



Australia's Safest Tanks and Trailers

OPERATORS HANDBOOK



www.tti.com.au

Call 1800 816 277

Call our friendly team today to discuss our product range and complete sales catalogue.

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Thank you for your purchase of a TTi WeedMasta 55.

Please read all instructions and precautions in this handbook carefully.

Congratulations on purchasing a high quality WeedMasta 55. The spray tank has been designed to suit a wide range of ATV models, and incorporates numerous features with the main focus on operator safety.

The spray tank allows use with the smaller ATV, or enables the inclusion of spray booms and mounting brackets without exceeding loading limits of the ATV.

The spray tank is baffled to reduce product surge, thus increasing stability. A 4 litre clean water bottle incorporated into the spray tank adds a further safety feature.

1. Read your ATV Owner's Manual before mounting or using any equipment on your ATV. Comply with all weight restrictions as specified by your ATV manufacturer, as overloading can cause injury or death.

2. To ensure your own safety, comply with all relevant legislation and Codes of Practice
 - Pesticides Act 1978
 - Occupational Health and Safety Act 1983 (OHS Act)
 - Code of Practice for the safe use of chemicals (including pesticides and herbicides) in agriculture – Workcover Authority

3. Select and wear appropriate Personal Protection Equipment in accordance with the product labelled you intend using.

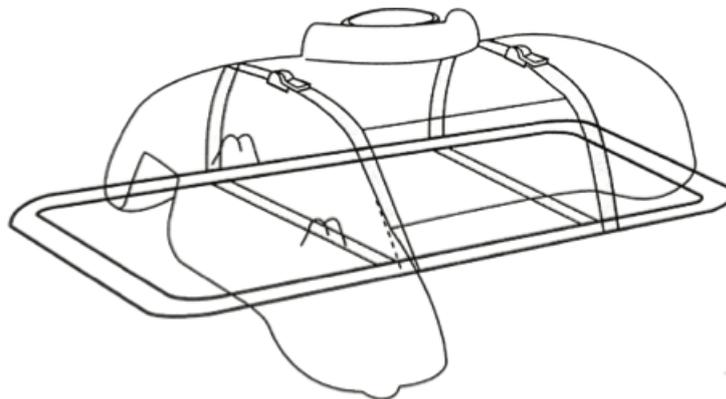
4. Care should be taken when spraying in windy conditions as spray drift may contaminate the operator or damage adjacent non- target vegetation.

5. Once the spraying operation has been completed, decontaminate spray tank and spray accessories.. Dispose of tank rinsing in compliance with current regulations. See Point 1 in the MAINTENANCE section for decontamination guidelines.

6. Personal Protection Equipment must be worn while decontaminating your sprayer

7. It is recommended that a speed of 10 km/h is not exceeded while spraying

1. Your WeedMasta ATV Sprayer comes completely assembled
2. Mount the tank by strapping it to the cargo rack of your ATV, using the ratchet tie-down strap. Follow the strap route as shown in Figure 1
3. Attach the hand lance rigid pipe to the hand lance trigger taking care not to overtighten or cross thread the cap nut
4. Add approximately 5 litres of clean water to the spray tank
5. Connect the electrical lead to the battery (red to the positive terminal - black to the negative terminal) Usually this involves removing the ATV seat.
6. The pump will commence pumping upon electrical connection. Depress the hand lance trigger to exhaust entrapped air from the system. Release the hand trigger and the pump will automatically shut off.
7. Your sprayer is now ready to commence calibration procedures, see calibration section or spraying preparation



Additional Notes

1. Calibrate your sprayer using water only before adding chemical to the spray tank. See page (9) for calibration procedures.
2. Ensure that the nozzles selected match the pump delivery. Insufficient nozzle or boom delivery will cause the pump to cycle. This continual switching on and off will reduce battery and motor life. pump cycling may also occur when using the hand lance and adjustable nozzle if the nozzle has been set too fine. Should this occur, alter the setting of the nozzle tip until the cycling stops.

The following steps are given as a guide for mixing and filling the sprayer:

1. Read the product label and follow the instructions carefully, taking special note with regard to the order in which the products are added to the tank.
2. Measure out the correct quantity of pesticides, using clean measuring jugs used only for this purpose.
3. Half fill the sprayer with clean water then add the measured pesticide.
4. Rinse out the measuring vessel and empty containers. Pour all rinsings into the sprayer tank and top up the tank with water to the required level. Ensure thorough mixing by stirring with a suitable round edged paddle.

1. Before commencing spraying, plan the work effectively to reduced potential contamination to a minimum.
2. Wind speed and direction must be taken into account. Avoid spraying on still, hot and sunny days or when wind speeds exceed 6.5km/h.
3. Do not spray if spray drift appears to contaminate the operator, bystanders, watercourses or any non-target vegetation.
4. Drift can be reduced by lower nozzle height, lower pressures or by fitting larger nozzles.
5. To commence spraying, depress the hand lance trigger to activate the pump. Release the trigger to stop the spray – the pump will automatically close off.
6. Spray at a constant speed (as used during calibration) and shut off the hand lance trigger at the end of each swath or before changing direction.
7. Work in parallel lines at the correct spacing when spraying large areas – this is better than moving the hand lance from side to side in a swinging movement which causes damage by overdosing.

After use the sprayer must be thoroughly decontaminated, inside and outside – including pump, hoses, boom and hand lance to avoid damage to crops from harmful spray residues and to the sprayer from corrosion or abrasion. As a guide following the decontamination procedures below:

1. After spraying, the tank, pump, hand lance and spray hose should be flushed by running it with clean water, plus a recommended cleaning fluid. It is best to clean sprayers in the field or area just treated. This avoids the difficult problem of disposing of the dilute washings.
2. The filler basket strainer must be removed from the tank and soaked in clean water and brushed with a soft nozzle brush to remove trapped particles.
3. The suction strainer or foot strainer at the end of the suction line can be simply removed and cleaned in the same way as the filler basket strainer – replace by inserting the hose tail back into the suction line.
4. Nozzle filters (if fitted), nozzle tips, nozzle caps and gaskets should be cleaned by soaking in water, brushing with a nozzle brush and allowed to dry. Never blow through nozzles with your mouth, nor use wire or pins to clear any blockages.
5. When re-assembling ensure that the quick fit nozzle cap gasket is correctly positioned. Unscrew the hand lance grip and remove the filter screen and clean the same way as described for the suction filter. Ensure that the o-rings do not become displaced during cleaning. Re-assemble the hand lance ensuring that the filter screen is correctly aligned in the handle body before the hand lance grip is screwed back.
6. When storing the unit ensure that it is clean and dry and kept in a well ventilated place.

For effective spraying, ensure you have taken the following factors into account:

1. Work Rates

- Speed of operation
- Water points or nurse tanks
- Rate of travel
- Swath width
- Spray volume applied

2. Wind Direction and drift

- Wind Speed
- Wind Direction
- Airspeed at boom height

Avoid spraying on still warm days as convection currents may cause drift in unpredictable directions.

Optimum wind speeds are between 3km/h to 7 km/h

- Wind drift is controlled by;
 - Reducing nozzle height
 - Reducing pressure and using larger nozzles
 - Fit low-drift nozzles producing larger droplets

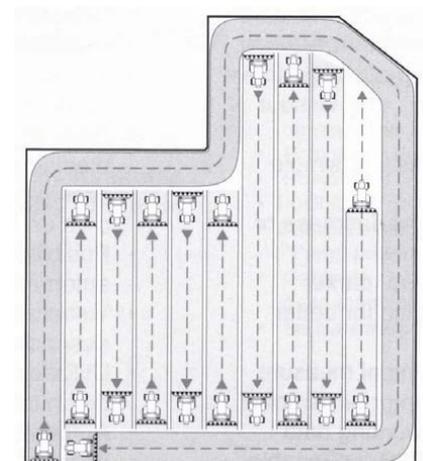
3. Field Work (See diagram below)

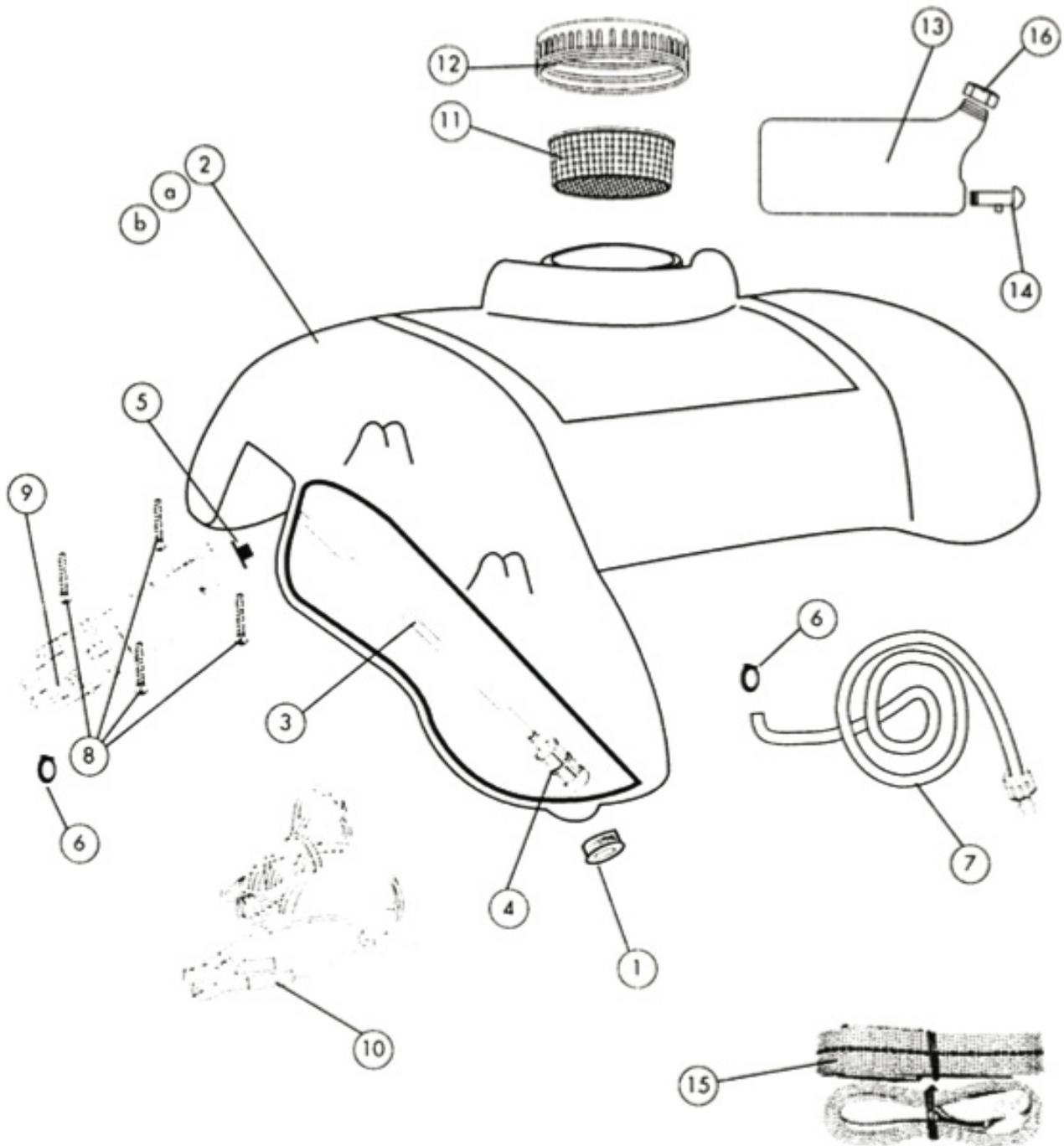
Swath marking and spraying

- Mark out to ensure proper pass matching – use flags foam markers or tramlines
- Where large obstructions exist in the middle of an area to be sprayed, mark out and spray the area like a separate headland.
- The perimeter of the field should be sprayed first. The width of two swaths will give adequate turning space at the ends of spray runs.
- Never spray while turning.

4. Speed

Maintain a constant speed when spraying. Should you need to increase your spraying speed, larger delivery nozzles must be fitted. Re-calibrate as required





No.	Code	Description	QTY
1	STA66	Drain Plug	1
2A	ANEV35T	35 litre tank	1
2B	ANEV35T	55 litre tank	1
3	STAH08-S	8 mm suction hose	
4	STA60	Filter	1
5	STA68	Through tank grommet	1
6	C13	Hose Clamps	1
7	STAH08	4m - 8mm hose complete	1
8	//12SS23	Screws pump mounting	8
9	STAP023	SLV10 Shurflo Pump	1
10	STA70	Electrical leads	1
11	YP287	Basket strainer	1
12	YP286K	Tank lid and valve	1
13	STOO4WT	4 Litre water tank	1
14	TAPO3	Water tank tap	1
15	STA90	Tie Down Straps Pair	1
16	PTWK19	Cap for water bottle	1
17	135YP135	Nozzle 2 mm	1
18	136YP136	O-ring AN-5	1
19	137YP137	Front Elbow	1
20	726YP 726	Front elbow and nozzle	1
21	101YP101	O-ring AN-8	2
22	127YP127	Cone nut	2
23	138YP138	Cone nut	2
24	140YP140	Tube	1
25	727YP727	Pipe with nuts	1
26	167YP 167	O-ring AN-14	1
27	349YP349	O-ring AN-3	1
28	356YP356	Handle body	1
29	357YP357	Grip	1
30	358YP358	Trigger	1
31	359YP359	Trigger lock	1
32	363YP363	Spring	1
33	608YP608	O-ring AN-6	1
34	883YP883	Complete handle	1
35	885YP885	Complete lance	1
36	904YP904	Filter with O-rings	1

A wide range of accessories are available for use with your spot sprayer. Each accessory can be fitted and removed very simply without the use of any tool.

SKU Description

YA00B	Rectangular spraying shield with fan nozzle
YA00C	Conical spraying shield with fan nozzle
YA00D	0.5 lance extension
YA00E	4 cone nozzle spray boom (spray width up to 2m)
YA00F	Wide angle herbicide nozzle and elbow – very useful for spraying weeds in lawns
YA00H	Flexible double cone nozzle spray head
YA00I	0.25 m flexible lance extension
YA00K	1 m aluminium lance extension
YA00L	1.5 m aluminium lance extension
YA00R	Telescopic 2 nozzle boom (spray width up to 1.2m)

1. WARRANTY POLICY:

TTI will, at its option, repair or replace, without charge, any part covered by this warranty which is found to be defective in material and/or workmanship within one (1) year* after date of sale to the original retail purchaser unless the product is used for rental purposes, in which case this warranty is limited to ninety (90) days. Upon request, the customer will make the defective part available for inspection and/or return the defective part to TTI, transportation charges prepaid. All parts and components are covered by this warranty except the following, which are warranted separately by their respective manufacturers: - engines, gearboxes, pumps & regulators. TTI does not assume any warranty obligation, liability or modification for these items, which are covered exclusively by the stated warranty of the respective manufacturers.

2. WHAT THIS WARRANTY DOES NOT COVER:

- A.** This warranty does not cover defects caused by depreciation or damage caused by incorrect mounting, normal wear, accidents, improper maintenance, improper use or abuse of the product, alterations or failure to follow the instructions and warnings provided.
- B.** The customer shall pay any charges for making service calls, clean up time and transport charges.
- C.** The use of non-genuine parts on equipment supplied by TTI will automatically negate any warranty.

3. HOW TO OBTAIN SERVICE UNDER THIS WARRANTY:

Warranty service can be arranged by contacting your dealer or by contacting Trans Tank International, Call 03 5866 3266 or P O Box 137, Nathalia VIC, 3638. Proof of warranty registration and date of purchase may be required to verify warranty coverage. Any defective parts returned to us must be accompanied by a Return Goods Note. This form can be obtained by contacting Product support on 1800 816 277 or email ProductSupport@tti.com.au

4. WARRANTY LIMITATION:

- A.** There is no other express warranty. Any warranty that may be implied from this purchase including merchantability and fitness for a particular purpose is hereby limited to the duration of this warranty and to the extent permitted by law. Any and all implied warranties are excluded.
- B.** TTI will not be liable for any incidental, consequential or special damages and/or expenses in connection with the purchase or use of this equipment, to the extent permitted by law.
- C.** Only the warranty expressed in this limited warranty shall apply and no dealer, distributor, or individual is authorized to amend, modify, or extend this warranty in any way. Accordingly, additional statements, whether oral or written, do not constitute warranties by TTI, and should not be relied upon.



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Manufactured by: Trans Tank International
Murray Valley Highway
Nathalia 3638
Australia
FREECALL 1800 816 277

Whilst every care has been taken in the preparation of these instructions, no liabilities can be accepted with regard to errors or omissions. Product specifications are subject to change in line with our commitment to continuous improvement.

To validate your warranty, please complete registration on-line at
<http://www.tti.com.au/index.php/warranty>

Alternatively if you are unable to register on-line fill in all the details below, copy and email
to warranty@tti.com.au or post to the address on the back cover.

I have read and understood the instructions in this booklet.

Model _____ Date purchased ____ / ____ / ____

Serial Number _____ [located on side of tank]

Purchased from _____
(Dealer Name and Town)

Purchaser's Name _____

Purchaser's Address _____

Post Code _____

Phone # _____ Mobile # _____

Purchaser's Signature _____



Australia's Safest Tanks and Trailers

Trans Tank International

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