

Bearing Race Starter Kit

10908

**TIGER
TOOL**[®]

Have What It Takes

Safety Warning

Read all instructions and safety warnings prior to operation. Failure to do so could result in equipment damage, personal injury or even death.

CAUTION: USE REPLACEMENT PARTS AND ACCESSORIES PROVIDED BY TIGER TOOL ONLY. ALL REPLACEMENT PARTS AND ACCESSORIES ARE AVAILABLE. KEEP HYDRAULIC COUPLER PROTECTED WHEN NOT IN USE. DUST CAPS SHOULD BE USED ON COUPLERS WHEN NOT IN USE TO AVOID CONTAMINANTS FROM ENTERING THE HYDRAULIC CYLINDER AND POWER SOURCE. THIS PRACTICE WILL HELP TO EXTEND THE LIFE OF THIS PRODUCT AND ENSURE CONTINUED CONSISTENT OPERATION.

- **Stay Alert!** Watch what you are doing and use common sense when operating this tool.
- Inspect product for damage prior to using; do not use if product is in unsafe condition.
- Do not operate tool while under the influence of drugs, alcohol or medication.
- Always use safety equipment to prevent injuries. Approved face and eye protection must always be worn by the operator, as well as others in the work area.
- Do not overreach. Keep proper footing and balance at all times.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts.
- Keep hands clear of all pressurized hydraulic components.
- Always ensure hoses are free from sharp bends and kinks.
- Keep your work area clean and well lit.
- Cylinders are designed for 10,000 psi (700 bar) maximum working pressure. Do not connect to a pump with a higher rated pressure. Use a pressure gauge in the system at all times. Ensure all components in the system are rated for 10,000 psi (700 bar).



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Operating Instructions

Race Removal

CAUTION: Always follow Manufacturers recommendations when servicing bearing races.

- 1 Choose the adapter kit you require for your bearing set/race number. Place the split ring over the disk wedge (tapered faces together).
(Figure A)
- 2 Take the clamp plate and place on top of split ring and disk wedge. Ensure holes are aligned, then insert the Hex Flange Screws and tighten by hand.
(Figure B)
- 3 With the hub removed from the truck and placed on its side, grab the clamp assembly with supplied Press Spacer and insert it into the hub. The hex flange screw heads should be facing towards the direction you want to push the race. Align the groove in the split ring with the minor diameter of the race. Using an impact wrench, alternate between the two hex flange screws applying even force until the clamp plate and disc wedge have come in to contact.
(Figure C)
- 4 For removing inner race, place the Spacer Ring on the shop-press platform and with the Press Spacer still in place, place hub (race facing downward) directly on top of Spacer Ring. The spacer ring provides additional depth for the race to be pressed out. Spacer ring is not required for outer race removal.
(Figure D)
- 5 Engage shop-press (ensuring full contact with Press Spacer) until bearing race is pressed out.



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Operating Instructions

Race Installation

CAUTION: Always follow Manufacturers recommendations when servicing bearing races.

- 1 Place bearing race into the hub while ensuring the race seat is clean and free from burrs or debris.
(Figure E)
- 2 Place the appropriate installer plate onto the race with its tapered side down.
(Figure F)
- 3 Place hub onto shop-press and engage press ensuring equal and even pressure is being applied. It may be necessary to tap the installer plate with a hammer if the race is not parallel to the hub. You will have to carefully watch the entire installation to ensure the race stays parallel.
(Figure G)
- 4 Once race is seated, release hydraulic pressure from press and disassemble all components ensuring they are clean, and ready for the next use.



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Parts Breakdown



Item No.	Part Number	Description	Qty.
1	10908-1	Clamp B Disk Wedge	1
2	10908-2	Clamp B Plate	1
3	10908-3	Clamp A Disk Wedge	1
4	10908-4	Clamp A Plate	1
5	10908-5	Clamp C Disk Wedge	1
6	10908-6	Clamp C Plate	1
7	10908-8	Press Spacer	1
8	10908-17	Spacer Ring	1
9	10908-23	3/8"-16 X 1" Hex Flange Screw Gr8	4
10	10908-38	5/16-18 X 1-3/8 Hex Flange Screw Gr8	2

Check out the collection of pullers and installers we offer.