

CATERPILLAR TH35-E81

TZM / SEBP4926

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287-6611 CONNECTION GP-ELECTRICAL

287-6611 CONNECTION GP-ELECTRICAL S/N TZM1-UP 12-VOLT. PROVIDES A LOOSE KEYPAD SHIFTER & ELECTRONIC CONTROL RELATED PARTS FOR OIL WELL SERVICE WORK OVER & PUMPER APPLICATIONS. PART OF 281-4209 POWER SYSTEM AR

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

Ref.	Part number	Description	Qty	Code	Group page
	255-6262	CONTROL GP-TRANSMISSION (KEYPAD SHIFTER)	1	Y	
	125-1303	SWITCH GP-MAGNETIC (12-VOLT)(START RELAY)	1	Y	
	8N-1521	BELL AS-END	1		
(FOR TRANSMISSION MATING CONNECTOR)					
	155-2270	KIT-CONNECTING PLUG (2-PIN)	2		
(FOR START RELAY)					
	155-2271	KIT-CONNECTING PLUG (4-PIN)	2		
(FOR KEY SWITCH)					
(EACH PLUG KIT INCLUDES PLUG AS & WEDGE)					
	163-1876	LAMP-LED (24-VOLT, RED)	1		
(FOR POWER TRAIN WARNING LED)					
	8N-1514	PLUG AS-CONNECTOR (37-PIN)	1		
(FOR TRANSMISSION MATING CONNECTOR)					
	147-1445	PLUG AS-CONNECTOR (70-PIN)	1		
(FOR TRANSMISSION CONTROL)					
	159-9322	SEAL-O-RING	1		
	147-1446	PLUG AS-CONNECTOR (70-PIN)	1		
(FOR TRANSMISSION CONTROL)					
	159-9322	SEAL-O-RING	1		
	230-4009	PLUG AS-CONNECTOR (12-PIN)	1		
(FOR KEYPAD SHIFTER CONNECTION)					
	9W-1951	RECEPTACLE-CONNECTOR (9-PIN)	1		
(FOR SERVICE TOOL CONNECTOR)					
	9X-6857	SOCKET-CONNECTOR (16-GA TO 18-GA)	25		
(FOR TRANSMISSION MATING CONNECTOR)					
	113-5183	SOCKET-LAMP	1		
(FOR POWER TRAIN WARNING LED)					
	110-7887	SWITCH AS-START (KEY)	1		
	7T-6799	NUT-MOUNTING (1-32-THD)	1		
	102-8804	KIT-RECEPTACLE (4-PIN)	1		
(INCLUDES RECEPTACLE AS & WEDGE)					

287-6611 CONNECTION GP-ELECTRICAL (continued)

Ref.	Part number	Description	Qty	Code	Group page
	186-3735	PIN-CONNECTOR (16-GA TO 18-GA)	4		
	113-5184	TERMINAL-RECEPTACLE (16-GA TO 18-GA)	2		
(FOR POWER TRAIN WARNING LED)					

CAT codes: Y.

287-6612 CONNECTION GP-ELECTRICAL

287-6612 CONNECTION GP-ELECTRICAL S/N TZM1-UP 24-VOLT. PROVIDES A LOOSE KEYPAD SHIFTER & ELECTRONIC CONTROL RELATED PARTS FOR OIL WELL SERVICE WORK OVER & PUMPER APPLICATIONS PART OF 281-4210, 290-7568 POWER SYSTEM AR

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

Ref.	Part number	Description	Qty	Code	Group page
	255-6262	CONTROL GP-TRANSMISSION (KEYPAD SHIFTER)	1	Y	
	125-1302	SWITCH GP-MAGNETIC (24-VOLT)(START RELAY)	1	Y	
	8N-1521	BELL AS-END	1		
(FOR TRANSMISSION MATING CONNECTOR)					
	155-2270	KIT-CONNECTING PLUG (2-PIN)	2		
(FOR START RELAY)					
	155-2271	KIT-CONNECTING PLUG (4-PIN)	2		
(FOR KEY SWITCH)					
(EACH PLUG KIT INCLUDES PLUG AS & WEDGE)					
	163-1876	LAMP-LED (24-VOLT, RED)	1		
(FOR POWER TRAIN WARNING LED)					
	8N-1514	PLUG AS-CONNECTOR (37-PIN)	1		
(FOR TRANSMISSION MATING CONNECTOR)					
	147-1445	PLUG AS-CONNECTOR (70-PIN)	1		
(FOR TRANSMISSION CONTROL)					
	159-9322	SEAL-O-RING	1		
	147-1446	PLUG AS-CONNECTOR (70-PIN)	1		
(FOR TRANSMISSION CONTROL)					
	159-9322	SEAL-O-RING	1		
	230-4009	PLUG AS-CONNECTOR (12-PIN)	2		
(EACH INCLUDES)					
	264-7034	SEAL-CONNECTOR	1		
(FOR KEYPAD SHIFTER CONNECTION)					
	9W-1951	RECEPTACLE-CONNECTOR (9-PIN)	1		
(FOR SERVICE TOOL CONNECTOR)					
	9X-6857	SOCKET-CONNECTOR (16-GA TO 18-GA)	25		
(FOR TRANSMISSION MATING CONNECTOR)					
	113-5183	SOCKET-LAMP	1		
(FOR POWER TRAIN WARNING LED)					
	110-7887	SWITCH AS-START (KEY)	1		
	7T-6799	NUT-MOUNTING (1-32-THD)	1		
	102-8804	KIT-RECEPTACLE (4-PIN)	1		
(INCLUDES RECEPTACLE AS & WEDGE)					

287-6612 CONNECTION GP-ELECTRICAL (continued)

Ref.	Part number	Description	Qty	Code	Group page
	186-3735	PIN-CONNECTOR (16-GA TO 18-GA)	4		
	113-5184	TERMINAL-RECEPTACLE (16-GA TO 18-GA)	2		
(FOR POWER TRAIN WARNING LED)					

CAT codes: Y.

290-0593 CONNECTION GP-ELECTRICAL

290-0593 CONNECTION GP-ELECTRICAL S/N TZM1-UP PART OF 278-0079 PARTS AR-MISCELLANEOUS

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

Ref.	Part number	Description	Qty	Code	Group page
	275-2081	GAUGE GP-COOLANT TEMPERATURE (ENGINE)	1	Y	
	275-2096	GAUGE GP-ENGINE OIL PRESSURE	1	Y	
	275-2108	GAUGE GP-OIL TEMPERATURE (TRANSMISSION)	1	Y	
	125-1302	SWITCH GP-MAGNETIC (24-VOLT)(START RELAY)	2	Y	
	275-2110	VOLTMETER GP (DATA LINK)	1	Y	
	255-6262	CONTROL GP-TRANSMISSION (KEYPAD SHIFTER)	1	Y	
OR alternate consist option CAT source: -OR-					
	320-2981	CONTROL GP-TRANSMISSION (KEYPAD SHIFTER)	1	Y	
	275-2123	TACHOMETER GP (TRANSMISSION OUTPUT SPEED)	1		
	4B-2043	NUT (8-32-THD)	2		
	9B-7233	LOCKWASHER	2		
	213-9100	ALARM AS (BACKUP)	1		
	102-8802	KIT-RECEPTACLE (2-PIN)	1		
(INCLUDES RECEPTACLE AS & WEDGE)					
	186-3735	PIN-CONNECTOR (16-GA TO 18-GA)	2		
	9X-1813	SLEEVE (31-CM)		E	
	8N-1521	BELL AS-END	1		
	6T-3643	CIRCUIT BREAKER AS (15-AMPERE)	2		
(EACH INCLUDES)					
	6V-8376	SCREW-MACHINE (8-32X0.25-IN)	2		
	9B-7233	LOCKWASHER	2		
	212-8255	HARNESS AS-WIRING (DATA LINK)	7		
(EACH INCLUDES)					
	102-8805	KIT-RECEPTACLE (6-PIN)	1		
(INCLUDES RECEPTACLE & WEDGE)					
	186-3735	PIN-CONNECTOR (16-GA TO 18-GA)	4		
	186-3736	SOCKET-CONNECTOR (16-GA TO 18-GA)	8		
	8T-8737	PLUG-SEAL	6		
	155-2274	KIT-CONNECTING PLUG (6-PIN)	2		
(INCLUDES PLUG AS, WEDGE & INTERFACE SEAL)					
	212-8259	HARNESS AS-WIRING (DATA LINK)	1		
	186-3735	PIN-CONNECTOR (16-GA TO 18-GA)	2		
	186-3736	SOCKET-CONNECTOR (16-GA TO 18-GA)	2		
	8T-8737	PLUG-SEAL	5		

290-0593 CONNECTION GP-ELECTRICAL (continued)

Ref.	Part number	Description	Qty	Code	Group page
	176-9299	KIT-RECEPTACLE (3-PIN)	1		
	(INCLUDES RECEPTACLE & WEDGE)				
	155-2274	KIT-CONNECTING PLUG (6-PIN)	1		
	(INCLUDES PLUG AS & WEDGE)				
	221-0777	HARNESS AS-WIRING (DATA LINK)	1		
	102-8805	KIT-RECEPTACLE (6-PIN)	1		
	(INCLUDES RECEPTACLE & WEDGE)				
	186-3735	PIN-CONNECTOR (16-GA TO 18-GA)	4		
	8T-8737	PLUG-SEAL	5		
	176-9299	KIT-RECEPTACLE (3-PIN)	1		
	(INCLUDES RECEPTACLE & WEDGE)				
	174-3016	PLUG AS-CONNECTOR (3-PIN)	3		
	8N-1514	PLUG AS-CONNECTOR (37-PIN)	1		
	9X-1054	PLUG AS-CONNECTOR (4-PIN)	1		
	230-4009	PLUG AS-CONNECTOR (12-PIN)	1		
	264-7034	SEAL-CONNECTOR	1		
	9X-7147	PLUG AS-CONNECTOR (40-PIN)	1		
	3E-4367	RING-RETAINING	1		
	3E-8557	BOLT (M5X0.8X39.37-MM)	1	M	
	9X-3490	SEAL-CONNECTOR (40-PIN)	2		
	8T-9834	PLUG AS-CONNECTOR (40-PIN)	1		
	3E-4367	RING-RETAINING	1		
	3E-8557	BOLT (M5X0.8X39.37-MM)	1	M	
	9X-3490	SEAL-CONNECTOR (40-PIN)	2		
	147-1446	PLUG AS-CONNECTOR (70-PIN)	1		
	159-9322	SEAL-O-RING	1		
	133-0970	RECEPTACLE AS-CONNECTOR (TEE)	4		
	3E-5239	RELAY AS (24-VOLT)(BACKUP ALARM)	1		
	3E-8775	SWITCH AS (CLEAR, MODE)	2		
	3E-9328	SWITCH AS (OEM INSTRUMENTATION)	2		
	109-6507	SWITCH AS-PUSH BUTTON (EMERGENCY STOP)	1		
	110-8769	WIRE AS	1		
	6V-1748	ACTUATOR	2		
	123-5853	ACTUATOR	2		
	111-1325	BLOCK-CONTACT (2-POLE)	1		
	155-2259	WEDGE-PLUG LOCK (8-PIN)	1		

290-0593 CONNECTION GP-ELECTRICAL (continued)

Ref.	Part number	Description	Qty	Code	Group page
	155-2265	KIT-CONNECTING PLUG (8-PIN)	1		
	155-2270	KIT-CONNECTING PLUG (2-PIN)	3		
	155-2274	KIT-CONNECTING PLUG (6-PIN)	1		
	155-2260	KIT-CONNECTING PLUG (3-PIN)	11		
(EACH INCLUDES PLUG AS & WEDGE)					
	102-8802	KIT-RECEPTACLE (2-PIN)	1		
(INCLUDES RECEPTACLE AS & WEDGE)					
	3E-8825	LAMP (24-VOLT)(CLEAR)	8		
OR alternate consist option CAT source: -OR-					
	165-5674	LAMP-LED (24-VOLT, CAB FLOODLIGHT SWITCH)	8		
	242-3282	LAMP AS-LED (24-VOLT, RED)	1		
	186-3735	PIN-CONNECTOR (16-GA TO 18-GA)	2		
	186-3735	PIN-CONNECTOR (16-GA TO 18-GA)	50		
	9X-3401	PIN-CONNECTOR (16-GA TO 18-GA)	25		
	3E-7996	PLUG-CONNECTOR (6-PIN)	4		
	8T-8737	PLUG-SEAL	20		
	186-3736	SOCKET-CONNECTOR (16-GA TO 18-GA)	100		
	9X-3402	SOCKET-CONNECTOR (16-GA TO 18-GA)	25		
	065-5071	TERMINAL-BLADE (14-GA TO 16-GA)	30		
	9X-1055	TERMINAL-RECEPTACLE (12-GA)	2		
	9X-1056	TERMINAL-RECEPTACLE (14-GA TO 16-GA)	2		

CAT codes: E, M, Y.

290-2775 CONNECTION GP-ELECTRICAL

290-2775 CONNECTION GP-ELECTRICAL S/N TZM1-UP; PZT1-UP PART OF 281-4209, 287-7799, 287-7801, 287-7803, 287-7812, 287-7814, 300-3646, 304-4934, 307-6342, 307-6344, 307-6346, 310-8568, 317-5876 POWER SYSTEM AR, 275-0628, 277-8076, 287-7725, 287-7727, 287-7731, 287-7733 POWER TRAIN AR-OEM

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

Ref.	Part number	Description	Qty	Code	Group page
	298-3860	CONTROL GP-TRANSMISSION (KEYPAD SHIFTER)	1	Y	
	301-3081	MODULE GP-DISPLAY (MESSENGER)	1	Y	
	125-1303	SWITCH GP-MAGNETIC (12-VOLT)(START RELAY)	1	Y	
	230-4009	PLUG AS-CONNECTOR (12-PIN)	1		
	264-7034	SEAL-CONNECTOR	1		
	110-7887	SWITCH AS-START (KEY)	1		
	7T-6799	NUT-MOUNTING (1-32-THD)	1		
	102-8804	KIT-RECEPTACLE (4-PIN)	1		
(INCLUDES RECEPTACLE AS & WEDGE)					
	8T-8729	PIN-CONNECTOR (16-GA TO 18-GA)	4		
	5P-8500	KEY	1		
	155-2270	KIT-CONNECTING PLUG (2-PIN)	2		
(FOR START RELAY)					
	155-2271	KIT-CONNECTING PLUG (4-PIN)	2		
(FOR KEY SWITCH)					
(EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL)					
	341-4954	LAMP AS-LED (12-VOLT, AMBER)	1		
	8T-8729	PIN-CONNECTOR (16-GA TO 18-GA)	2		

CAT codes: Y.

290-2776 CONNECTION GP-ELECTRICAL

290-2776 CONNECTION GP-ELECTRICAL S/N TZM1-UP; PZT1-UP 24-VOLT PART OF 281-4210, 287-7802, 287-7804, 287-7813, 287-7815, 290-7568, 307-6343, 307-6345, 307-6347 POWER SYSTEM AR, 278-1191, 287-7726, 287-7728, 287-7732, 287-7734 POWER TRAIN AR-OEM

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

Ref.	Part number	Description	Qty	Code	Group page
	298-3860	CONTROL GP-TRANSMISSION (KEYPAD SHIFTER)	1	Y	
	301-3081	MODULE GP-DISPLAY (MESSENGER)	1	Y	
	125-1302	SWITCH GP-MAGNETIC (24-VOLT)(START RELAY)	1	Y	
	250-2298	LAMP AS (AMBER, LED, 24-VOLT)	1		
	8T-8729	PIN-CONNECTOR (16-GA TO 18-GA)	2		
	230-4009	PLUG AS-CONNECTOR (12-PIN)	1		
	264-7034	SEAL-CONNECTOR	1		
	110-7887	SWITCH AS-START (KEY)	1		
	7T-6799	NUT-MOUNTING (1-32-THD)	1		
	102-8804	KIT-RECEPTACLE (4-PIN)	1		
(INCLUDES RECEPTACLE AS & WEDGE)					
	8T-8729	PIN-CONNECTOR (16-GA TO 18-GA)	4		
	5P-8500	KEY	1		
(FOR START SWITCH)					
	155-2271	KIT-CONNECTING PLUG (4-PIN)	2		
(FOR KEY SWITCH)					
	155-2270	KIT-CONNECTING PLUG (2-PIN)	2		
(FOR START RELAY)					
(EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL)					

CAT codes: Y.

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