



PROD NO. 024858
MOD NO. IFEC-2T

2 TON FOLDING ENGINE CRANE

Owner's Manual



WARNING:

Read all instructions and safety warnings before operating this equipment. Failure to follow the instructions and safety warnings may result in personal injury or property damage.



WARNING!

The use of shop equipment is subject to certain hazards that cannot be prevented by mechanical means, but only by exercise of intelligence, care and common sense. It is therefore essential to have personnel involved in the use and operation of equipment who are careful, competent, trained and qualified in the safe operation of this equipment and its proper usage. Examples of hazards are dropping, tipping, or slipping of parts/components caused primarily by improperly securing loads, overloading, off-centered loads, use on other than hard level surfaces and using equipment for a purpose for which it was not designed.

The owner and/or operator shall study and understand the product and safety instructions before operating this equipment. Safety information shall be emphasized and understood. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends their contents. A copy of these instructions/warnings shall be retained for future reference.

SAFETY WARNINGS

- Study, understand and follow all instructions before operating this device.
- When using various shop equipment, basic safety precautions should always be followed.
- Keep work area clean and free from debris.
- Keep children away from work area and shop equipment. Keep hands and feet from loading area.
- Do not exceed rated capacity, keeping in mind the position of the boom determines the capacity.
- Use only on a hard, level surface.
- Prior to lifting, ensure the folding legs are secured in the lowered position and secured with #27 hitch pin and cotter pin.
- Do not go under a load that is being lifted or suspended.
- Before moving, lower the load to the lowest possible point; extra caution should be taken to ensure that the load does not swing beyond the wheels or legs causing the load and crane to tip over.
- Use only slings or chains with a rated capacity greater than the weight of the load being lifted.
- Do not allow the load to swing or drop violently while lowering or moving.
- Ensure the user is familiar with the controls and operational characteristics of this product and aware of the potential hazards associated with its use.
- No alterations shall be made to this product.
- Failure to heed these instructions may result in personal injury and/or property damage.



INSPECTION

A visual inspection must be made before each use, checking for abnormal conditions, such as cracked welds, leaks, damaged, loose or missing parts. This equipment shall be removed immediately from service if it is believed to have been subjected to an abnormal or shock load, the equipment shall be inspected by a qualified repair facility. Owners and/or operators should be aware that repair of this equipment may require specialized knowledge and facilities. It is recommended that this equipment be inspected annually by a qualified repair facility. Defective parts, decals, safety labels or signs should be replaced with ITC specified parts.

DIRECTIONS FOR USE

LIFTING

- 1) Adjust boom position to appropriate position for load being lifted and secure with nut and bolt provided. **NOTE:** Changing the position of the boom extension (4) will affect the lifting capacity of the crane.
- 2) Ensure legs are fully lowered and **LOCKED** in position using #27 hitch pins and cotter pins.
- 3) Using end of jack handle, turn the release valve clockwise until tight (do not overtighten).
- 4) Insert jack handle into pump receiver and operate the pump until desired height is attained.

LOWERING

- 1) Using end of jack handle, **SLOWLY** turn the release valve counterclockwise until the load begins to lower.
- 2) There is never any reason to turn the release valve more than 2 full turns counterclockwise.

CAUTION:

Heavier loads will lower very quickly, use extra caution when turning the release valve to lower the load.



PARTS LIST: *Please make sure all parts are included before assembling*

REF. PART NUMBER	DESCRIPTION	REQ.	REF. PART NUMBER	DESCRIPTION	REQ.
1 3020-1	Frame Base	1	2 3020-2	Front Leg	2
6 3020-6	5 Ton Ram	1	3 3020-3	Boom	1
7 3020-7	Pump Handle	1	4 3020-4	Boom Extension	1
10 3020-10	Handle	1	5 3020-5	Support Strap	2
23 3020-23	Large Caster	4	9 3020-9	Main Support	1
25 3020-25	Small Caster	2	8 3020-8	Hook Chain Assy.	1
3020-HDW	Hardware Kit	1			

ASSEMBLY:

- 1) **HAND TIGHTEN ALL NUTS AND BOLTS UNTIL STEP 14.**
- 2) Unpack hoist from packaging.
- 3) Lay out all of the contents from the hardware bag.
- 4) Place frame base (1) on floor, upside down, and attach large casters to rear of base using four small bolts, washers and nuts. Attach small casters to front of base using four small bolts.
- 5) Turn frame base (1) right side up with the wheels on the floor.
- 6) Insert legs to frame base (1), line-up holes and insert hitch pins through the frame base and leg, locking them with cotter pins.
- 7) Attach main support post (9) to frame (1) using M14 x 130 bolts, washers and nuts.
- 8) Attach support straps (5) to top of support post (9) using M15.75 X 100 bolt, washer and nut. Connect support straps (5) to frame base (1) using M14 x 80 bolts, washers and nuts.
- 9) Connect bottom of hydraulic ram (6) to support post (9) using M16 x 90 bolt, washer and nut.
- 10) Connect boom (3) to support post (9) using M18 x 105 bolt.
- 11) Using pump handle (7) close ram valve by turning clockwise, insert pump handle into pump plunger and pump jack until ram is extended by about 3 or 4 inches. Have someone hold the boom (3), while lining up the hole on the top of the ram (6) to the hole on the bottom of the boom, insert M16 x 70 bolt, washer and nut.
- 12) Attach chain (8) to boom extension (4) using M14 x 80 bolt, washer and nut.
- 13) Slide boom extension (4) into boom (3), making sure the chain is hanging down. Attach boom extension (4) to boom (3) using M14 x 80 bolt, washer and nut.
NOTE: changing the position of the boom extension (4) will affect the lifting capacity of the crane.
- 14) Tighten all nuts and bolts using socket wrench.



PARTS DIAGRAM:

