



# MARSHALL

Engineering excellence for **60** years

## TRAILERS

**OPERATING & SAFETY INSTRUCTIONS**

**FOR SPARE PARTS GO TO**  
**WWW.MARSHALL-TRAILERS.CO.UK**

**FOR ALL TRAILER MODELS**



**CHARLES J. MARSHALL (ABERDEEN) LTD**  
**CHAPEL WORKS, BUCKSBURN, ABERDEEN, AB21 9TL.**  
Telephone: 01224 722777 Fax: 01224 724034  
Email: [charles@marshall-trailers.co.uk](mailto:charles@marshall-trailers.co.uk)  
[www.marshall-trailers.co.uk](http://www.marshall-trailers.co.uk)

**EC DECLARATION OF CONFORMITY**

**WE: CHARLES J. MARSHALL (ABERDEEN) LTD**

**CHAPEL WORKS, BUCKSBURN, ABERDEEN, SCOTLAND, AB21 9TL.**

**DECLARE THAT THE PRODUCT:**

**MAKE: CHARLES J. MARSHALL (ABERDEEN) LTD**

**TYPE: MARSHALL TRAILER**

**MODEL: \_\_\_\_\_**

**SERIAL NO: \_\_\_\_\_**

**CONFORMS TO THE ESSENTIAL HEALTH & SAFETY REQUIREMENTS OF 98/37/EC MACHINERY DIRECTIVE AS AMENDED BY 2006/42/EC DIRECTIVE.**

**PLACE OF ISSUE – CHAPEL WORKS, BUCKSBURN,  
ABERDEEN, SCOTLAND, AB21 9TL.**

**NAME & TITLE OF AUTHORISED PERSON:**



**CHARLES R. MARSHALL  
MANAGING DIRECTOR**

**DATE: \_\_\_\_\_**

**WE ENCLOSE OUR INSTRUCTIONS FOR THE SAFE OPERATION OF THIS MACHINE, THE WORKING OF WHICH IS FULLY UNDERSTOOD BY THE UNDERSIGNED.**

**CUSTOMER'S SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_**

## **SAFETY INSTRUCTIONS**

### **Important Safety advice!**

- 1. STOP**
- 2. THINK**
- 3. CALL 01224 722777**

**Safety First: Please read and fully understand the contents of this instruction manual, if you are in any doubt whatsoever of the safe operation of this machine, please contact Charles J. Marshall (Aberdeen) Ltd on Tel. 01224 722777.**

1. Always ensure that no one is in the area of the chassis and body during tipping operations.  
**DO NOT ENTER THE DANGER AREA FOR ANY REASON.**
2. Always be prepared for the taildoor to open rapidly upon release of the catches.
3. Never tip a loaded trailer beyond 21° unless the taildoor is released and the load is being dispersed.
4. Always apply the parking brake when the trailer is to be left unhitched from the tractor.
5. Silage sides must be fitted from an elevated position or by some mechanical means.
6. If fitting a bale extension please be aware that the maximum load the extension can support is 500kg.
7. If using a retro-fitted rear tow hitch please be aware this is only designed for towing a second trailer empty. Please also note that the rear tow hitch is not designed as a towing out point, designated rear towing-out points can be found on the back of the chassis members.

## **MAINTENANCE INSTRUCTIONS**

1. Using a mechanical prop to hold up the body, check all hydraulic hoses for chaffing, signs of wear and perishing.
2. Tipping points shall wear, causing serious damage and posing an obvious safety problem. Pins should be removed and checked annually. Replace as necessary, not forgetting ram bolts.
3. Hubs / Bearings must be greased regularly; we recommend they are checked after the first fourteen days work, then six monthly thereafter.

4. U-bolts & spring-locating bolts should be checked every eight hours for the first week of operation then monthly thereafter.
5. Castle nuts should be checked after the first forty hours of work, then six monthly thereafter.
6. Tyre pressure should be checked regularly (See page 6).
7. Wheel nuts should be checked when the machine is new, then after operating for one hour, then one day and weekly thereafter. The same procedure applies if nuts have been removed and replaced (18mm stud diameter = 270Nm / 22mm stud diameter = 475Nm).
8. Check the tow hitch for wear and replace accordingly.
9. Check all chassis securing points and strengtheners for signs of wear or cracking.
10. Lights should be kept clean and if not in use for some length of time, coating with some form of oil spray is recommended.
11. On tandem axle trailer, springs/rocker bushes should be greased every eight hours of use.
12. If the trailer is not to be used we recommend you remove the drain bolt at the front of the floor (monocoque bodied trailers only).



**BRAKE ADJUSTMENT:** This can be done by loosening the nut behind the clevis, then rotating the piston, adjustment will appear from the ram. Remember to tighten the locknut when completed.



## **SILAGE ASSEMBLY INSTRUCTIONS**

1. Remove the grain door.
2. Carefully lift both sides of silage sides consecutively and place in position on sides of trailer.

**CAUTION – PANELS CANNOT BE LIFTED BY ONE PERSON, WE RECOMMEND A MECHANICAL LIFTING MACHINE.**

Always use a safe means to reach the panels and bolts – DO NOT climb on the trailer.

3. Fit front mesh panel and bolt through the four holes but do not tighten.
4. Place side loading panels in the required position (e.g. 1 on each side or 1 only). Ensure that you leave enough space to allow the gate tie bar to be placed between the panel and the upright end.
5. Place the tailgate into the slot with some form of mechanical loader. Place the bolts through the side loading panel, gate and upright, using the washer to cover the adjusting slot.
6. With a long flat screwdriver, push the bottom corner of the silage gate from left to right, until it runs vertical with the trailer side, then tighten all bolts on the gate and front mesh.
7. Fit the bolts through the side of the trailer, securing the silage panels. The same procedure is used for the side loading panels.
8. Fit the channel bracket which holds the tailgate latch ram in place.
9. Thread through the ¼" hydraulic hoses and 'T' them into the union behind the rams.
10. Fit the hydraulic rams into the channel bracket and simply couple up the hydraulic hose.
11. Reverse the above procedure for removing silage sides.

**FOR SPARE PARTS GO TO**  
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Part Number	Size	Maximum Weight	Speed	Max Tyre Pressure
<b>Please note this chart is for reference only each tyre brand can have different ratings.</b>				
083/01-26-12	26 x 1200 x 12	800kg	25km/h	20psi
083/01-100-12	10.0/80x12 10ply	1000kg	30km/h	45psi
083/01-100-15	10.0 x 15.3	1500kg	30km/h	52psi
083/01-115-15	11.5 x 15	2000kg	30km/h	52psi
083/01-125-15	12.5 x 15	2500kg	30km/h	60psi
083/01-135-17	13.5 x 17	2500kg	30km/h	45psi
N/A	15/70 x 18	3200kg	40km/h	75psi
083/01-15-22.5	15 x 22.5 (385/65R 22.5)	4500kg	80km/h	90psi
083/01-401-60	405x60R 22.5	4500kg	80km/h	90psi
083/01-1555-17	15-55 x 17	2120kg	40km/h	52psi
083/01-1670-20	16/70 x 20	3000kg	40km/h	49psi
083/01-165-70	16.5 x 70 x 18	3200kg	40km/h	54psi
N/A	18 x 22.5	5800kg	80km/h	90psi
N/A	BN2 340/457-1300 x 18	2600kg	40km/h	60psi
N/A	BN3 1300 x 530 x 533	4500kg	40km/h	53psi
N/A	BN4 22/70-20	4500kg	40km/h	33psi
083/01-340-65	XP27 Radial 340/65R 18	2650kg	90km/h	72psi
083/01-400-60	400-60 x 22.5	4000kg	40km/h	51psi
083/01-550-45	550-45 x 22.5	4375kg	40km/h	41psi
083/01-560-45	560-45 x 22.5	4575kg	45km/h	58psi
083/01-560-60	560-60 x 22.5	5595kg	50km/h	58psi
083/01-500-60	500-60 x 22.5	5450kg	40km/h	41psi
083/01-550-60	550-60 x 22.5	5300kg	40km/h	44psi
083/01-435-50	435-50 x 19.5 2YR	4500kg	100km/h	100psi
083/01-184-30	18.4 x 30 14 pr	3550kg	40km/h	39psi
083/01-184-34	18.4 x 34 14 pr	3650kg	40km/h	36psi
083/01-231-26	23.1 x 26	3950kg	40km/h	36psi
083/01-281-26	28.1 x 26	6100kg	40km/h	33psi
083/01-305-32	30.5 x 32	7100kg	40km/h	39psi
083/01-750-60	750 x 60 x 30.5	8500kg	40km/h	60psi



## MARSHALL PRE-DELIVERY INSPECTION CHECK

Customer's Name:	
Address:	Post Code:
Model:	Serial Number:

### Check

### Completed

Check Tyre Pressure (See chart on page 6)	<input style="width: 90%;" type="text"/>
Tighten Wheel Nuts (18mm Stud Diameter = 270Nm / 22mm Stud Diameter = 475Nm)	<input style="width: 90%;" type="text"/>
Check U-bolt Torque (19mm Bolt Diameter = 270Nm / 22mm Bolt Diameter = 540Nm / 24mm Bolt Diameter = 600Nm)	<input style="width: 90%;" type="text"/>
Grease Hubs	<input style="width: 90%;" type="text"/>
Check External Wheel Bearing (Ensure No Side Movement on Wheels)	<input style="width: 90%;" type="text"/>
Grease Tandem Springs or Oscillating Rocker If Fitted	<input style="width: 90%;" type="text"/>
Check All Securing Bolts	<input style="width: 90%;" type="text"/>
Check Lights (If applicable)	<input style="width: 90%;" type="text"/>
Check For Damaged Paint and Touch Up If Necessary	<input style="width: 90%;" type="text"/>
Check Brake Rams (Extend and return freely)	<input style="width: 90%;" type="text"/>
Taildoor Fitted and Adjusted Correctly	<input style="width: 90%;" type="text"/>
Rams and Hydraulic Hoses Checked For Leaks	<input style="width: 90%;" type="text"/>
Ensure Relevant Paperwork Is Completed and Handed to the Operator	<input style="width: 90%;" type="text"/>

**Signed:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**General Overall Condition Satisfactory**

To be returned when completed:

Fax – 01224 724034 Email – [admin@marshall-trailers.co.uk](mailto:admin@marshall-trailers.co.uk)

Post – Charles J Marshall (Aberdeen) Ltd, Chapel Works, Bucksburn, Aberdeen, AB21 9TL.