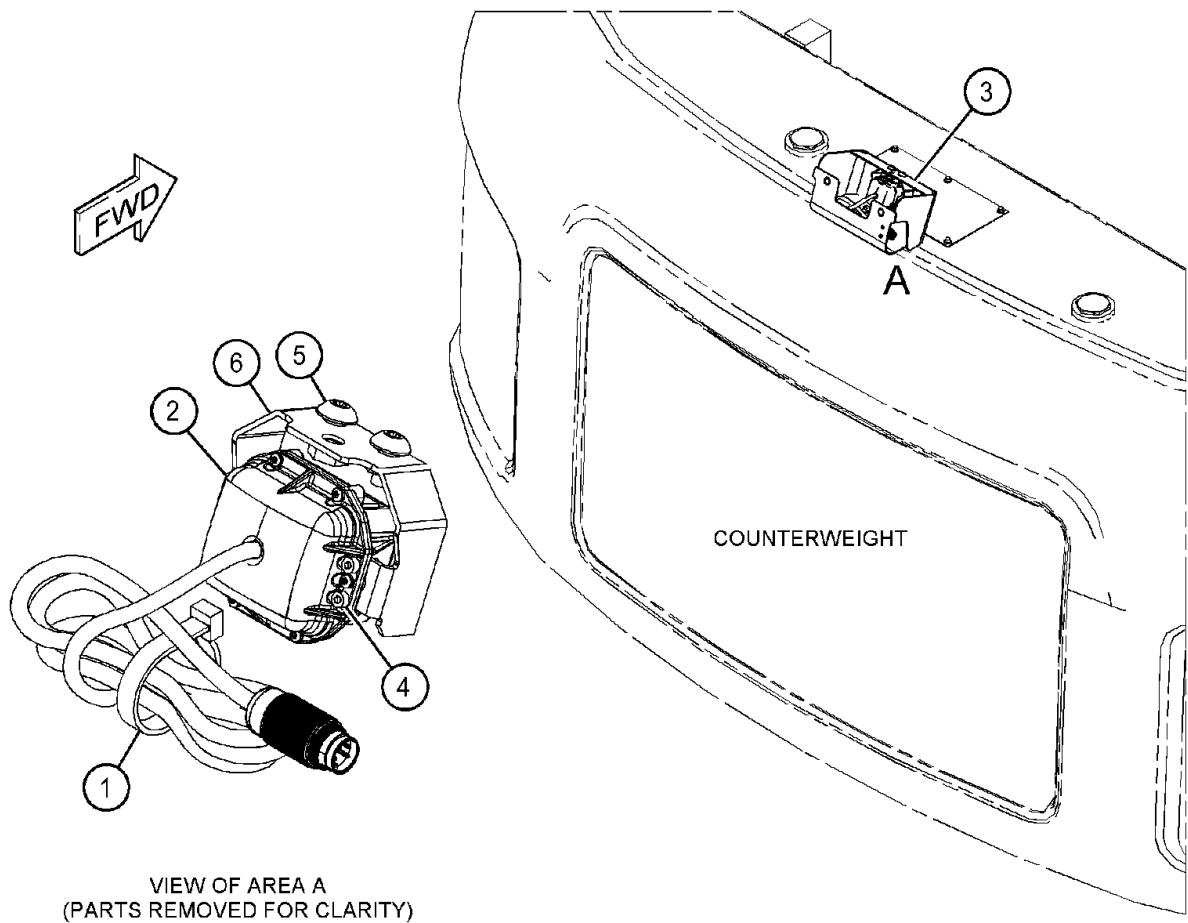
Ref.	Part number	Description	Qty	Code	Group page
	459-0359	CAMERA & MOUNTING GP (WORK AREA VISUAL SYSTEM, REAR)	1	Y	5
	492-8874	CAMERA & MOUNTING GP	1	Y	6
	492-1472	WIRING GP-CAB (CAMERA, SIDE)	1	Y	
	491-7812	WIRING GP-CHASSIS (CAMERA, SIDE)	1	Y	
	493-8518	WIRING GP-CHASSIS (CAMERA, REAR)	1	Y	

CAT codes: Y.

460-6371 CAMERA GP -WORK AREA VISUAL SYSTEM, REAR

460-6371 CAMERA GP -WORK AREA VISUAL SYSTEM, REAR S/N HXM1-UP PART OF 459-0359 CAMERA & MOUNTING GP AN ATTACHMENT

Drawing 1 of 1



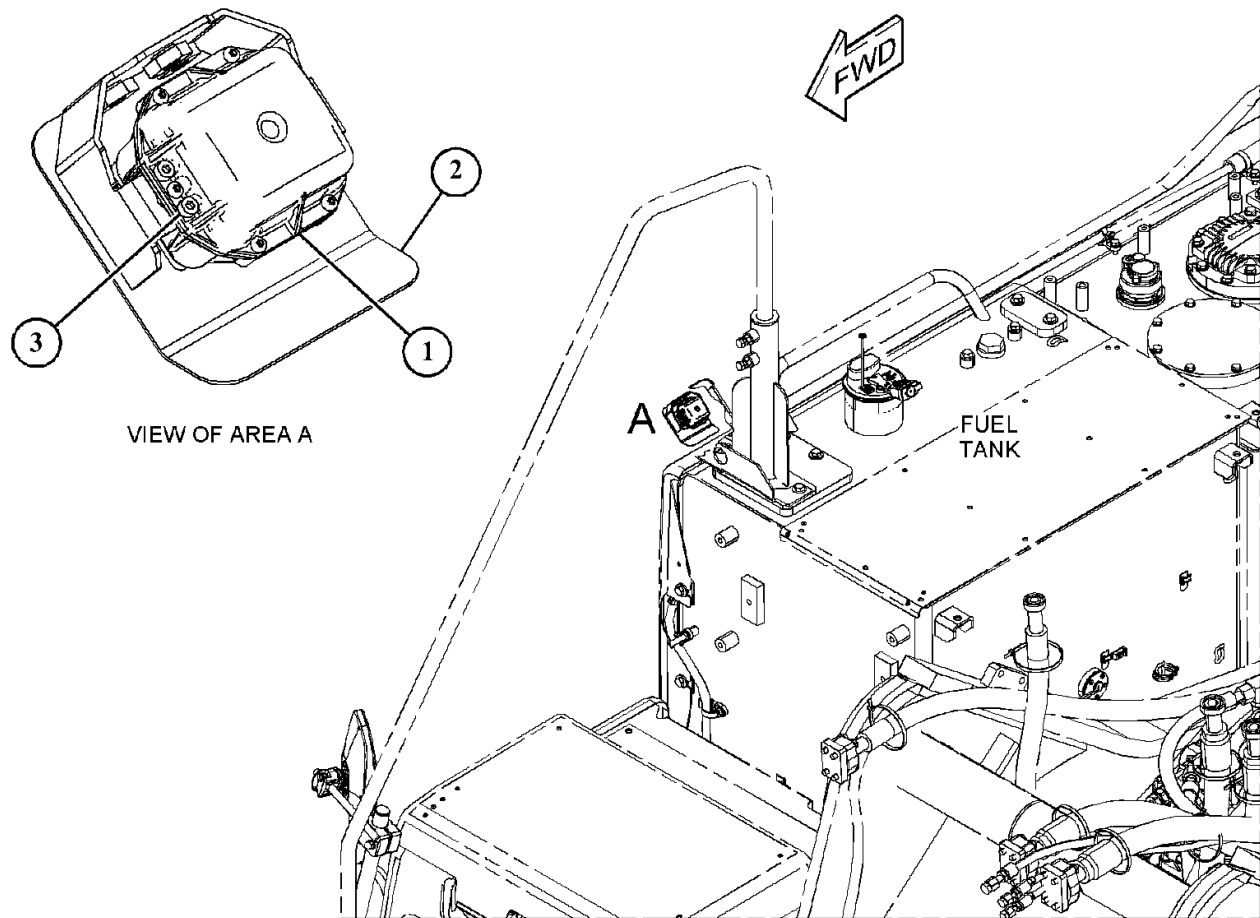
Ref.	Part number	Description	Qty	Code	Group page
1	3S-2093	STRAP-CABLE	1		
2	386-3453	CAMERA	1		
3	460-2006	BRACKET AS	1		
4	150-6256	BOLT-SOCKET HEAD (M3X0.5X12-MM)	4	M	
5	9X-2043	SCREW-TRUSS HEAD (M6X1X14-MM)	2	M	
6	471-8351	BRACKET AS	1		

CAT codes: M.

490-2633 CAMERA GP -SIDE VIEW

490-2633 CAMERA GP -SIDE VIEW S/N HXM1-UP; GCX1-UP PART OF 490-9248, 492-8874 CAMERA & MOUNTING GP AN ATTACHMENT

Drawing 1 of 1



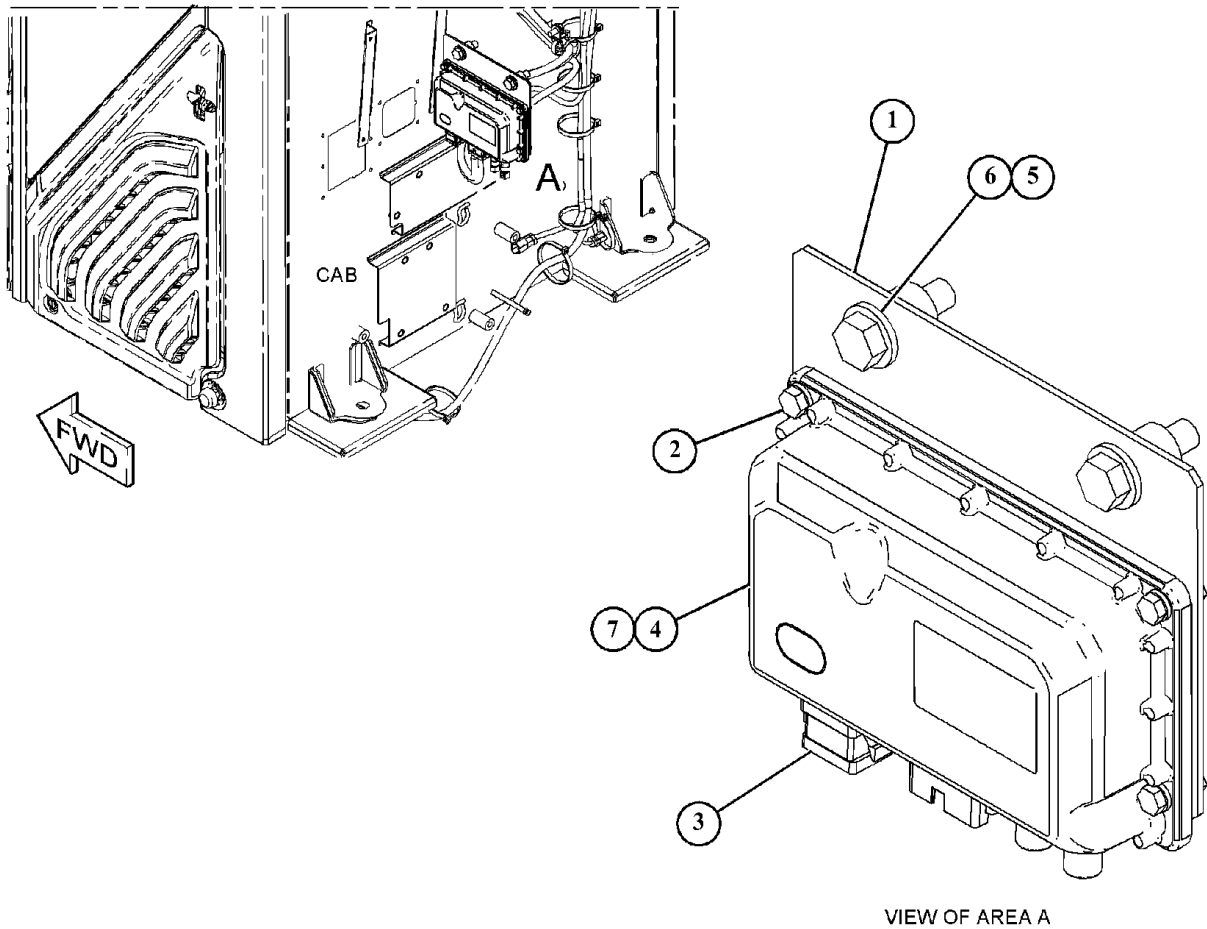
Ref.	Part number	Description	Qty	Code	Group
			.		page
1	488-4979	CAMERA	1		
2	490-9250	BRACKET AS	1		
3	150-6256	BOLT-SOCKET HEAD (M3X0.5X12-MM)	4	M	

CAT codes: M.

477-9418 CONTROL & MTG GP-COMMUNICATION -PL641 CELLULAR

477-9418 CONTROL & MTG GP-COMMUNICATION -PL641 CELLULAR S/N HXM1-UP PART OF 470-6023 CONTROL AR-COMMUNICATION AN ATTACHMENT

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
1	260-2229	BRACKET AS	1		
2	440-2105	CONTROL GP-ELECTRONIC (PL641E CELLULAR)	1	Y	
3	462-6495	PLUG AS	1		
	8T-8737	PLUG-SEAL	8		
	155-2265	KIT-CONNECTING PLUG (8-PIN)	1		
(INCLUDES PLUG AS, WEDGE, & INTERFACE SEAL)					
4	8T-4138	BOLT (M6X1X20-MM)	4	M	
5	8T-4183	BOLT (M12X1.75X40-MM)	2	M	
6	8T-4223	WASHER-HARD (13.5X25.5X3-MM THK)	2		
7	9X-8256	WASHER (6.6X12X2-MM THK)	4		

CAT codes: M, R, Y.

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