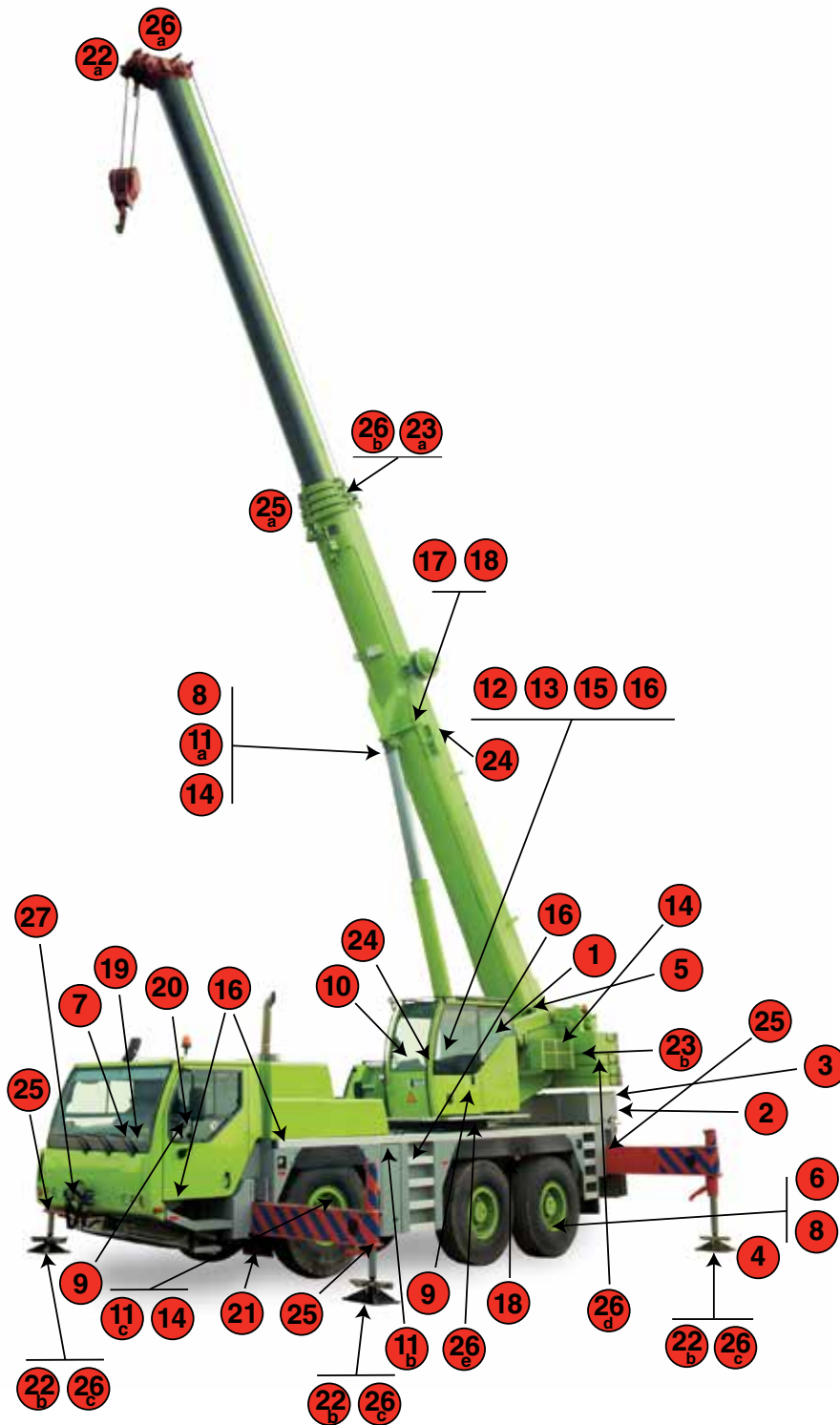


Work Smarter with Honeywell Sensors and Switches



Mobile Crane

- 1 Temperature sensor**
(Cabin temperature sensing) – ES-110 Series, LTP Series
- 2 Temperature sensor**
(Hydraulic oil temp sensing) – R300 Series, LTP Series
- 3 Thermostat**
(Fire suppression sensing) – 3000 Series
- 4 Position sensor**
(Jack position sensing) – 103SR Series
- 5 Position sensor**
(Boom angle position sensing) – SPS Series, RTY Series
- 6 Speed sensor**
(Wheel speed and hydraulic pump sensing) – SNDH-H Series
- 7 Angular or linear Hall-effect sensor IC**
(Power steering control system sensing) – APS00B Series, SS490 Series, RTY Series
- 8 Speed and direction sensor**
(Vehicle roll-back protection/emergency brake) – SNDH-T Series
- 9 Smart key**
(Limits crane function by operator's certification level)
- 10 Infrared sensor**
(Hand-grip joystick control sensing) – SMD2440 Series, SME2470 Series
- 11 Heavy-duty pressure sensor or transducer**
11a. (Hydraulic sensing); **11b.** (Fuel tank level sensing); **11c.** (Braking system sensing) – PX2 Series, PX3 Series, MLH Series, 13 mm Series, 19 mm Series, SPT Series
- 12 Hour meter**
(Usage tracking) – LM Series
- 13 Key switch**
(On/off switch)
- 14 Pressure switch**
(Hydraulic system and engine oil monitoring) – HP, HE, LP, or LE Series
- 15 Push-pull switch**
(Emergency stop) – 50070974 Series
- 16 MICRO SWITCH™ toggle switch**
(Manual operator switch) – NT Series
- 17 MICRO SWITCH™ limit switch**
(Machine position) – HDLS Series
- 18 MICRO SWITCH™ limit switch**
(Jib, wheel block and outrigger position indicator) – GLS Series
- 19 Shifter**
(Forward-neutral-reverse) – 81248
- 20 Turn signal** (multi-purpose)
- 21 SMART position sensor**
(Steering angle sensing) – SPS Series
- 22 Load cell or load pins**
22a. (Hook load sensing); **22b.** (Outrigger load sensing – minimum of 4 outriggers, maximum of 6)
- 23 Load cell**
23a. (Torsion or boom side load sensing); **23b.** (Provides counterweight information to operator)
- 24 Load pin**
(Replaces hydraulic cylinder pins)
- 25 Stainless steel media isolated pressure sensor or Test & Measurement pressure sensor**
(Outrigger load sensing – minimum of 4 outriggers, maximum of 6) – MLH Series
- 26 Limitless™ switch**
26a. (Replaces wired 2-block jib switch); **26b.** (Boom position sensing: full extension, full retraction); **26c.** (Outrigger position sensing: full extension, half extension, fully retraction); **26d.** (Confirms mechanical locks are in place); **26e.** (Adjustable minimum/maximum cab position sensing)
- 27 Temperature sensor**
(Ambient temperature sensing) – ES-120 Series, LTP Series



Work Smarter with Honeywell Sensors and Switches

Honeywell's high quality, rugged switches, sensors and vehicle controls have been helping power transportation applications for more than 75 years. Our extensive portfolio includes a multitude of products for engine and transmission applications such as temperature sensors, ignition switches, turn signals, and more - all designed for high accuracy, superior reliability, enhanced safety and long term performance in harsh environments.

Higher accuracy

- Angle or linear position sensing with APS00B Series, SS490 Series, and RPN Series Hall-effect sensor ICs
- Engine usage tracking with LM Series LCD display hour meters
- Hydraulic, brake, and fuel-tank level sensing with PX2 Series, PX3 Series, MLH Series, 13 mm Series, 19 mm Series, and SPT Series heavy-duty pressure sensors and transducers
- Hand-grip joystick control sensing with SMD2440 Series or SME2470 Series infrared sensors
- Wheel and hydraulic pump sensing with SNDH-H Series speed and direction sensors

Productivity

- Hook load sensing with load cells or load pins
- Replace wired 2-block jib switch with Limitless™ switch
- Boom position sensing (full extension, full retraction) with Limitless™ switch
- Outrigger position sensing (full extension, full retraction) with Limitless™ switch

Find out more

To learn more about Honeywell Sensing and Productivity Solutions' products, call **+1-815-235-6847** or **1-800-537-6945**, visit **sensing.honeywell.com**, or e-mail inquiries to **info.sc@honeywell.com**

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Superior reliability

- Power steering control system sensing with APS00B Series, SS490 Series, and RPM Series Hall-effect sensor ICs
- Jib extension monitoring with MICRO SWITCH™ heavy-duty limit switches
- Throttle, brake, and clutch position sensing with rotary position sensors
- Hydraulic system and engine oil monitored with HP, HE, LP, or LE Series pressure switches
- Cabin temperature sensing with ES-110 Series and LTP Series temperature sensors

Enhanced safety

- Fire suppression sensing with 3000 Series thermostats
- Emergency stops using push/pull e-stop switches
- Jack position sensing with 103SR Series position sensors
- Boom angle position sensing with SPS Series SMART position sensors or RPN Series position sensors
- Hydraulic oil temperature sensing with R300 Series temperature sensors
- Steering angle position sensing with SPS Series SMART position sensors and LTP Series temperature sensors
- Torsion or boom side load sensing with load cells
- Replace hydraulic cylinder pins with load pins
- Counterweight sensing with load cells
- Outrigger load sensing with load cells or load pins
- Outrigger load sensing and crane level sensing with MLH Series heavy duty pressure transducers and test and measurement pressure sensors
- Limit crane operability by operator certification level with SMART key
- Confirm mechanical locks are in place with Limitless™ switch
- Minimum/maximum cab position sensing with Limitless™ switch

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