

Tool Instruction Air Compressor Lift

4328228R2

Tool Number: 04-202-01



0000301822

Figure 1. 04-202-01 Air Compressor Lift.

Purpose

To assist with on vehicle removal and installation of the 2 cylinder Yoo Sung air compressor.

Application(s)

ProStar[®]

Application(s) (cont.)



GOVERNMENT REGULATION: Engine fluids (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluids and other contaminated materials (such as filters or rags) in accordance with applicable regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable regulations.

! WARNING: To prevent property damage, personal injury, and / or death. Park vehicle on hard flat surface, turn the engine off, shift transmission to park or neutral, set the parking brake, and install wheel chocks to prevent the vehicle from moving in either direction.

! WARNING: To prevent personal injury and / or death. Always wear safe eye protection when performing vehicle maintenance.

! WARNING: To prevent property damage, personal injury, and / or death. Remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

! WARNING: To prevent property damage, personal injury, and / or death. Check winch for proper operation on each use. Do not use if damaged. Failure to comply may result in property damage, personal injury, and / or death.

! WARNING: To prevent property damage, personal injury, and / or death. Inspect winch cable before every use. Do not use if cable shows any sign of kinked / frayed / broken wires, deformation, or any other damage.

! WARNING: To prevent property damage, personal injury, and / or death. Never exceed maximum rated capacity. Winch is rated on first layer of cable on the hub. Using additional layers of cable increases the load on the winch. Excessive load may cause premature failure.

! WARNING: To prevent property damage, personal injury, and / or death. Never apply load on winch with cable fully extended. Keep at least three full turns of cable on winch reel.

! WARNING: To prevent property damage, personal injury, and / or death. Secure load properly. When winch operation is complete, do not depend on winch to secure load.

! WARNING: To prevent property damage, personal injury, and / or death. Read all safety instructions in the “Safety Information” section of the *Engine Service Manual* or *Engine Diagnostic Manual*.

! WARNING: To prevent property damage, personal injury, and / or death. Operate winch using hand power only. Never operate winch using a motor of any kind. If winch cannot be operated easily with one hand, it may have exceeded load capacity.

! WARNING: To prevent property damage, personal injury, and / or death. Never use winch as a hoist for lifting / transporting / supporting people, or for loads over areas where people may be present.

Application(s) (cont.)




⚠ WARNING: To prevent property damage, personal injury, and / or death. Do not let engine fluids stay on your skin. Clean skin and nails using hand cleaner and wash with soap and water. Wash or discard clothing and rags contaminated with engine fluids.

⚠ WARNING: To prevent property damage, personal injury, and / or death. Never apply load on winch with cable fully extended. Keep at least three full turns of cable on winch reel.

CAUTION: To prevent property damage. Do not over tighten winch when cable end contacts the lift arm. Over tightening condition could cause damage or breaking of the cable.

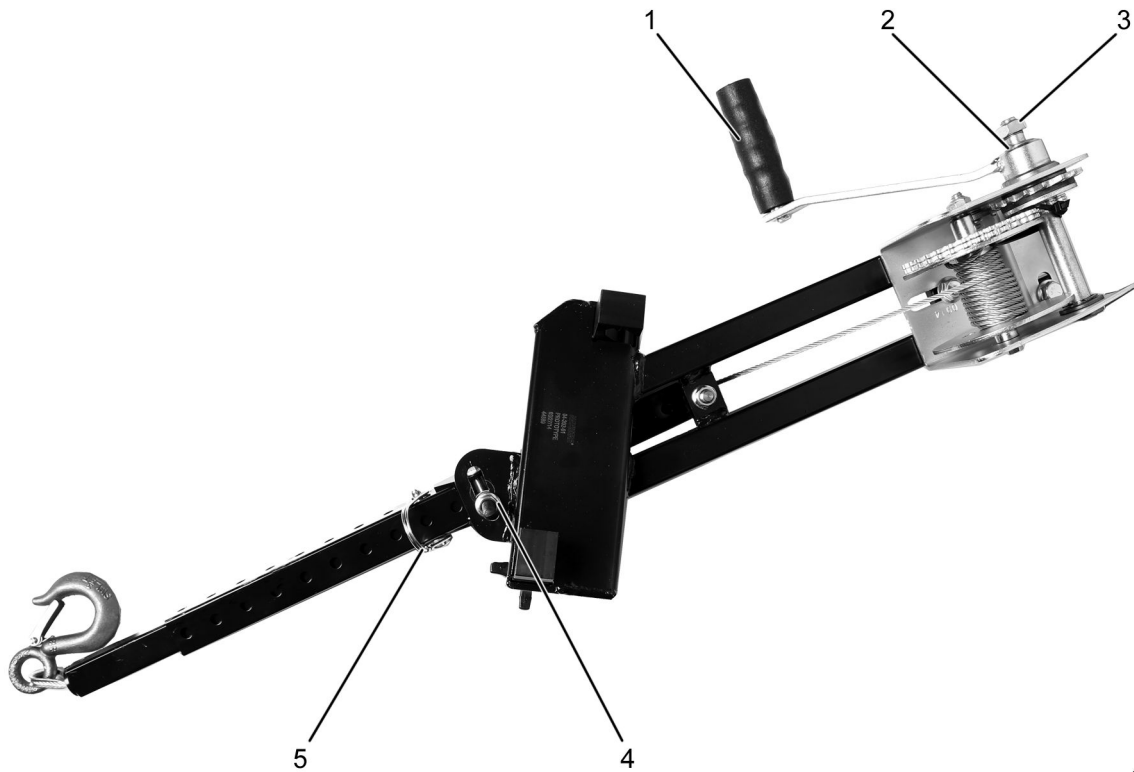
Tool Contents

Table 1

Image	Tool Number	Qty	Description
 <p>0000301847</p>	04-202-01-01	1	Air Compressor Lift
 <p>0000301848</p>	04-202-01-02	1	Lifting Eye Bracket W/ Attachment Bolts
 <p>0000160075</p>	4328228R1	1	Tool Instruction

Instructions

PRE-ASSEMBLY / ADJUSTMENT



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Figure 2. Air Compressor Lift Pre-Assembly.

- | | | |
|--------------------|-------------------|---------------|
| 1. Handle assembly | 3. Locknut | 5. Clevis pin |
| 2. Spring | 4. Adjustment nut | |

1. Thread handle assembly (Figure 2, Item 1) onto winch / crane drive shaft. **Make sure that a clicking noise is produced when handle is turned clockwise.**
2. Install spring (Figure 2, Item 2) over drive shaft and secure with locknut (Figure 2, Item 3).
3. Winch / crane arm height can be adjusted as well as left / right positioning by loosening adjustment nut (Figure 2, Item 4). Adjust as needed and tighten adjustment nut.
4. Winch / crane arm can be extended by removing clevis pin (Figure 2, Item 5). Adjust as needed and install clevis pin.

Instructions (cont.)

INSTALLATION

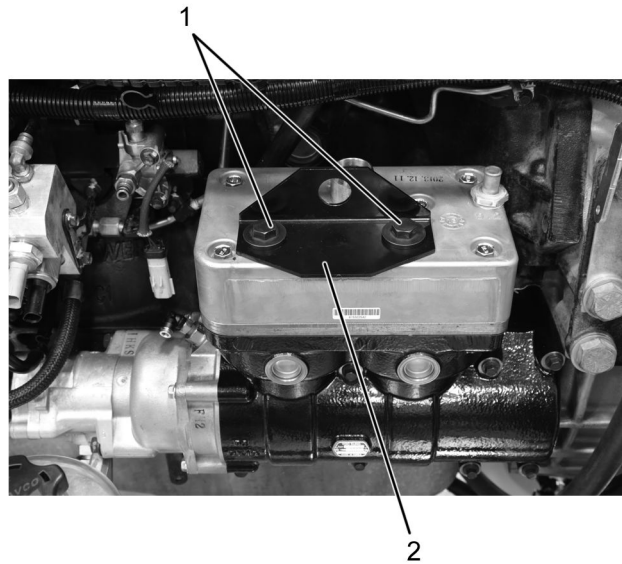
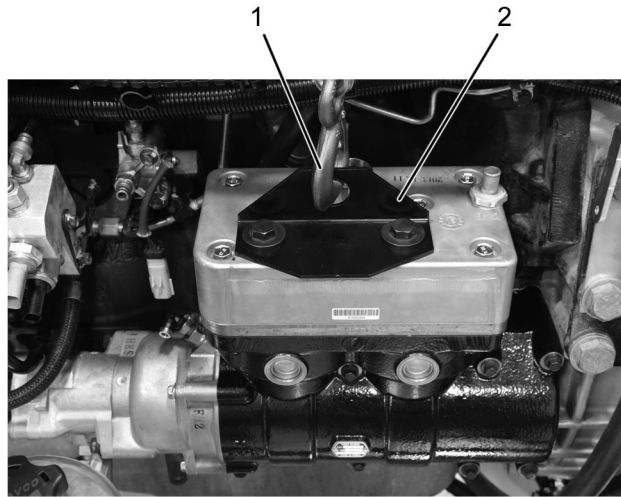


Figure 3. Lifting Eye Bracket.

1. Lifting eye bolt (2)
 2. Lifting eye bracket
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1. Install lifting eye bolts (Figure 3, Item 1) through lifting eye bracket (Figure 3, Item 2) and into top of air compressor. Tighten bolts securely.

Instructions (cont.)



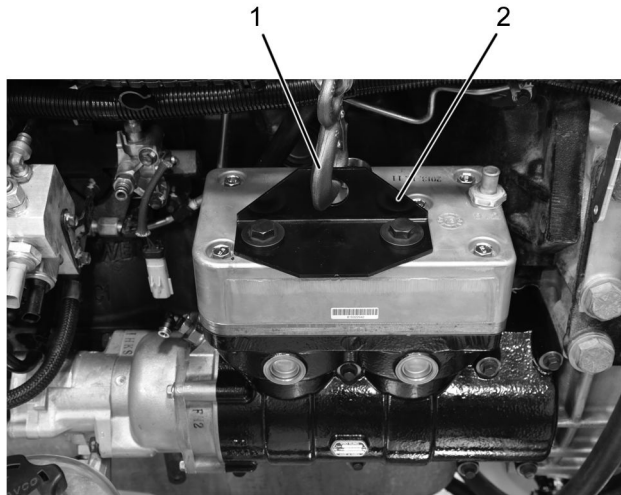
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Figure 5. Hook Attachment.

1. Hook
2. Lifting eye bracket
3. Position lifting hook (Figure 5, Item 1) into lifting eye bracket (Figure 5, Item 2).
4. Refer to appropriate service manual, service bulletin, or equivalent for detailed instruction.

Instructions (cont.)

REMOVAL



0000301843

Figure 6. Hook Attachment.

1. Hook
2. Lifting eye bracket

1. Remove lifting hook (Figure 6, Item 1) from lifting eye bracket (Figure 6, Item 2).
2. Remove lifting eye bracket from air compressor.

Instructions (cont.)

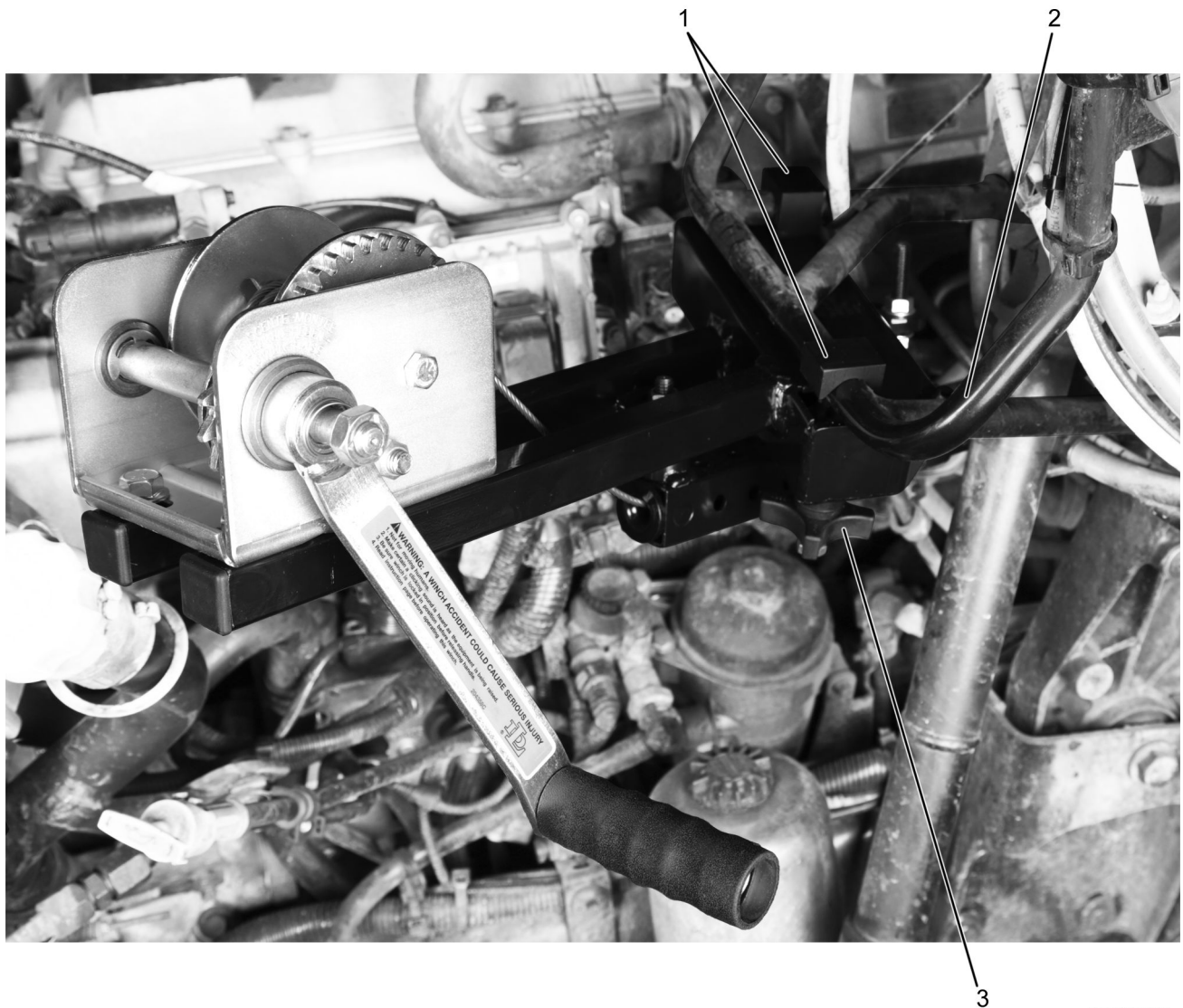


Figure 7. Air Compressor Lift.

1. Air compressor lift assembly hook (2)
 2. Air filter bracket
 3. Thumbscrew (2) (1 not shown)
3. Loosen thumbscrews (Figure 7, Item 3), and remove air compressor lift assembly hooks (Figure 7, Item 1) from air filter bracket (Figure 7, Item 2).
 4. Refer to appropriate service manual, service bulletin, or equivalent for detailed instruction.
 5. Remove air compressor lift assembly.

Contact Information

If you would like to order additional tools or need replacement parts, please refer to the Navistar Service Tool Catalog. If you have questions, concerns, or feedback, please contact Navistar Service Tool Support Center:

- Submit a Service Tool iKNow Case File.
- Phone: 800-365-0088 (toll free).