

# TYM

## WORKSHOP MANUAL

### FOR

## TRACTORS

### (T303/T353)



**TYM**  
www.tym.co.kr

BYUCKSAN GROUP  
TONGYANG MOOLSAN CO., LTD.

**TRACTORS**

**T303/T353**

*Workshop manual*

---

<b>Chapter 1. Introduction</b>	<b>01</b>
<b>Chapter 2. Disassembly and reassembly of major point</b>	<b>02</b>
<b>Chapter 3. Engine accessories</b>	<b>03</b>
<b>Chapter 4. Clutch system</b>	<b>04</b>
<b>Chapter 5. Transmission</b>	<b>05</b>
<b>Chapter 6. Front axle (4WD)</b>	<b>06</b>
<b>Chapter 7. Rear axle and Brakes</b>	<b>07</b>
<b>Chapter 8. Power steering system</b>	<b>08</b>
<b>Chapter 9. Hydraulic system</b>	<b>09</b>
<b>Chapter 10. Electric accessories and instruments</b>	<b>10</b>
<b>Chapter 11. Service standard and other information</b>	<b>11</b>

<b>INTRODUCTION-----</b>	<b>1-1</b>
<b>SAFETY INTRODUCTION-----</b>	<b>1-2</b>
<b>WARNING SIGNS IN THIS MANUAL -----</b>	<b>1-5</b>
<b>SAFETY SIGNS -----</b>	<b>1-6</b>
<b>SAFETY DECALS -----</b>	<b>1-11</b>
<b>UNIVERSAL SYMBOLS -----</b>	<b>1-14</b>
<b>SECTION 1. TRACTOR TYPES AND PUNCHED</b>	
<b>IDENTIFICATION MARKS -----</b>	<b>1-15</b>
<b>SECTION 2. SPECIFICATIONS-----</b>	<b>1-17</b>
<b>SECTION 3. GEAR TRAIN DIAGRAMS-----</b>	<b>1-20</b>
<b>SECTION 4. PRECAUTIONS FOR TRACTOR OPERATIONS---</b>	<b>1-21</b>
<b>1. INSTRUMENTS -----</b>	<b>1-21</b>
<b>2. CONTROLS -----</b>	<b>1-22</b>
<b>3. FILLING DIAGRAM AND CAPACITY TABLE-----</b>	<b>1-24</b>
<b>4. MAINTENANCE CHART -----</b>	<b>1-25</b>

## *Chapter 1 .Introduction*

---

**This tractor Workshop manual is for qualified service personnel engaged in servicing and overhauling T303/T353 tractor. Use of this publication is not recommended for field operators since they usually do not have access to special tools and shop equipment essential for most servicing.**

**Servicing procedures outlined herein contain sufficient information to return all component parts of a tractor to new condition. In discussion of each component parts, it is assumed that a complete overhaul is been performed, consequently, complete disassembly and reassembly are outlined. The mechanic is relied upon to decide how far disassembly must be carried when complete overhaul is not required.**

**Study unfamiliar service procedures thoroughly and clearly understood before attempting disassembly. Specific data essential for proper overhaul, such as running clearances and torque values, have been provided in interline of Inspection and reassembly procedures of each group section.**

**This manual was compiled from latest information available at time of publication. Manufacturer reserves the right to make changes at any time without notice.**

**Whenever the terms "left" and "right" are used, They means as viewed by the operator when seated in the operator's seat.**

## **SAFETY INSTRUCTION**

### **ALWAYS PRACTICE SAFETY BY THINKING BEFORE ACTION**

#### **AVOID FIRE HAZARDS.**

- Keep fire extinguishers easily available and in good operating condition.  
All relevant personnel should know how to operate fire fighting equipment.
- Keep a first aid kit in an easily accessible location.
- Do not smoke while handling fuel, or other highly flammable material.
- Do not use an open pail for transporting fuel.
- Use of an approved fuel container.
- Dispose of all fuel-soaked rags in covered containers where cigarettes cannot be dropped carelessly.
- Do not smoke and avoid open flame when charging, jumping, or boosting batteries.
- Batteries give off gas which is flammable and explosive.
- Do not charge batteries in a closed area. Provide proper ventilation to avoid explosion of accumulated gases.

#### **Avoid acid burns.**

- Wear safety goggles when handling battery electrolyte. It contains sulfuric acid which is a poison and can cause blindness. Avoid it contacting eyes, skin, or clothing. Sulfuric acid will eat through clothing and can cause severe burns to skin.

#### **AVOID HIGH-PRESSURE FLUIDS**

- 1) Before beginning work on hydraulic system components, turn off engine and operate hydraulic control levers to relieve internal hydraulic pressure.
- 2) Oil under pressure can penetrate skin and lead to personal injury. Treat sources of oil pressure with extreme care, wearing safety goggles.
- 3) If hydraulic leak develops, correct immediately. Escaping hydraulic oil can have extremely high pressure. A stream of high pressure oil may easily penetrate skin just like modern needless vaccination equipment, but with the exception that hydraulic fluid may cause blood poisoning. It is imperative that connections are tight and that all lines and pipes should be in good condition. If injured by escaping hydraulic fluid, see a doctor at once.

**Thanks for your reading.**

**Please click here to download complete manual instantly.**

**And can also choose other manuals.**

**Feel free --->write to me with any questions.**

**Our service email:**

**manuals007@hotmail.com**