

Parts Manual  
PAT DS 85



## **PSR Professional Service & Repair Inc.**

Professional Service & Repair Inc. is a full-service mobile crane repair, inspection, and certification company. At Professional Service & Repair we understand the critical aspect of your crane being operational to your project schedule and budget. We will deliver world class service to have your crane operational in the minimum amount of time.

PSR is the global provider for sales, repair and installation of Load Moment Indicating (LMI) systems, Anti-Two Block Systems (A2B), and Rated Capacity Indicating systems. Please contact us with your crane repair and certification needs today.

PSR is the name businesses trust for crane repair, inspection, and certification.

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**P.O. Box 6506  
Columbus, GA  
31917-6506**

# DS85 COMPONENTS

## WITH HARDWIRED A2B SWITCH

15. A2B Switch:  
031-002-060-011



1. DS85 Console: 031-300-060-455



17. Cable Assembly:  
031-010-101-013



5. Cable Assembly:  
031-300-060-453



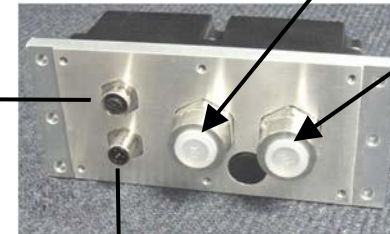
Connect to Crane Power,  
GND, Lever Lockout, etc.

16. 6 Pin Receptacle:  
000-301-022-300



Piston Side

Rod Side



6. Pressure Transducer  
Block, DAV314/0014:  
044-314-060-014

19. Angle Sensor:  
064-143-060-006

18. LWG152Length/Angle  
CAN Bus Sensor:  
068-152-060-005



20. Length Cable 000-673-020-001

21. Length Potentiometer:  
067-000-300-009

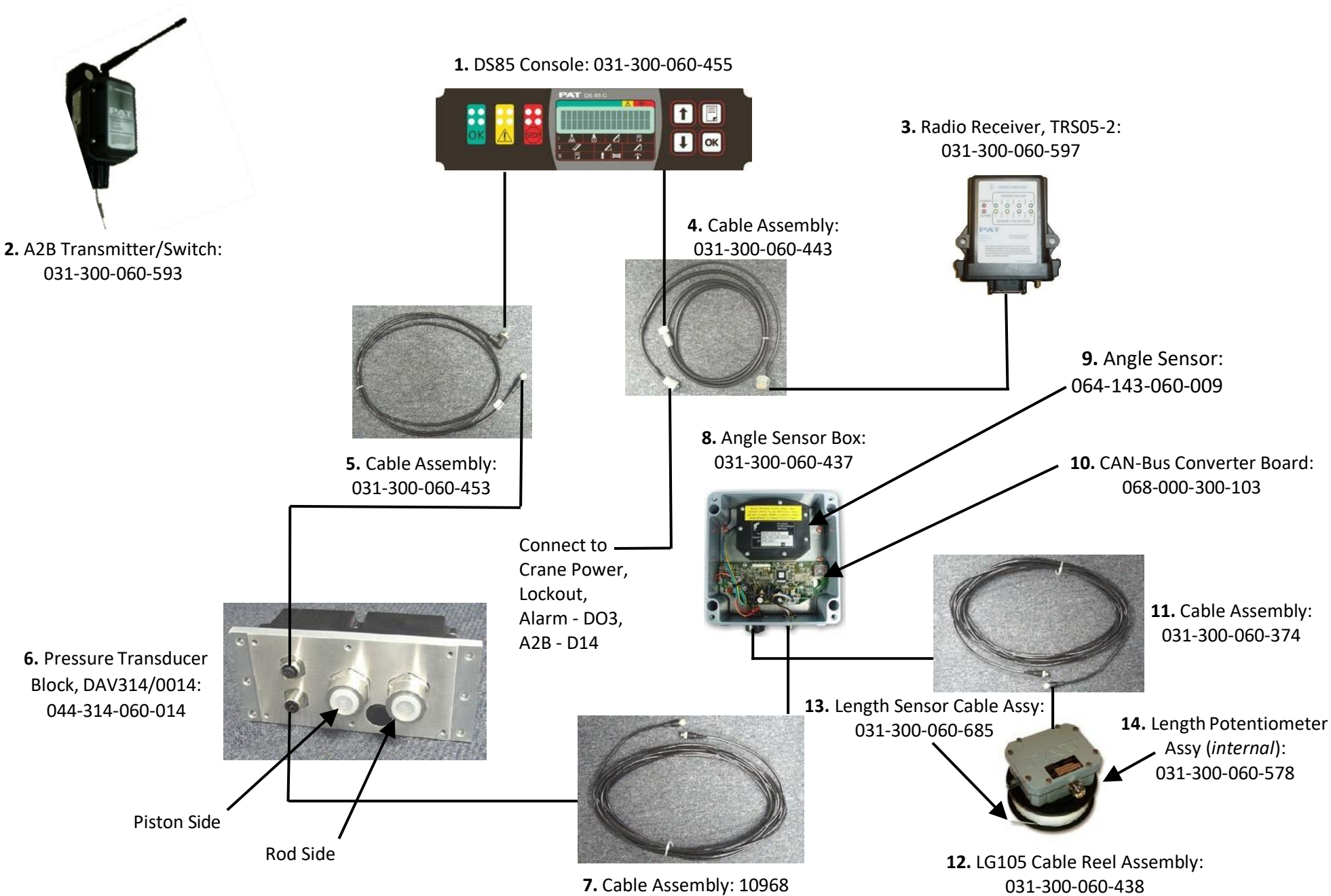
10. CAN-Bus Converter Board:  
068-000-300-103



7. Cable Assembly:  
10968

# DS85 COMPONENTS

## WITH RADIO A2B SWITCH



# DS85 COMPONENTS

#	PART NO.	DESCRIPTION
1	031-300-060-455	CONSOLE ASSY, DS85/ WITH RAM MOUNT
2	031-300-060-593	SWITCH ASSY, RADIO A2B SWITCH SPREAD SPECTRUM, OEM / RETROFIT
3	031-300-060-597	RADIO, RECEIVER, TRS05-2900MHZ SPREAD SPECTRUM
4	031-300-060-443	CABLE ASSY, 8' 16 & 4COND DS85W/16 & 12 SKT AMP/DEUTSCH PLUG
5	031-300-060-453	CABLE ASSY, 14' CAN BUS PT SENSOR FOR DS85 90°
6	044-314-060-014	SENSOR, PRESSURE TRANS IFLEX2 PACK W/ MTG. BKTS.
7	10968	CANBUS CABLE ASSY (TRANSDUCER BLOCK TO ANGLE SENSOR)
8	031-300-060-437	SENSOR ASSY, WG143/CAN BUS BRD W/J-B 4 PIN & 5 PIN RECPT
9	064-143-060-009	SENSOR, ANGLE WG143/9 IFLEXCAN
10	068-000-300-103	BOARD, TERMINAL FOR LG/LWG508 CAN 10-30V
11	031-300-060-374	CABLE ASSY, 15' 3 COND W/ 4PIN PLUG
12	031-300-060-438	CABLE REEL ASSY, LG105 14' W/ 4-PIN PLUG FOR CAN BUS
13	031-300-060-685	CABLE, LENGTH ASSY, LG105 WITH RING TERMINAL & CLAMP
14	031-300-060-578	LENGTH POT ASSY, LG105/0006 SPARE PART
15	031-002-060-011	SWITCH, A2B W/CRIMP W/12' WIRE
16	000-301-022-300	CONNECTOR ASSY, 6 PIN RCPTCL
17	031-010-101-013	CABLE, 4M, M23/16 DS85CU/CONSOLE CONNECTION
18	068-152-060-005	SENSOR, LENGTH/ANGLE LWG152/52 P, 26/15M 1.78:1 CAN
19	064-143-060-006	SENSOR, ANGLE, WG143/0006
20	000-673-020-001	CABLE, LENGTH SENSOR 1 CORE NS (26m)
21	067-000-300-009	LENGTH POENTIOMETER

# Spare Parts List

**PART NO. 031-300-060-455**

**PAT CONSOLE / CENTRAL UNIT, DS85 W/ WATERPROOF HOUSING  
and MOUNT**

NO.	PART NO.	QTY	DESCRIPTION
1	024-085-100-002	1	FRONTFACE, PREASSEMBLED
2	024-000-050-002	1	HOUSING, DS85
3	024-000-100-095	1	CENTRAL UNIT ACCY, MEMBRANE VENT, PG11
4	024-050-300-101	1	MAINBOARD, CAN w/o FLASH E-EPROM
5	024-050-300-106	1	CONNECTION BOARD
6	031-300-050-223	2	FUSE, 2 AMP
7	024-050-300-110	1	KEYBOARD
8	050-000-100-271	1	LC DISPLAY UNIT
9	092-000-060-391	1	CAN BUS CONNECTOR, 5-PIN FEMALE, 120 ohms
10	024-050-290-101	1	RIBBON CABLE ASSY
11	031-300-060-700	1	CABLE ASSEMBLY, W/ GROUND CONNECTIONS
12	031-300-060-696	1	MOUNTING ASSY, 1.5" BALL
13	031-300-050-624	1	MOUNTING ARM, 4.63" DOUBLE SOCK. FOR 1.5" BALL
14	092-000-060-390	1	CAN BUS TERMINATOR, 120 OMS

