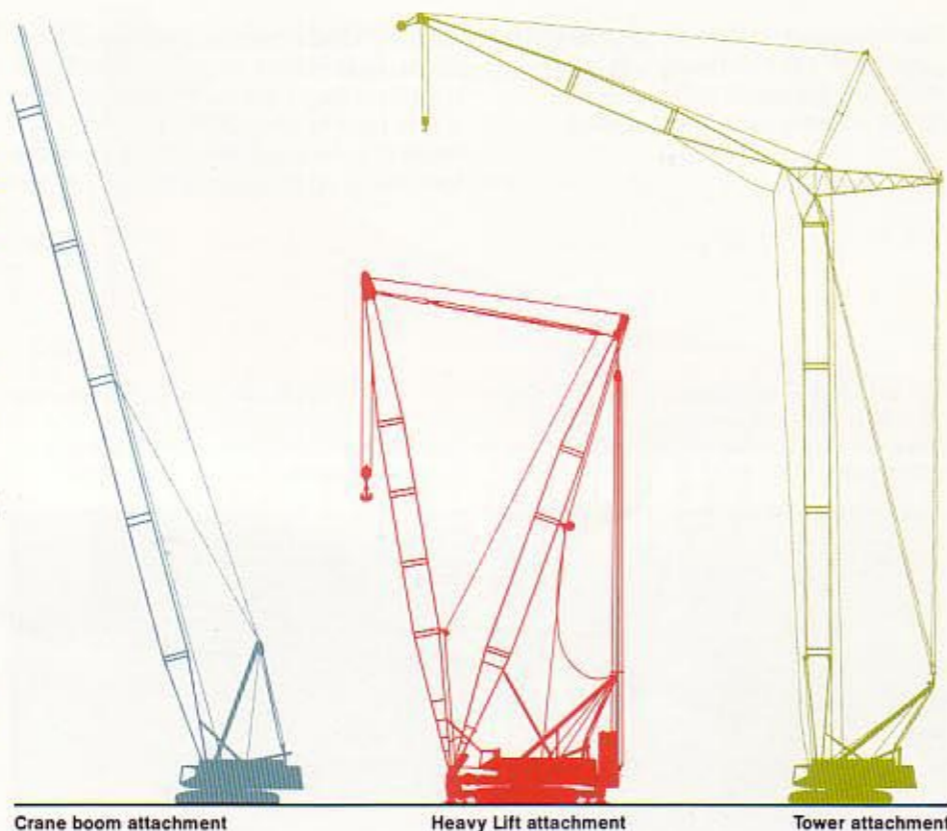


LS-718 attachment versatility

The Link-Belt® LS-718 250-ton (226.75 metric ton) crawler crane is designed to operate with either the conventional crane boom attachment, Heavy Lift attachment or a tower attachment. The LS-718 crawler crane is available with a heavy duty boom up to 290' (88.39 m) plus 120' (36.58 m) jib; or a long range boom up to 360' (109.73 m) plus 100' (30.48 m) jib.

The heavy duty and long range booms can be combined to make up a tower attachment. The tower crane offers up to 200' (60.96 m) tower + 250' (76.20 m) boom + 100' (30.48 m) jib. The LS-718 crawler crane self-erects all tower/boom/jib length combinations. In addition, the LS-718 Heavy Lift attachment is available with boom lengths up to 370' (112.78 m).

The Link-Belt LS-718 crawler crane has become one of the most versatile large size cranes available in the industry today.



Crane boom attachment

Heavy Lift attachment

Tower attachment

The LS-718HL features:

- Roller path supports pinned to front and rear of LS-718 carbody.
Benefit: Allows for crawler side frame to remain in extended position for greater stability.
- Hydraulic erection jacks powered by LS-718 hydraulic travel system.
Benefit: Eliminates need for auxiliary power unit.
- 45' (13.72 m) diameter roller path.
Benefit: Heavy Lift attachment tailswing is 28' 11" (8.81 m) for reduced attachment work area.
- Multiple, heavy duty upperstructure frame swing/support rollers.
Benefit: Smooth swing.
- LS-718 independent power flow systems.
Benefit: Allows for four independent rope drums for boom hoist, job load hoist, main load hoist and mast self-erection.
- High capacity rope drums.
Benefit: Spooling capacity to handle maximum length boom and jib load line requirements.
- Self erection of Heavy Lift mast.
Benefit: Eliminates need for auxiliary crane.
- High lifting capacity in the working range.
Benefit: Increases on-the-job production.
- LS-718 available with crane boom, tower or Heavy Lift attachment.
Benefit: Greater return on investment.
- Heavy Lift attachment loadings under any working condition, not transferred into the LS-718 crane.
Benefit: LS-718 crane not subjected to the greater loadings from the Heavy Lift capacities.

We are constantly improving our products and therefore reserve the right to change designs and specifications.

FMC Corporation Cable Crane & Excavator Division Cedar Rapids Iowa 52406

Link-Belt® cranes/excavators manufactured in: Cedar Rapids Iowa • Lexington & Bowling Green Kentucky • Ontario Canada • Milan Italy • Queretaro Mexico & Nagoya Japan (under license)

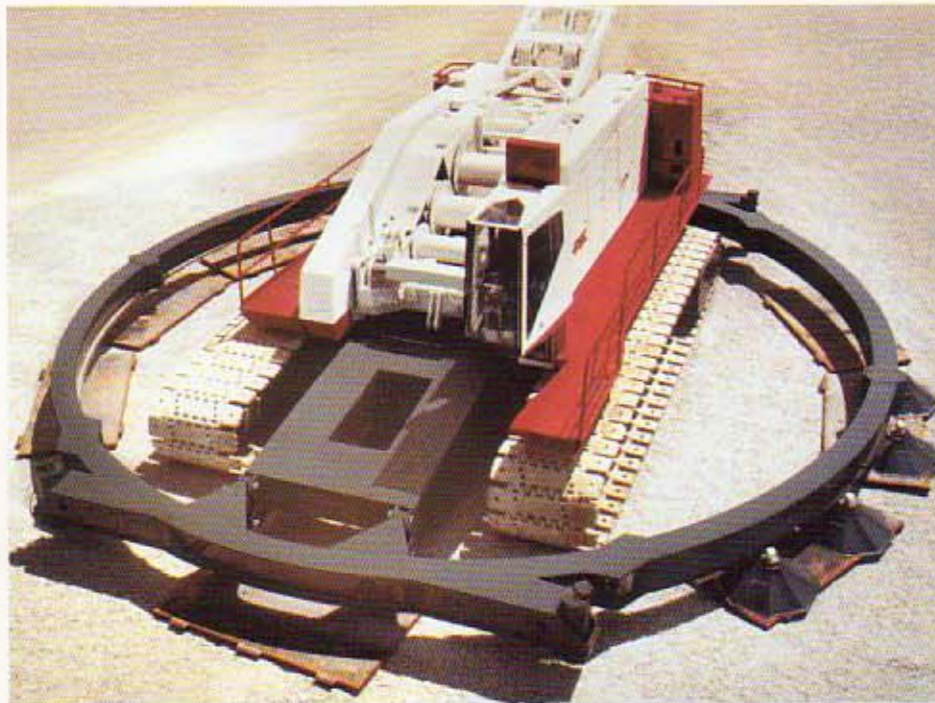
Link-Belt® LS-718HL Heavy Lift Crane Attachment



Assembly of LS-718HL roller path

FMC's Cable Crane and Excavator Division has designed a totally new 360-ton (326.52 metric ton) Heavy Lift attachment for adaptation to the Link-Belt® LS-718 250-ton (226.75 metric ton) crawler crane. The availability of the Heavy Lift crane attachment is further evidence of FMC's continuing commitment to serve the large lift crane users located throughout the world.

The innovative engineering design permits in-the-field adaptation of the Heavy Lift attachment to the standard LS-718 crawler crane without machine rework. The front and rear **Heavy Lift roller path supports** are pin-connected to lugs on the standard LS-718 crane carbody, and the front and rear segments of the roller path. The LS-718 crawler side frames remain in the extended working position for greater stability when traveling (see page 7). The 45' (13.72 m) diameter Heavy Lift roller path is constructed of six pin and bolt-connected segments. The roller path is supported by 24 manual screw jacks and floats, designed to handle the maximum rated attachment capacities. For fast on-the-job installation of jacks and floats, the roller path is raised by four corner position, integrally mounted **hydraulic erection jacks**. These jacks are operated from the ground and are powered by the LS-718 hydraulic travel system. This design eliminates the



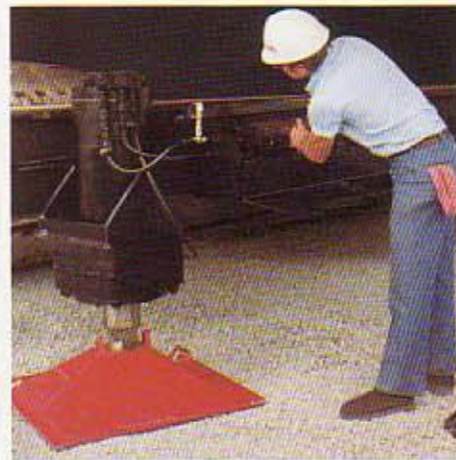
Heavy Lift roller path

need for an auxiliary hydraulic unit, as well as the need for portable jacks.

All Heavy Lift attachment components can be handled with a 20-ton (18.14 metric ton) hydraulic self-propelled crane.

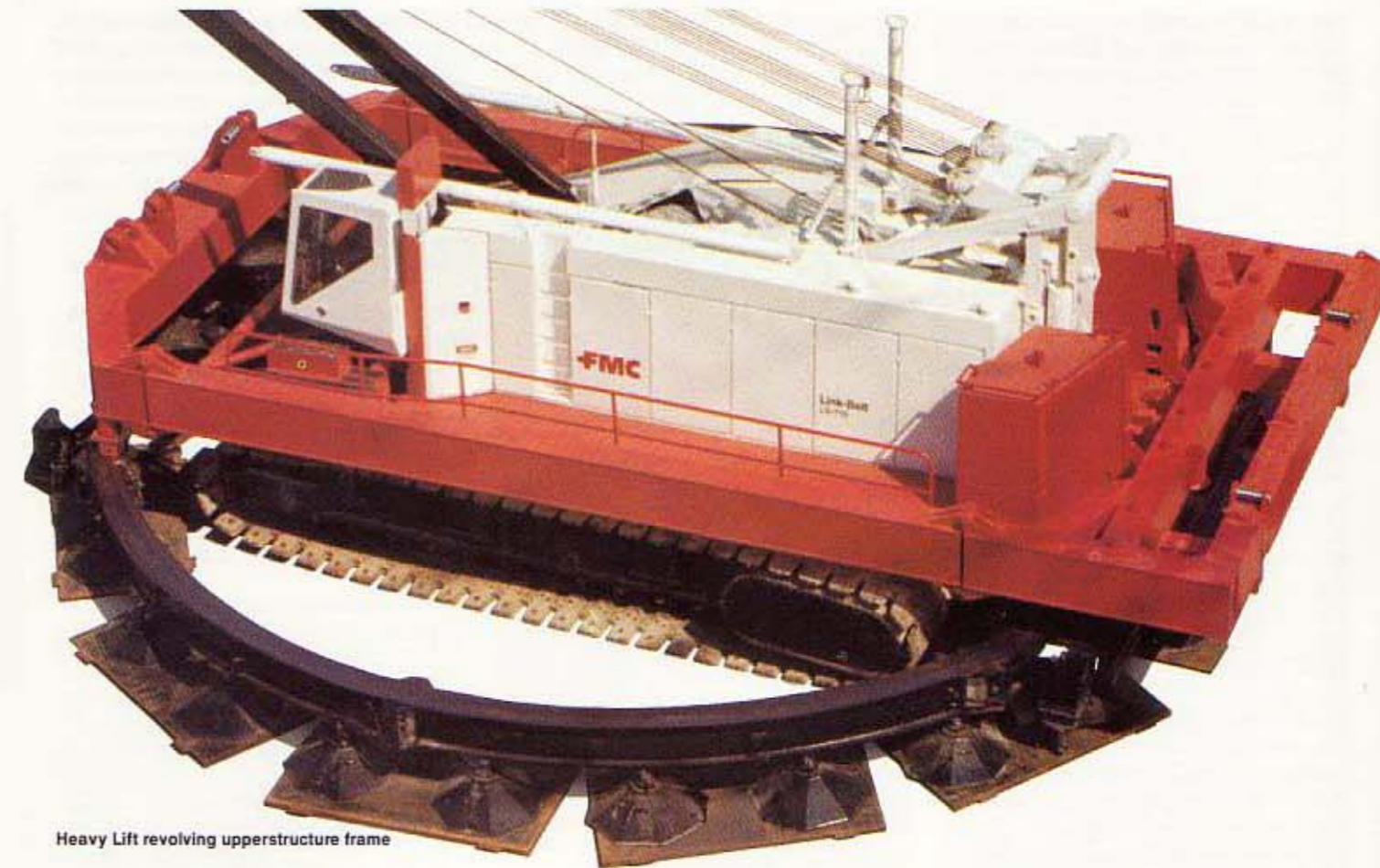


Roller path support



Hydraulic erection jacks

Assembly of LS-718HL upperstructure frame



Heavy Lift revolving upperstructure frame

The Link-Belt® LS-718 **Heavy Lift revolving upperstructure frame** is pin-connected for fast assembly.

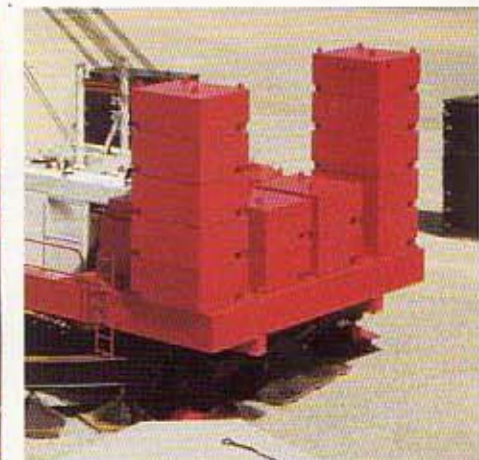
Truss members are pin-connected to lugs on the front and rear of the standard LS-718 frame, and to the front and rear segments of the Heavy Lift upperstructure frame. These truss members transmit swing power from the LS-718 crane to the Heavy Lift attachment.

With the 45' (13.72 m) diameter roller path design, the Heavy Lift attachment tail swing is only 28' 11" (8.81 m), reducing the overall attachment work area. The upperstructure frame is supported on the roller path by large diameter, **heavy duty rollers**. Six



Heavy duty rollers

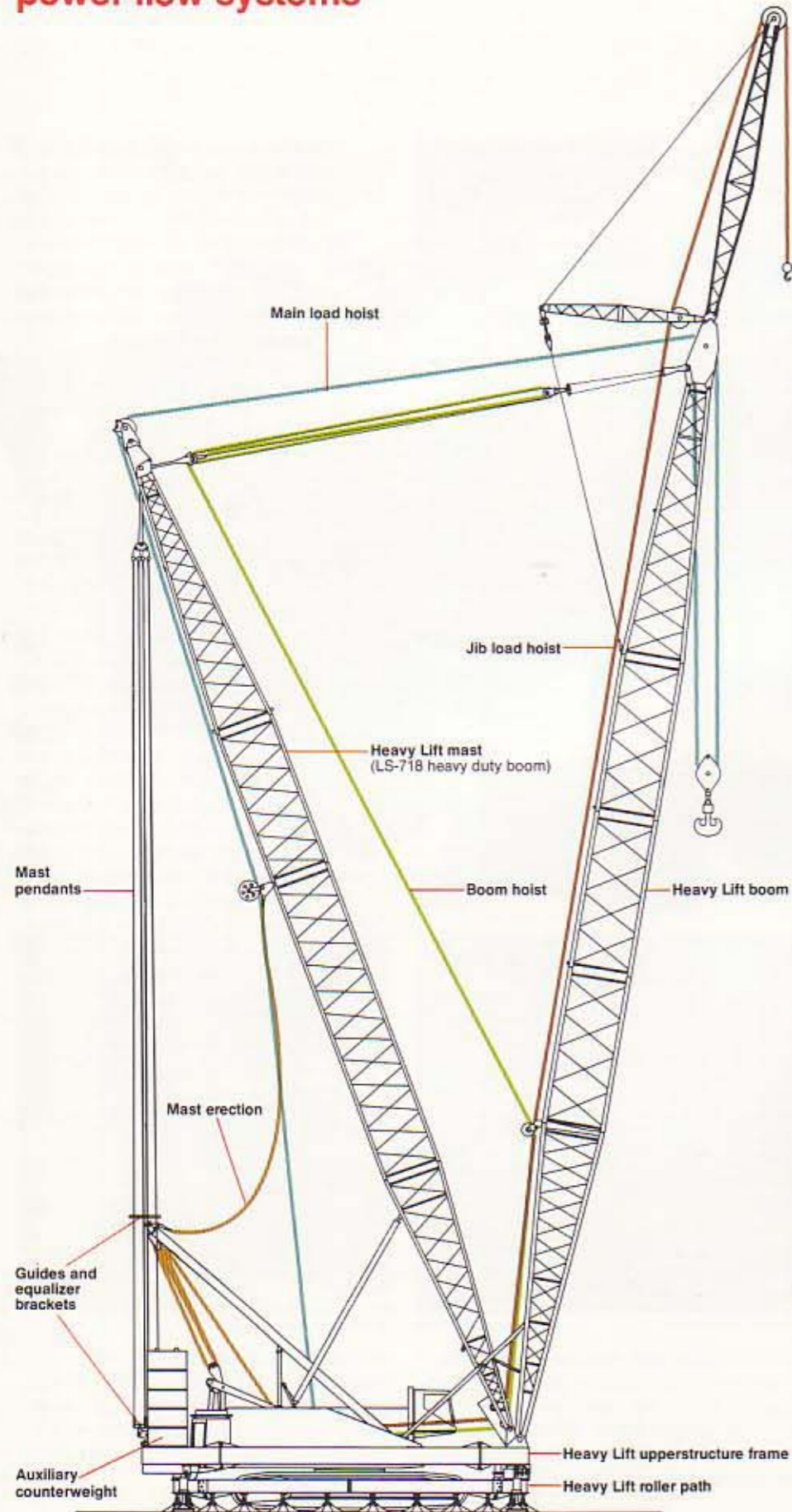
primary plus two auxiliary rollers are mounted to the front roller carrier, plus two rollers to the rear auxiliary counterweight frame. The front roller carrier of the upperstructure frame supports the boom and mast. The rear



Auxiliary counterweight

auxiliary counterweight frame supports the 415,000 lbs. (188 244 kg) **auxiliary counterweight**, which never raises from the roller path even when maximum loads are imposed on the system.

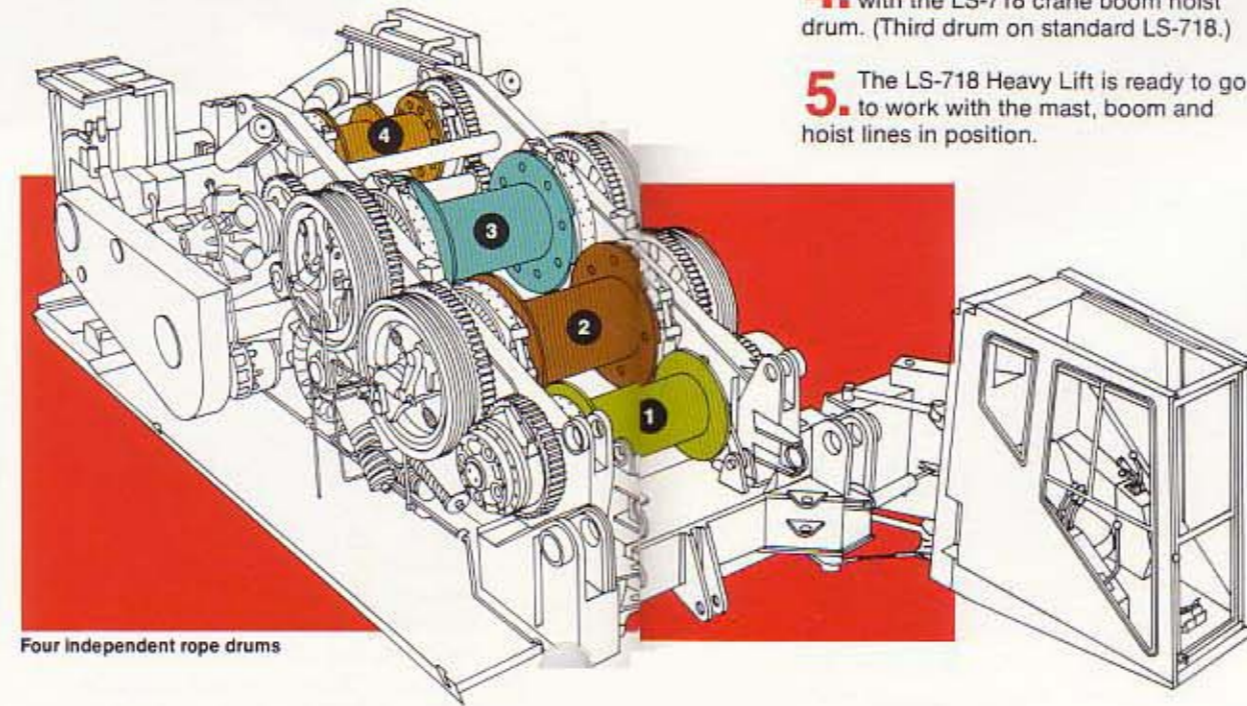
LS-718HL independent power flow systems



FMC's exclusive LS-718 crawler crane upperstructure design is ideally suited for the operation and control of the Heavy Lift attachment. Completely independent power flow systems allow for **four independent rope drums**. One (1) for boom hoist (2) jib load hoist (3) main load hoist (4) self-erection of the mast, eliminating the need for an auxiliary crane.

The high capacity rope drums (2) and (3) have spooling capabilities to handle the maximum length boom and jib load line requirements.

The boom and mast rope drum brakes are spring applied, power hydraulically released. Rope drum locking pawls, spring applied, hydraulically released are standard on all rope drums.



LS-718HL mast and boom erection

Self-erection of the Link-Belt® LS-718 Heavy Lift mast and boom is a unique design achievement. With roller path leveled and supported, mast is erected in mere minutes without benefit of special equipment or reeving. Close adjustment of any components is not required.

1. First, the 130' (39.62 m) mast is raised to permit assembly of the main boom. Second, the main boom pendants are pinned to the boom peak.

2. As the 130' (39.62 m) mast is being raised the boomhoist rope is payed out. Mast pendants equalizer brackets (refer to photo #1) will follow guides on the 40' (12.19 m) LS-718 mast for pinning to the auxiliary counterweight frame lugs. The mast is then supported by fixed-length pendants.

3. With the mast and pendants in position, the crane operator is ready to raise the boom off the ground.

4. The boom is raised (and lowered) with the LS-718 crane boom hoist drum. (Third drum on standard LS-718.)

5. The LS-718 Heavy Lift is ready to go to work with the mast, boom and hoist lines in position.

