



Columbus**JACK**/Regent



“The Strength of Experience”

Bead Breakers





Bead Breakers



-
- Six models provide breaking capability for all aircraft models, both fixed and rotary wing.
 - Breaking capacities from 2,000 lb to 60,000 lb (*907 to 27,216 kg*).
 - No tire lifting required by the operator.



Bead Breakers



MULTI-AIRCRAFT TIRE BEAD BREAKER SPECIFICATIONS

MODEL NUMBER	BREAKING CAPACITY (Lbs/kg)	RIM DIAMETER RANGE MIN - MAX (Inches/mm)	TIRE WIDTH CAPACITY (Inches/mm)	OVERALL DIMENSIONS		
				LENGTH (Inches/mm)	WIDTH (Inches/mm)	HEIGHT (Inches/mm)
5033-010	2,000	6.0 - 16.0	11.0	35.0	33.5	13.0
	907	152 - 406	279	889	851	330
5372-010	2,000	6.0 - 16.0	9.0	40.0	50.0	13.25
	907	152 - 406	229	1,016	1,270	337
9470-011	12,000	7.0 - 21.0	16.5	46.0	68.5	42.0
	5,443	178 - 533	419	1,168	1,067	330
715J1000	25,200	16.75 - 35.0	28.0	53.2	69.0	35.0
	11,431	426 - 889	711	1,351	1,753	889
7003-020	35,000	12.5 - 32.5	26.0	57.0	106.0	30.0
	15,876	318 - 826	660	1,468	2,453	762
9323-020	60,000	12.0 - 40.0	22.0	60.0	110.0	31.0
	27,216	305 - 1,016	559	1,524	2,794	787



Models 5033-010 & 5372-010



Model 5033-010



Model 5372-010



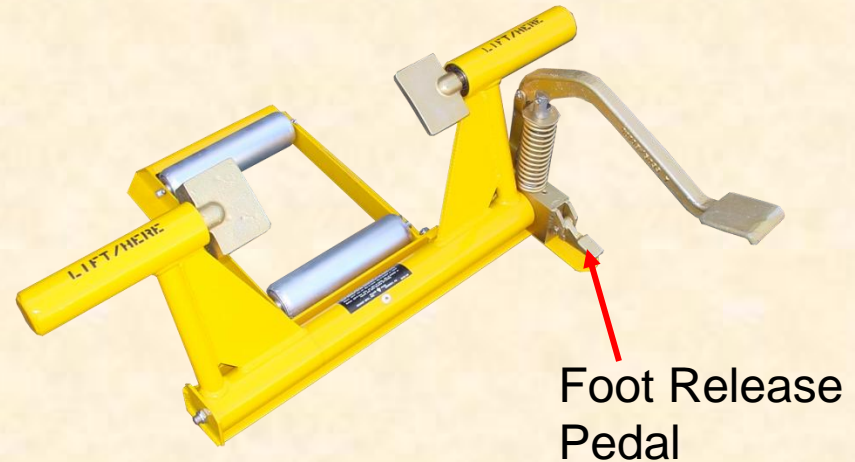
- Place tire on rollers.
- Adjust jaws to contact tire close to rim.
- Actuate foot pump to close jaws and break tire bead from rim.



Models 5033-010 & 5372-010



- Depress foot release pedal to retract jaws.
- Rotate tire on rollers and repeat until bead is broken completely from rim.
- For use on small tire assemblies (military fighters, helicopters and small nose wheels of commercial aircraft).





Models 5033-011 & 5372-011



With Air Pump Option



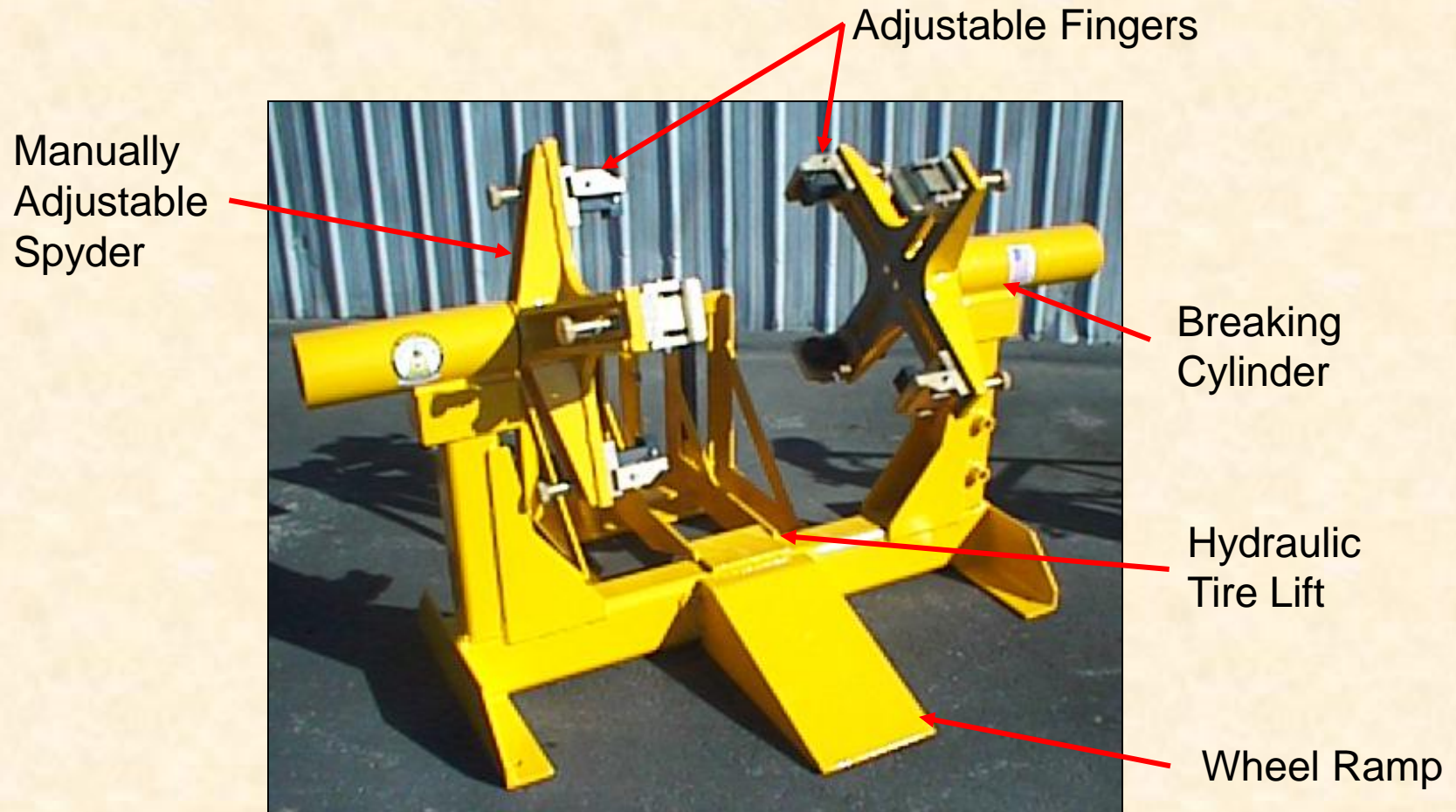
Model 9470-011



-
- Manually adjustable jaws fit multiple tire diameters.
 - Dual mode unit:
 - Normal breaking of tire beads.
 - Special designed jaws allow for disassembly and assembly of split rim wheels.
 - For use on commuter and other small tire applications.



Model 9470-011



Includes Separate Hydraulic Supply Not Shown.



Model 9470-011



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- To Operate:
 - Manually adjust jaws to clear rim diameter by 1-2 inches (25-50 *mm*).
 - Roll tire onto lift and lift tire until center of tire aligns with center of spyders, making sure jaws clear diameter or rim.
 - Manually adjust left spyder until jaws rest on sidewall of tire.
 - Operate breaking cylinder until tire bead is broken from rim.



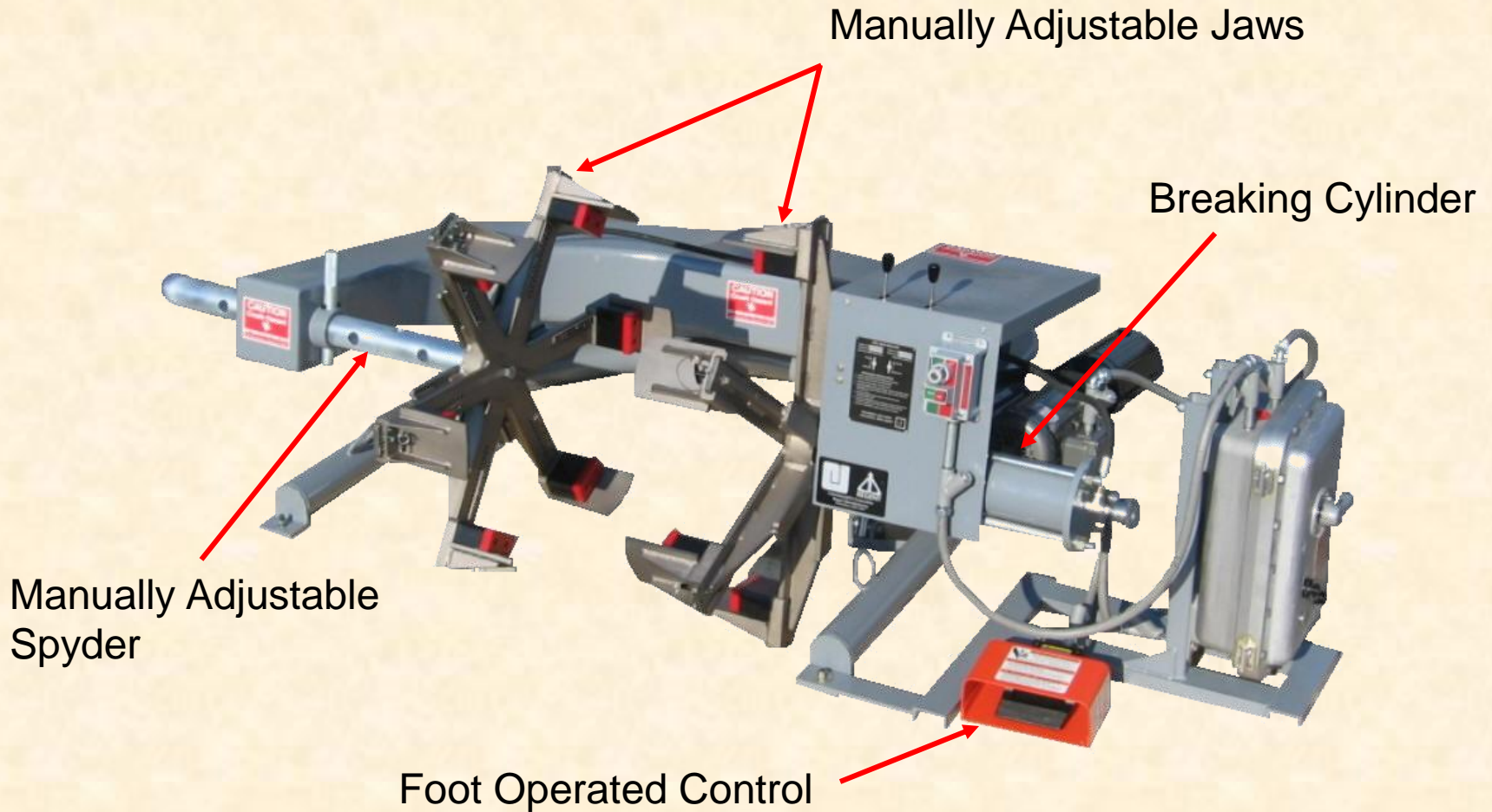
Model 715J1000



-
- Manually adjustable jaws fit multiple tire diameters.
 - 25,200 lb (*11,431 kg*) capacity provides breaking capability for all aircraft models, both fixed and rotary wing.
 - Frame lifts to align with center of tire.
 - Air or explosion proof electrically operated.



Model 715J1000





Model 715J1000



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- To Operate:
 - Manually adjust jaws to clear rim diameter by 1-2 inches (25-50 mm).
 - Roll tire into center of bead breaker.
 - Raise bead breaker until center of tire aligns with center of spyders, making sure jaws clear diameter or rim.
 - Manually adjust left spyder until jaws rest on sidewall of tire.
 - Operate breaking cylinder until tire bead is broken from rim.



Model 7003-020



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- Manually adjustable jaws fit multiple tire diameters.
 - 35,000 lb (*15,876 kg*) capacity provides breaking capability for all aircraft models, both fixed and rotary wing.
 - Frame lifts to align with center of tire.
 - Removable ramp for use on small diameter tires.
 - Air or electrically operated.

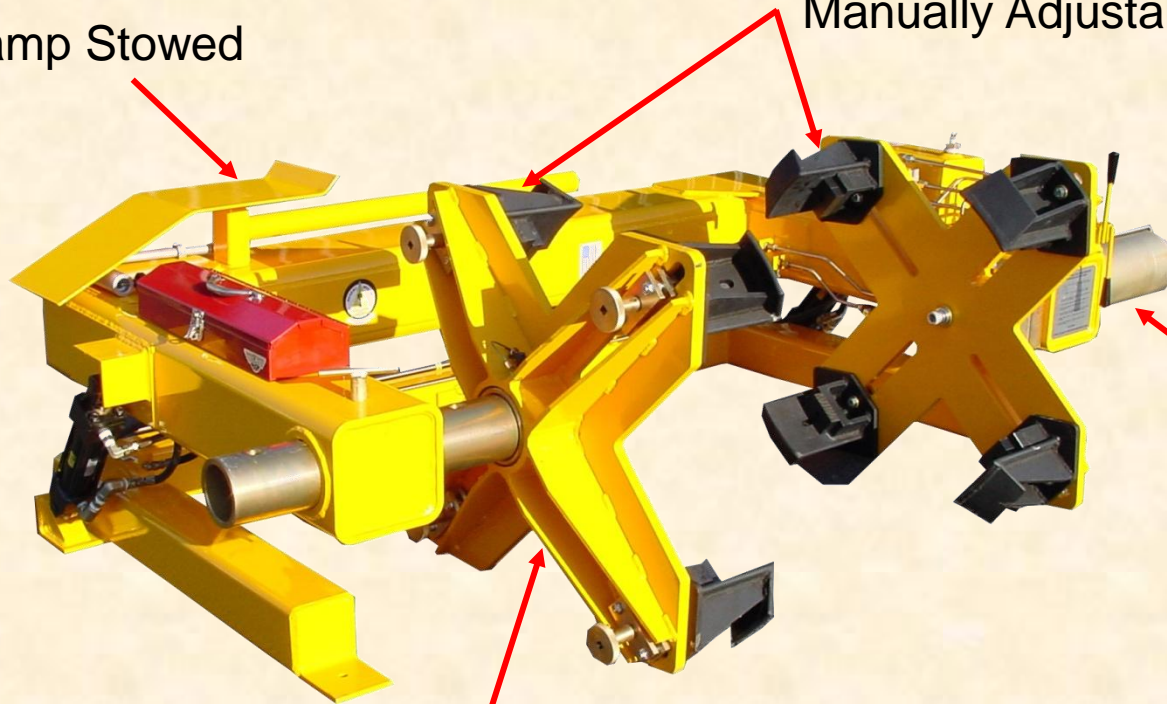


Model 7003-020



Wheel Ramp Stowed

Manually Adjustable Jaws



Breaking
Cylinder

Manually Adjustable Spyder



Model 7003-020



-
- To Operate:
 - Manually adjust jaws to clear rim diameter by 1-2 inches (25-50 mm).
 - Roll tire into center of bead breaker.
 - Raise bead breaker until center of tire aligns with center of spyders, making sure jaws clear diameter or rim.
 - Manually adjust left spyder until jaws rest on sidewall of tire.
 - Operate breaking cylinder until tire bead is broken from rim.



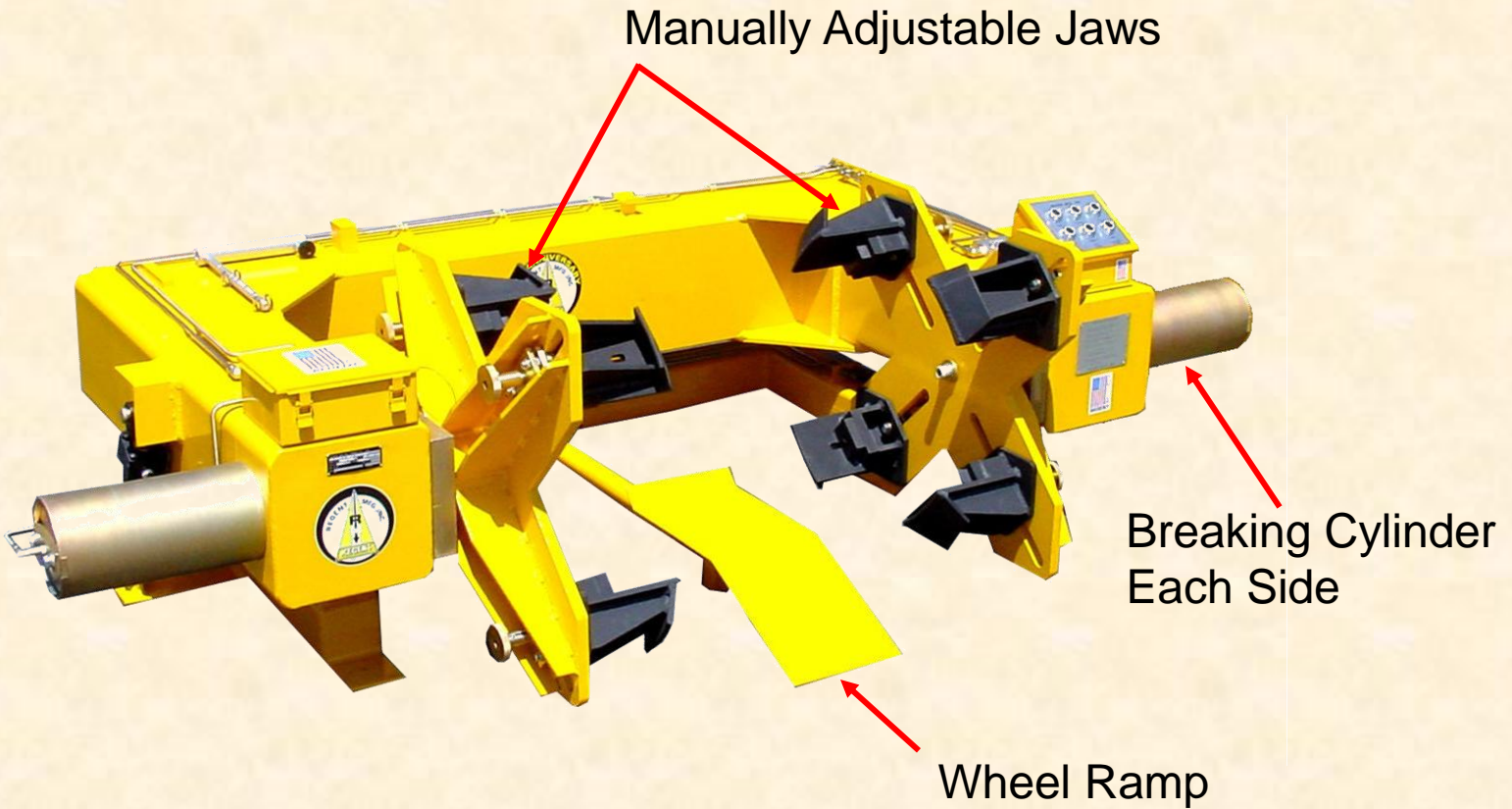
Model 9323-020



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- Manually adjustable jaws fit multiple tire diameters.
 - 60,000 lb (27,216 kg) capacity provides high production breaking capability for all aircraft models, both fixed and rotary wing with dual breaking cylinders.
 - Frame lifts to align with center of tire.
 - Removable ramp for use on small diameter tires.
 - Electrically operated.



Model 9323-020



Separate Electrically Driven Hydraulic Power Supply Not Shown.



Model 9323-020



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- To Operate:
 - Manually adjust jaws to clear rim diameter by 1-2 inches (25-50 *mm*).
 - Roll tire into center of bead breaker.
 - Raise bead breaker until center of tire aligns with center of spyders, making sure jaws clear diameter or rim.
 - Operate breaking cylinders until tire bead is broken from rim.



Model 7094-010



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- Custom designed for F-16 Block 40 and later aircraft.
 - Dual mode unit:
 - Breaking of tire bead.
 - Special designed jaws allow for disassembly and assembly of split rim wheel.
 - Frame lifts to align with center of tire.
 - Air operated.

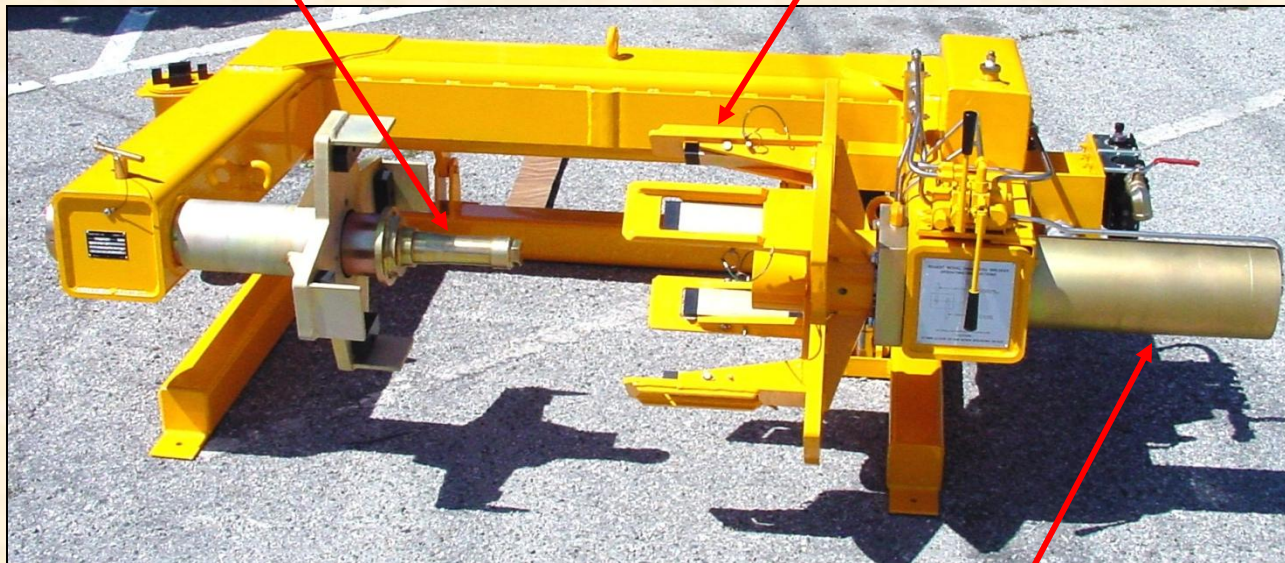


Model 7094-010



Custom Designed Support Shaft
Mounts Wheel Hub

Custom Designed Two- Position
Jaws For Assy. & Dis-assy. Of
Split Rim



Breaking Cylinder



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