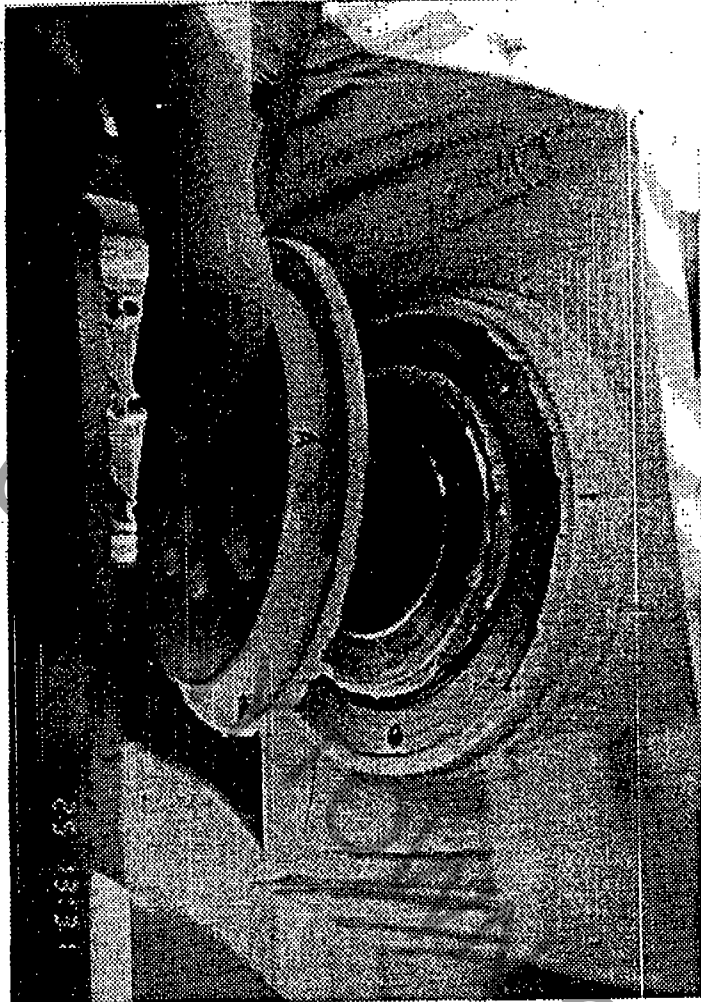


MFG: SORIANI MOSER  
NAME: WILD RIVER RAFT  
TYPE: NON-KIDDIE

WILD RIVER RAFT  
MANUAL

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LOWELL RAPPISCH,  
WILD RIVER RAPPISCH,



- 1. SMONTARE I COPRIGELI DEGLI SNOCI BIELLE VENTURE (A)
- 1. DISMONTARE TRE HINGE CAPS OF THE CONNECTING RODS (A)
- 1. DEMONTER LES COUVERCLES DES ARTICULATIONS BIELLES VOITURES (A)

SOCIETA' E. MOSEK S.p.A.  
MANIFATTURE DI ARSIZIO SUD  
45037 MELARA (BO) ITALY TEL (0425) 69111-89075

MANUALE MANTENIMENTO  
CONTROLLI GIORNALIERI

WILD WATER TROPHY  
DATA  
06/10/88

DISSEGNAZIONE

Foglio n° 1



- 2° CONTROLLARE L'AVVITAMENTO DEL GRANO DI FISSAGGIO (A)  
 SULLO SNODO DELLA VEITURA
- 2° CHECK THE SCREWING OF THE FIXING BOLT OF THE COACH  
 HINGE
- 2° CONTRÔLER LE VISSAGE DU GRAIN DE FIXAGE (A) SUR  
 L'ARTICULATION DE LA VOITURE

SORIANI E MOSER S.R.L.  
 MANUFACTURERS OF AMUSEMENT RIDES  
 45037 MELARA(BO) ITALY tel.(0425)891111-898075

MANUALE MANUTENZIONI  
 CONTROLLI GIORNALIERI

MIL. WATER TROPHY

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| DATA     | DISEGNATORE | Foglio n° |
| 06/10/88 |             | 2         |

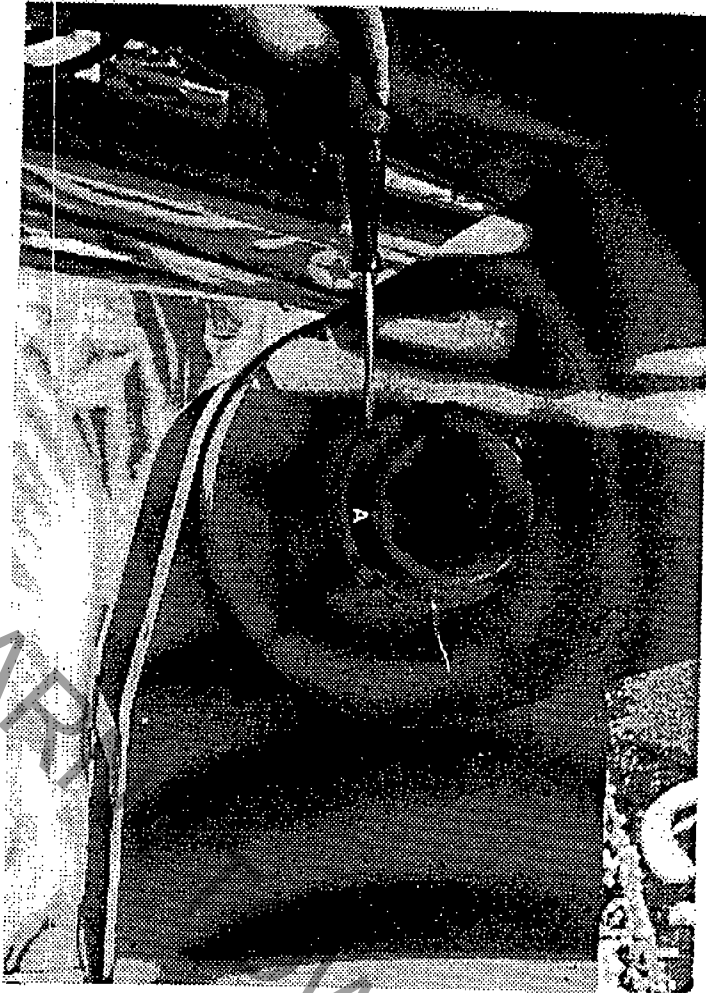


- 3. CONTROLLARE L'AVVITAMENTO DEL GRANO DI FISSAGGIO (B)
- 3. SULLO SMODO DELLA BIELLA
- 3. CHECK THE SCREWING OF THE FIXING BOLT OF THE
- 3. CONNECTING RODS HINGES
- 3. CONTROLER LE VISSAGE DU GRAIN DE FIXAGE SUR
- 3. L'ARTICULATION DE LA BIELLE

SORIANI E MOSE S.R.L.  
 MANUFACTURES OF AMUSEMENT RIDES  
 45017 PIZZARA(RO) ITALY tel.(0425)89111-89075

MANUALE MANUTENZIONI  
 CONTROLLI GIORNALIERI

WILD WATER TROPHY  
 DATA 06/10/88  
 DISGNATORE  
 FOGLIO N° 3



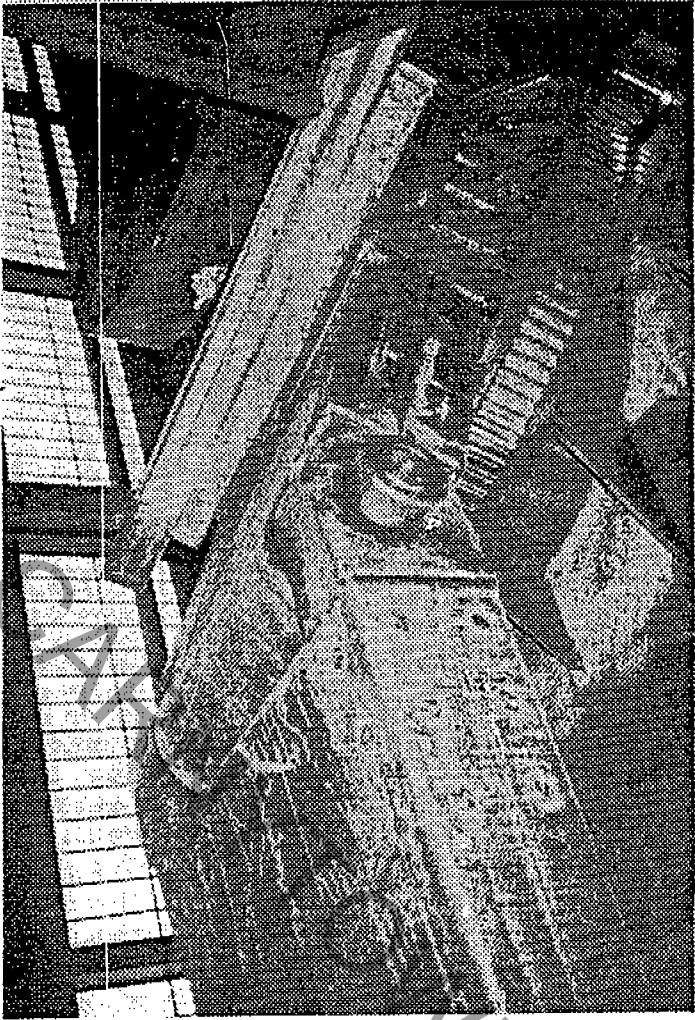
1°a VERIFICARE IL BLOCCAGGIO DELLA CIERA DI CONDIZIONE  
 (A) DEGLI SNODI DI ENTRAMBE LE BIELLE  
 2°a CHECK THE LOCK OF THE RING NUT JOINING BOTH  
 CONNECTING RODS HINGES  
 3°a VERIFIER LE BLOCCAGE DE L'EMBOUT DE LA CONJONCTION  
 DES ARTICULATION DES DEUX BIELLES

SORLARI E ROGER S.R.L.  
 MANUFACTURES OF AMUSEMENT RIDES  
 45037 MELARA(RO) ITALY tel.(0425)89111-89075

MANUALE MANUTENZIONI  
 CONTROLLI GIORNALIERI

WILD WATER TROPHY  
 DATA 06/16/88  
 DISEGNATORE

Foglio N° 4



- 4° CONTROLLARE IL SERPAGGIO DEL GRANO SUL DADO (A) NELL  
SNODO DELLA BIELLA MOBILE
- 4° CHECK THE TIGHTENING OF THE BOLT ON THE NUT IN THE  
HINGE OF THE MOVING CONNECTING ROD
- 4° CONTROLER LE SERPAGE DU GRAIN SUR L'ECROU DANS  
L'ARTICULATION DE LA BIELLE MOBILE

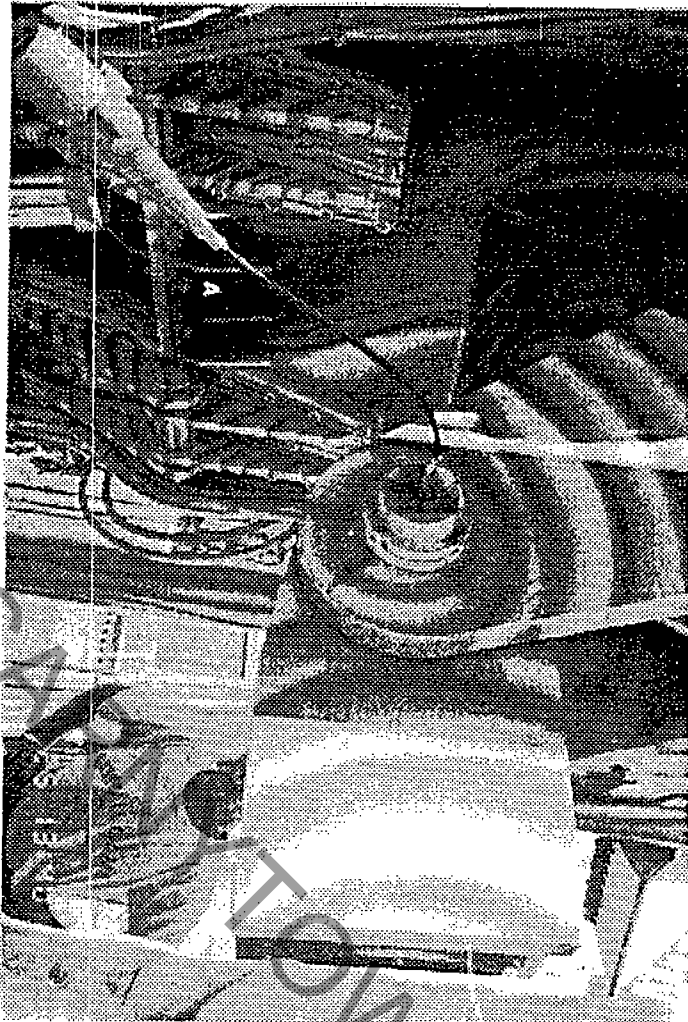
SORJANI & MOSEK S.R.L.  
 MANUFACTURERS OF AMUSEMENT RIDES  
 45017 MELARA(BO) ITALY tel.(0423)89111-89075

MANUALE MANUTENZIONI  
 CONTROLLI GIORNALIERI

WILD WATER TROPHY  
 DATA  
 06/10/88

DISIGNATORE

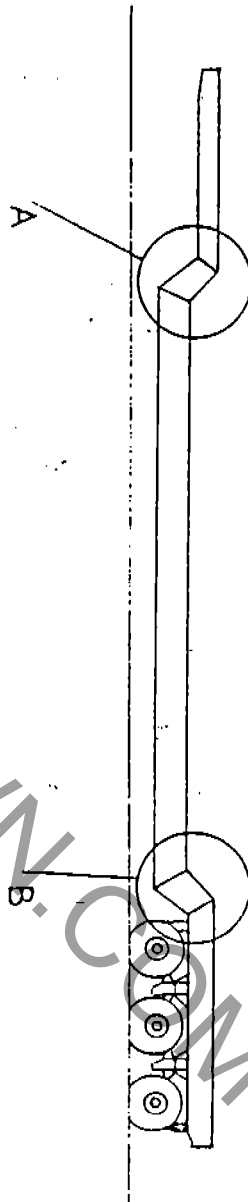
FOGLIO N° 5



- 5° CONTROLLARE IL SERRAGGIO DEI DADI (A) SULLE FLANGE DELLE COLONNE
- 5° CHECK THE TIGHTENING OF THE NUTS ON ON THE COLUMNS FLANGES
- 5° CONTROLER LE SERRAGE DES ECROUX SUR LES BRIDES DES COLONNES

SCORIANI E HOSEK S.R.L.  
 MANIFATTURE DI APOSCHEMPT RIDES  
 45037 MELARA(BO) ITALY tel.(0425)89111-89075

|                       |  |                   |             |
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| MANUALE MANUTENZIONI  |  | WILD WATER TROPHY |             |
| CONTROLLI GIORNALIERI |  | DATA              | DISEGNATORE |
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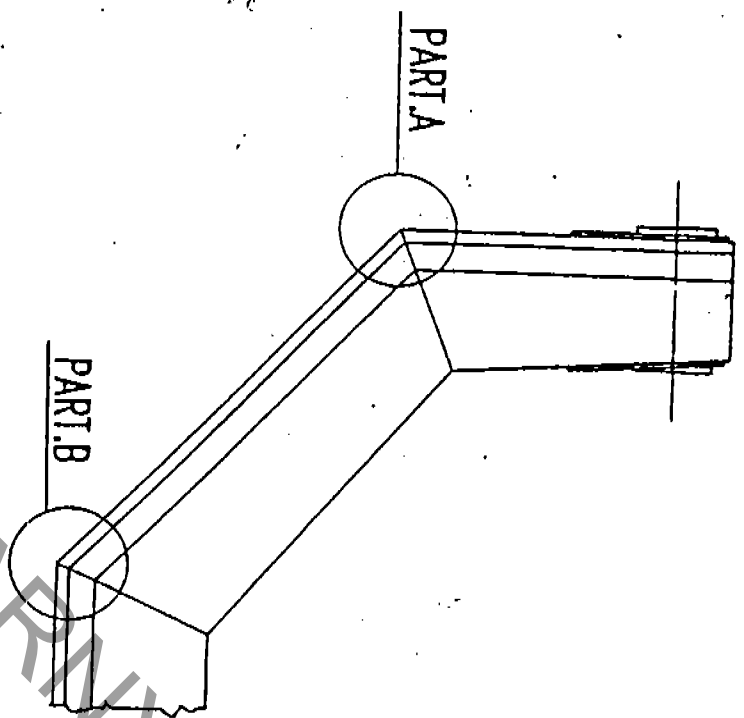


- 6° CONTROLLARE L'ATTIVITÀ DELLE GIORNIONI (A) E (B)
- 6° CHECK THE COMPLETENESS OF THE HINGES (A) AND (B)
- 6° CONTRÔLER L'INTÉGRITÉ DES JOINTS (A) ET (B)

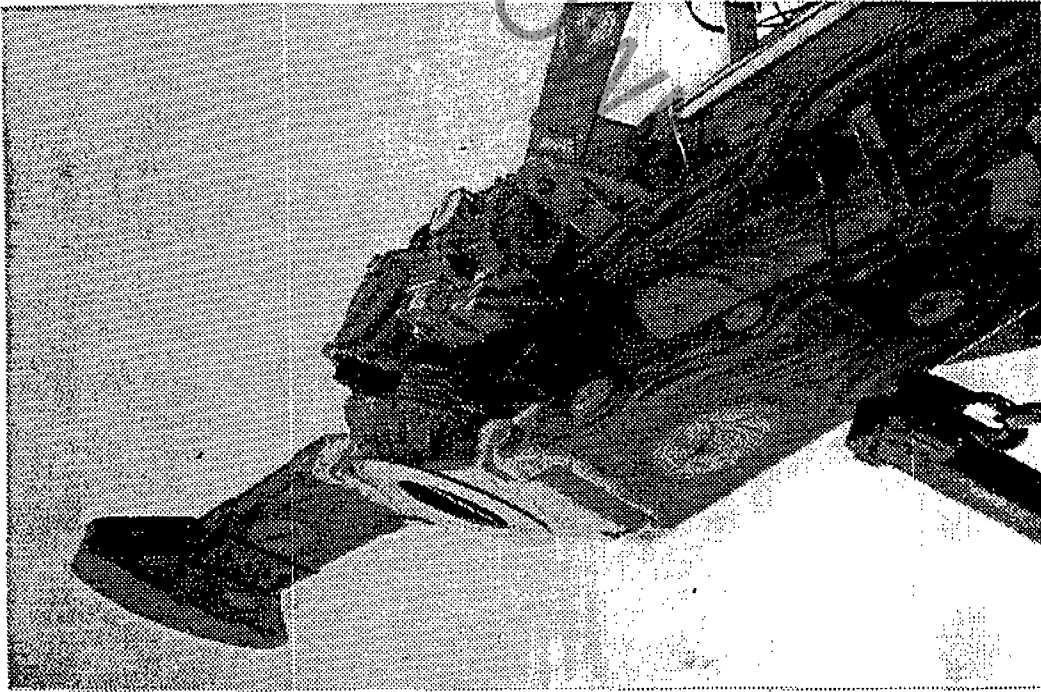
SCRIVANI E MOSEK S.R.L.  
 MANIFATTURE DI AMMONTRENT RIDES  
 45017 MELARA(BO) ITALIA tel(0425)89111-89075

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| MANUALE MANUTENZIONI. | WILD WATER TROPHY |             |             |
| CONTROLLI GIORNATELLI | DATA              | DISEGNATORE | Foglio n° 7 |
|                       | 06/10/88          |             |             |

- 6. CONTROLLARE L'INTEGRITA' DELLE GIUNZIONI (A) E (B)
- 5. CHECK THE COMPLETENESS OF THE RINGS (A) AND (B)
- 5. CONTROLLER L'INTEGRITA' DES JOINTS (A) ET (B)



|   |  |  |               |                   |  |
|---|--|--|---------------|-------------------|--|
| SOCIETA' E MOSEK S.R.L.<br>MANUFACTURES OF AMUSEMENT RIDES<br>45037 METABIA(BO) ITALY tel.(0425)89111-89075 |  | MANUALE MANUTENZIONI.<br>CONTROLLI GIORNARIERI |               | WILD WATER TROPHY |  |
|   |  | DATA<br>06/10/88                               | DISSEGNAZIONE | FOGLIO N° 72      |  |



- 8° CONTROLLARE SERRAGGIO DADI CONTRAPPESO
- 8° CHECK THE TIGHTENING OF THE NUTS  
COUNTERBALANCE
- 8° CONTRÔLER LE SERRAGE DES ECROUX  
CONTREPOIDS

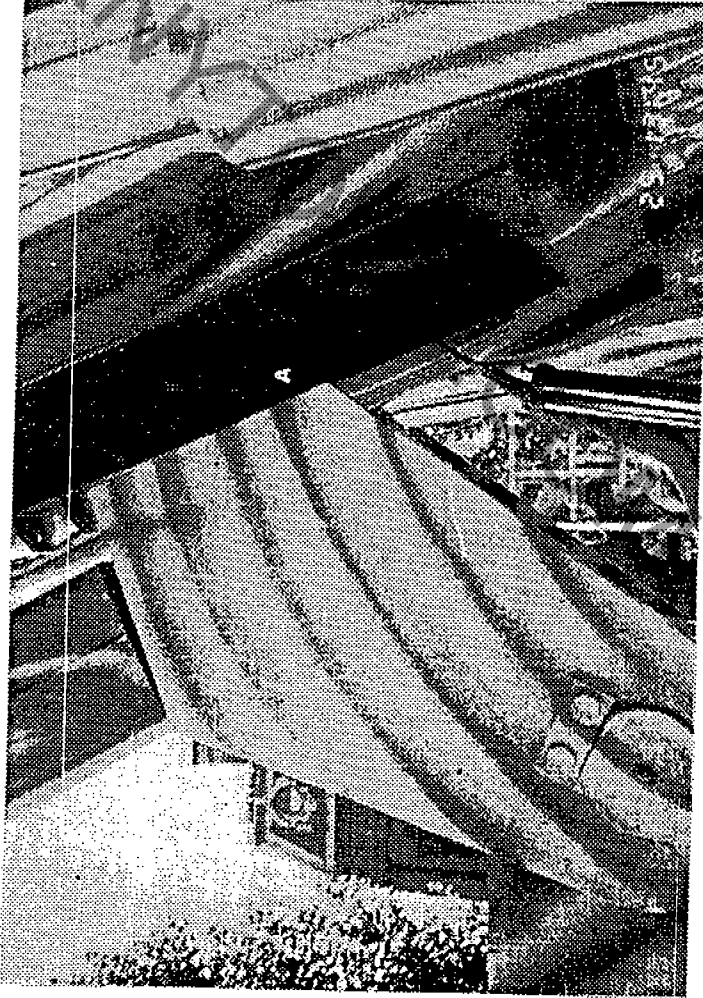
SORIANI E MOSER S.R.L.  
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 43017 MELARA (BO) ITALY tel.(0425)89111-89075

MANUALE MANUTENZIONI  
 CONTROLLI GIORNALIERI

WILD WATER TROPHY  
 DATA 06/10/88  
 DISEGNATORE

CARMA

- 1° INGRASSARE FERNO (A) DELLO SMODO DIELLA DIRITTA
- 1° GRAISSER LA CHEVILLE (A) DE L'ARTICULATION DE LA BIELLE
- 1° OIL THE PIVOT (A) OF THE CONNECTING ROD HIGE



SORIANI E MOSER S.R.L.  
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MANUALE MANUTENZIONI  
PUNTI DI INGRASSAGGIO GIORNALIERI

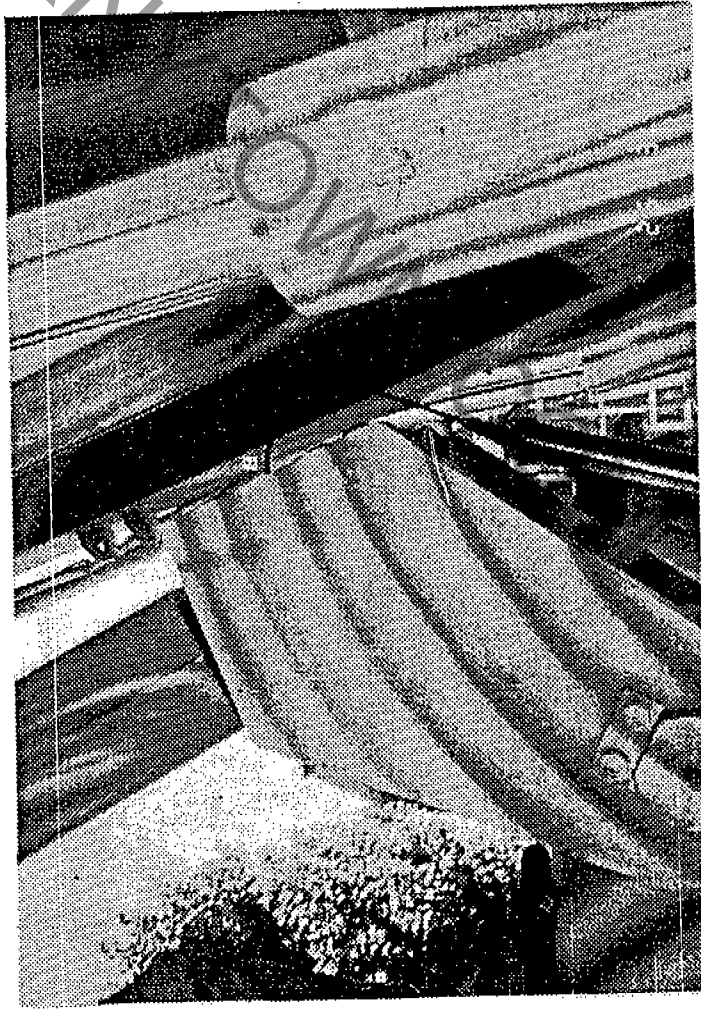
WILD WATER TROPHY

DATA 06/10/88

DISEGNATORE

FOGLIO N° 9

CARMA



- 2° INGRASSARE PERNO (B) DELLO SNODO BIELLA INCLINATA
- 2° OIL THE PIVOT (B) OF THE CONNECTING ROD. HINGE
- 2° GRAISSER LA CHEVILLE (B) DE L'ARTICULATION DE LA BIELLE

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MANUALE MANUTENZIONI  
PUNTI DI INGRASSAGGIO GIORNALIERI

WILD WATER TROPHY

DATA  
06/10/88

DISEGNATORE

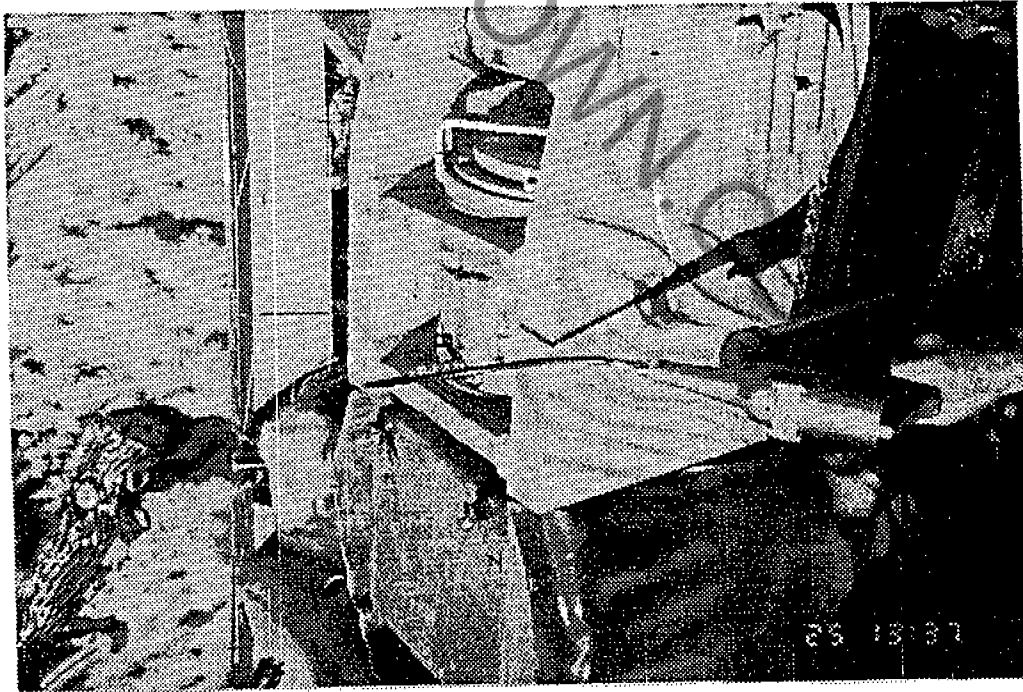
FOGLIO N° 10

CARINIA



- 3° A. INGRASSARE PERNO (A) DELLO SNODO VETTURA  
SU ENTRAMBE LE BIELLE
- 3° A. OIL THE PIVOT (A) OF THE COACH HINGE ON BOTH  
CONNECTING RODS.
- 3° A. GRAISSER LA CHEVILLE (A) DE L'ARTICULATION SUR  
LES DEUX BIELLES.

|  |                      |  |                   |                 |
|--|----------------------|--|-------------------|-----------------|
| SOLIANI E MOSEK S. R. L.<br>MANUFACTURES OF AMUSEMENT RIDES<br>45037 MELARA(RO) ITALY TEL(0425)89111-89075 | MANUALE MANUTENZIONI |  | WILD WATER TROPHY |                 |
|  | CONTROLLI PERIODICI  |  | DATA<br>06/10/88  | FOLLIO N°<br>11 |



- 1.B INGRASSARE PERNO (B) DELLO SNOCCO VETTURA  
SU ENTRAMBE LE BIELLE
- 1.B GRAISSER LA CHEVILLE (B) DE L'ARTICULATION  
SUR LES DEUX BIELLES
- 1.B OIL THE PIVOT (B) OF THE COACH HINGE ON  
BOTH CONNECTING RODS

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 45037 MELARA (RO) ITALY tel(0425)89111-89075

MANUALE MANUTENZIONI  
 PUNTI DI INGRASSAGGIO GIORNALIERI

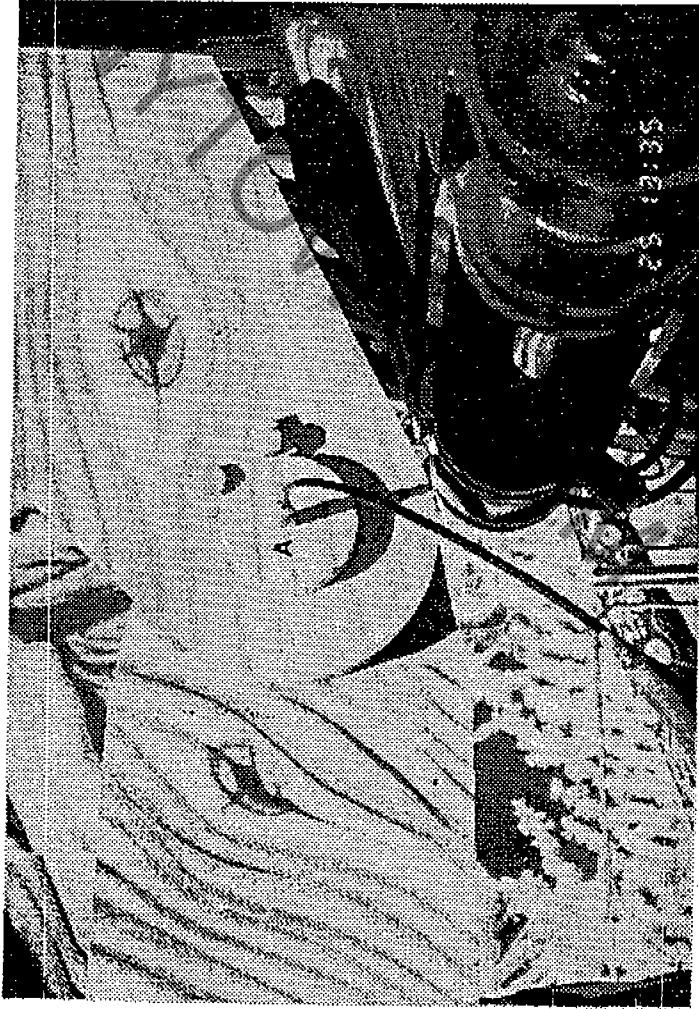
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DISEGNATORE

FOGLIO N° 12

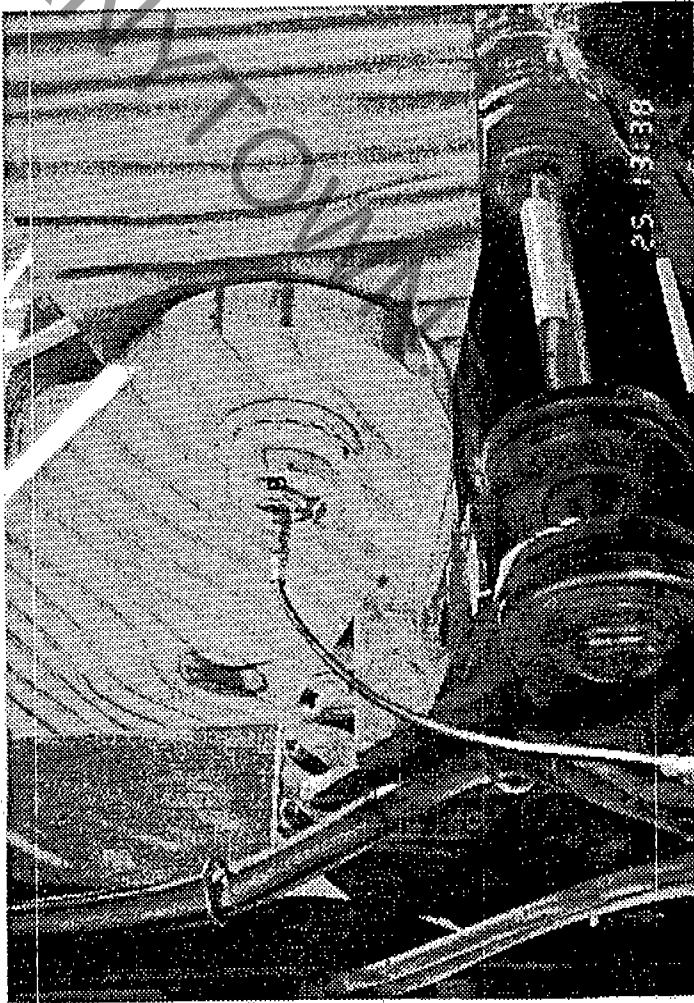
CARTE



- 4° INGRASSARE LA SPINA DI COLLEGAMENTO NEL PUNTO (A)  
TRA GLI SNODI, DI ENTRAHE LE BIELLE (lato destro).
- 4° OIL THE CONNECTING PLUG IN (A) POSITION BETWEEN  
THE HINGES OF BOTH CONNECTING RODS (ON THE RIGHT  
SIDE)
- 4° GRAISSER LA FICHE DE LA LIAISON DANS LE POINT  
(A) ENTRE LES ARTICULATIONS DES DEUX BIELLES  
(COTE DROIT)

|   |                                   |  |                   |           |
|---|-----------------------------------|--|-------------------|-----------|
| SORIAZI & MOSER S.R.L.<br>MANUFACTURES OF AMUSEMENT RIDES<br>45037 MELARA(SO) ITALY tel.(0425)69111-69075 | MANUALE MANUTENZIONI              |  | WILD WATER TROPHY |           |
|   | PUNTI DI INGRASSAGGIO GIORNALIERI |  | DATA              | FOGLIO N° |
|   |                                   |  | 06/10/88          | 13        |

CARTELLI



- 5° INGRASSARE LA SPINA DI COLLEGAMENTO NEL PUNTO (B)  
TRA GLI SMODI, OI ENTRAMBE LE BIELLE (lato sinistro).
- 5° OIL THE CONNECTING PLUG IN (B) POSITION BETWEEN  
THE HINGES OF BOTH CONNECTING RODS (ON THE LEFT  
SIDE)
- 5° GRAISSER LA FICHE DE LA LIAISON DANS LE POINT  
(B) ENTRE LES ARTICULATIONS DES DEUX BIELLES  
(COTE DROITE)

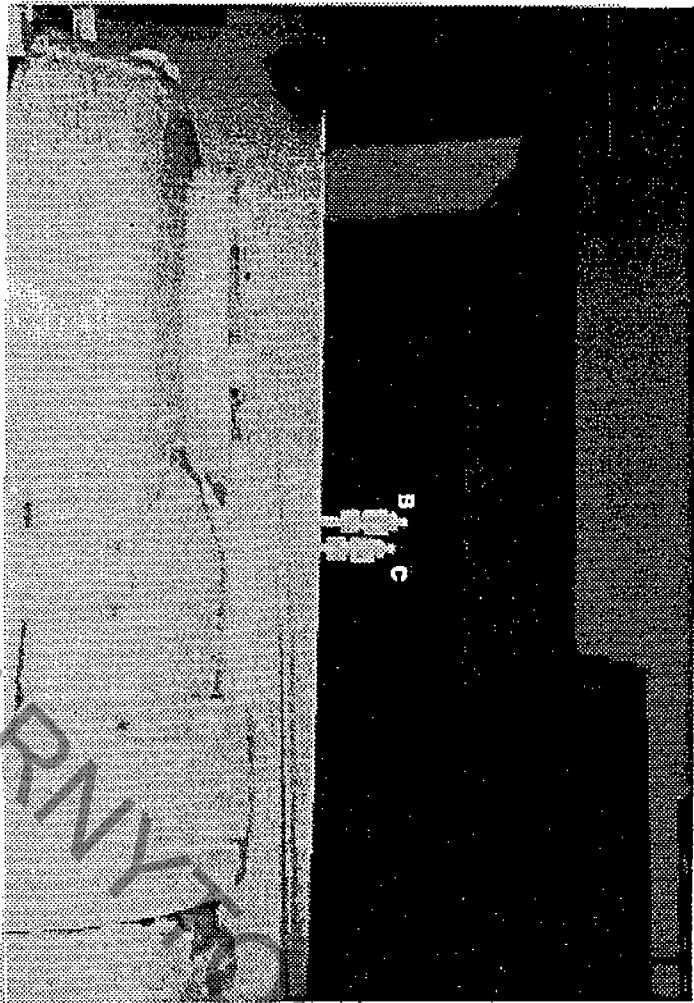
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| SOMIATI E MOSEK S.R.L.<br>MANUFACTURES OF AMUSEMENT RIDES<br>45037 MELARA (RO) ITALY tel(0425)89111-89075 | MANUALE MANUTENZIONI              |                  | WILD WATER TROPHY           |
|   | PUNTI DI INGRASSAGGIO GIORNALIERI | DATA<br>06/10/88 | DISEGNATORE<br>FOGLIO n° 14 |



6° INGRASSARE LA SPINA DELLO SMODO BIELLA INCLINATA  
 6° OIL THE PLUG OF THE RAKING CONNECTING ROD  
 HINGE  
 6° GRAISSER LA FICHE DE L'ARTICULATION DE LA  
 BIELLE INCLINEE.

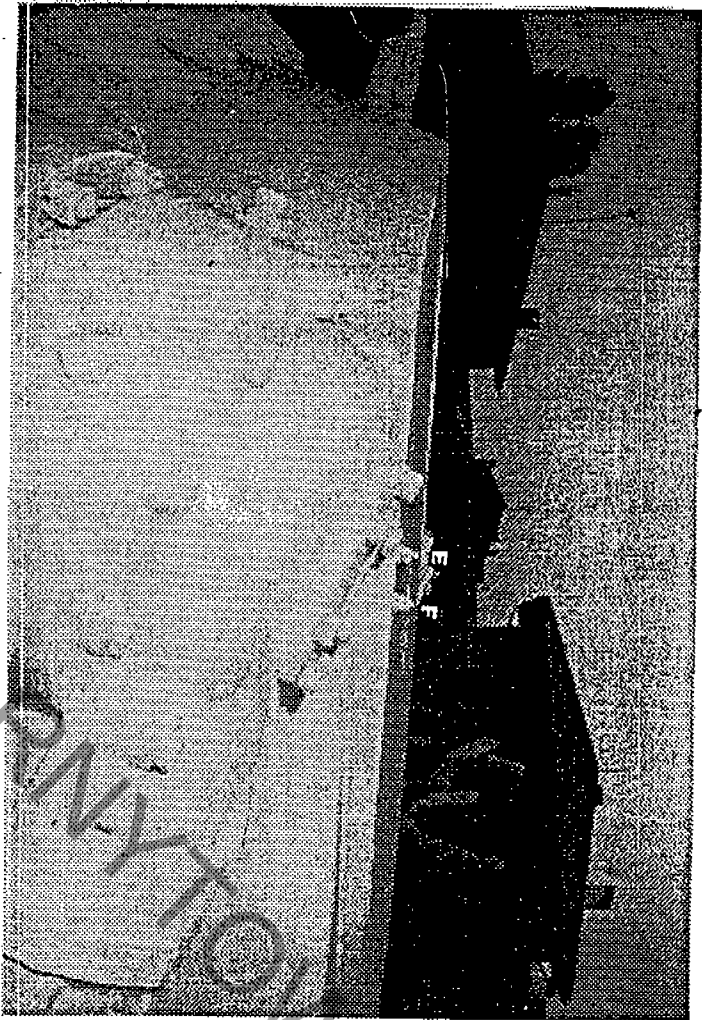
SOCIETA' E MOSEK S.R.L.  
 MANUFACTURES OF AMUSEMENT RIDES  
 45037 MELARA(RO) ITALY tel(0425)89111-89075

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| MANUALE MANUTENZIONI              |  | WILD WALTER TROPHY |              |
| PUNTI DI INGRASSAGGIO GIORNALIERI |  | DATA               | DISSEGNAIORE |
|                                   |  | 06/10/88           | FOGLIO N° 15 |



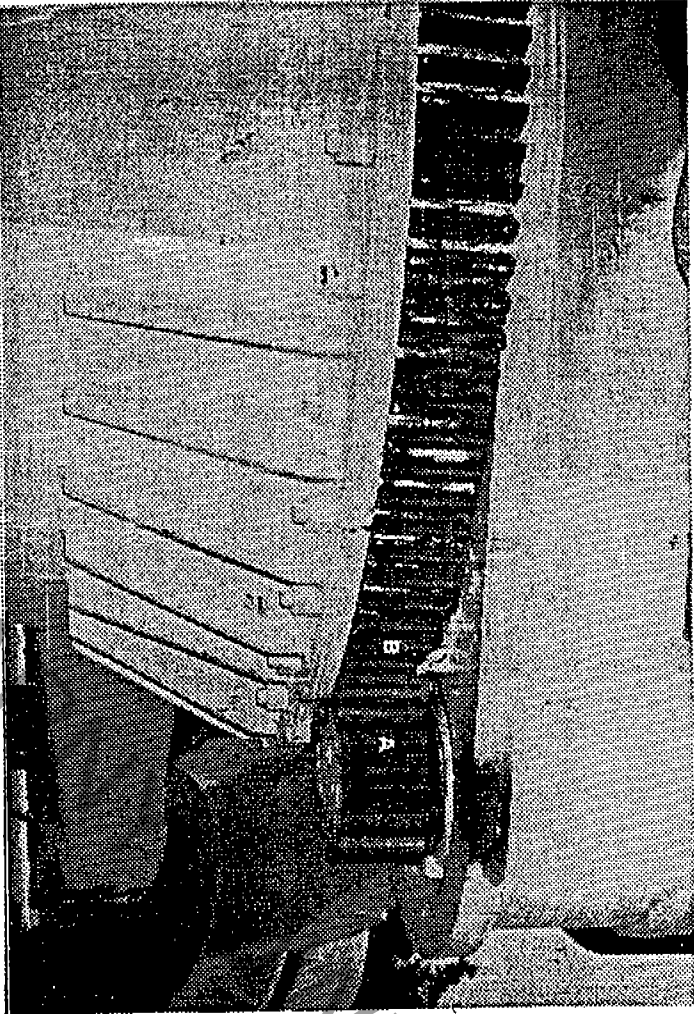
7. INGRASSARE LA RALLA (A) DELLA BIELLA DIRITTA NEI  
 PORTI (B) E (C) OGGI.
7. OIL THE THRUST BEARING OF THE UPRIGHT CONNECTING  
 ROD IN (B) AND (C) POSITIONS
7. GRAISSER LE BISCAU DE LA BIELLE DROITE DANS  
 LES POINTS (B) ET (C)

|  |  |                      |              |                   |  |
|--|--|----------------------|--------------|-------------------|--|
| SORZANI & MOSER S.R.L.<br>MANUFACTURES OF AMUSEMENT RIDES<br>45037 MELARA(RO) ITALY tel(0425)89111-89075 |  | MANUALE MANUTENZIONI |              | WILD WATER TROPHY |  |
| PORTI DI INGRASSAGGIO GIORNALIERI  |  | DATA                 | DISSEGNAIORE | FOGLIO N° 16      |  |
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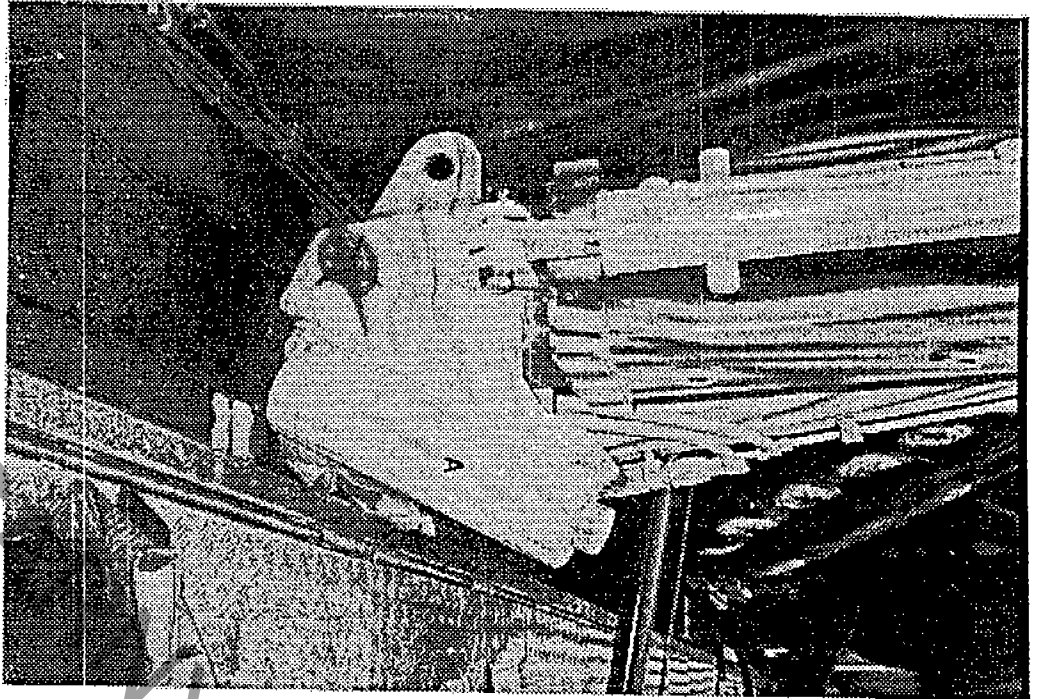
- 8° INGRASSARE LA PALLA (D) DELLA BIELLA INCLINATA NEI PUNTI (E) E (F) *Grasso 606*
- 8° OIL THE THRUST BEARING (D) OF THE PAKING CONNECTING ROD IN (E) AND (F) POSITIONS
- 8° GRAISSER LE BISEAU (B) DE LA BIELLE INCLINEE' DANS LES POINTS (E) ET (F)

|  |  |   |  |                                       |  |             |  |              |  |
|--|--|---|--|---------------------------------------|--|-------------|--|--------------|--|
| SOCIETÀ E MOSEER S.R.L.<br>MANIFATTURE DI AMMORTIZZANTI RIDER<br>45037 MELARA(BO) ITALY tel(0425)99111-89675 |  | MANUALE MANUTENZIONI<br>PONTI DI INGRASSAGGIO GIORNALIERI |  | WILD WATER TROPHY<br>DATA<br>06/10/88 |  | DISEGNATORE |  | FOGLIO N° 17 |  |
|--|--|---|--|---------------------------------------|--|-------------|--|--------------|--|



- 9° SPALMARE GRASSO SUI DENTI DEL PIGNONE (A) E DELLA BALLA (B) DI ENTRAMBE LE BIELLE
- 9° GREASE THE PINION TEETH (A) AND THE TRUST BEARING TEETH (B) OF BOTH CONNECTING RODS
- 9° ZIPLER DU GRAS SUR LES DENTS DU PIGNON (A) ET DU BISEAU (B) DES DEUX BIELLES

|   |  |   |             |                   |
|---|--|---|-------------|-------------------|
| SOCIETÀ E MOSEK S.R.L.<br>MANIFATTURE DI AMOSKERT RIDES<br>45037 MELARA(RO) ITALY tel.(0425)89111-89075 |  | MANUALE MANUTENZIONE<br>PUNTI DI INGRASSAGGIO GIORNALIERI |             | NILD WATER TROPHY |
|   |  | DATA<br>06/10/88  | DISEGNATORE | FOGLIO N° 48      |



10° INGRASSARE APOGGI (A) PER STAPPONT  
 10° OIL THE SUPPORTS FOR BRACKETS (A)  
 10° GRAISSER LES APPUIS (A) POUR LES BRIDES

SORZANI E MOSER S.R.L.  
 MANUFACTURES OF AMUSEMENT RIDES  
 45031 MELARA(RO) ITALY tel.(0425)89111-89075

|                                   |                   |             |           |
|-----------------------------------|-------------------|-------------|-----------|
| MANUALE MANUTENZIONI              | WILD WATER TROPHY |             |           |
| PONTI DI INGRASSAGGIO GIORNALIERI | DATA              | DISEGNATORE | FOGLIO N° |
|                                   | 06/10/88          |             | 19        |

1. CHECK THE OIL-LEVEL OF THE REDUCTION GEAR
2. CHECK THE OIL-LEVEL IN TANK OF THE HYDRAULIC SYSTEM

1. CONTROLER LE NIVEAU DE L'HUILE DES REDUCTEURS
2. CONTROLER LE NIVEAU DE L'HUILE DANS LE RESERVOIR DE L'INSTALLATION HYDRAULIQUE

1. CONTROLLARE LIVELLO OLIO RIDOTTORI
2. CONTROLLARE LIVELLO OLIO NEL SERBATOIO DELL'IMPIANTO IDRAULICO

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|  |  |                                       |                                  |
|--|--|---------------------------------------|----------------------------------|
| SCORIANI E MOSER S.R.L.<br>MANUFACTURES OF AMUSEMENT RIDES<br>45037 MELARA(BO) ITALY tel(0425)891111-89073 |  |                                       |                                  |
| MANUALE MANUTENZIONI:<br>CONTROLLI SETTIMANALI   |  | WILD WATER TROPHY<br>DATA<br>06/10/88 | DISSEGNAZIONE<br>FOGGIO N°<br>20 |

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# INTRODUCTION

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## Computerized Control System

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### General Introduction

---

There are many advantage in the use of a Personal Computer for the control of the "Wild Water Trophy": the most obvious are the simplicity, the quickness, the safety and the flexibility of operation.

- **Simplicity:** the use of few push-buttons allows the automation of the start, turn and re-entry processes.
- **Quickness:** all the times are controlled and rationalized by the Computer which thus avoids all dead and holding times, especially during overcrowding moments.
- **Safety:** the Computer constantly controls the condition of the outer sensor and opportunely operates in case of malfunctions.
- **Flexibility:** by few modification in the Computer it is possible to program a new working logic of the amusement ride.
- **An excellent choice** of the single components and the simplification of the intervention operations guarantee for the dependability of the whole system.

In case of breakdown it is possible to replace both the central unity of the Computer and the Control Console in few minutes by means of the disconnection of few connectors. Considering the simplicity of the system this operation can be carried out even by unskilled personnel.

### Components

---

The complete version of the Control Console includes:

- AT Personal Computer with high accuracy colour Monitor, keyboard, 3"1/2 drive, interface cards and Input/Output cards, management information system.
- Chief Control Console: it is composed of two sections controlling the motors and a third one for the User Computer interfacing.
- Electrical Check: this console is composed of many digital devices (some of them are protected) for the electric control of the attraction.
- Two auxiliary consoles which control the lights, the compressors, the feeding and various driving gears.
- Direct-current motor: it is necessary in order to avoid troubles in case of black-out or micro-interruptions of current.

- Feeder for the brake system supplied with buffer batteries and display of the state of the batteries (placed on the Electrical Check).

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# INSTRUCTIONS FOR USE

## Ignition

>> The numbers between brackets following the names of the indicators or drives refer to the illustration at page 22.

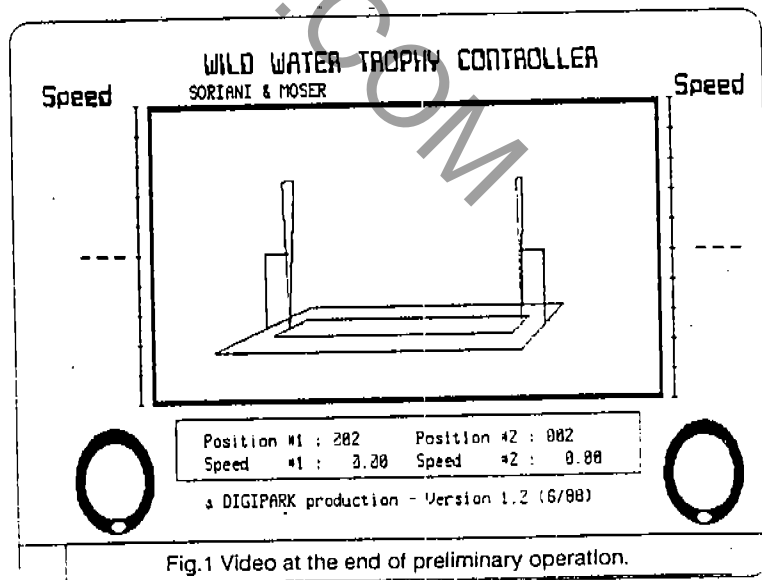
- Make sure of the presence of voltage before starting the ignition process so as to avoid useless overloads on the unit of continuity (consult the pertinent chapter).

First of all check the two Speed levers (11-12) which must be in the central position bearing the word "Stop"; then switch on the unit of continuity (in case of troubles consult the pertinent chapter), wait a few seconds and then turn the key switches Electrical Supply (10-41) in On position.

Regulate the connecting rods maximum speed by positioning the reversers "Gain Speed" (9-40) on one of the possible four positions. *Both the reversers must be regulated in the same way so as to avoid failures when the attraction is working.*

Switch on the luminous pushbuttons Electrical Supply On (12-43); the lighting of the warning lights reveals the success of the operation. A complete clockwise rotation is advisable in order to ascertain the possible obstacles to the movement of the amusement ride.

Switch on the Monitor, ascertain the presence of the floppy disk and switch on the reverser Computer Control (20) thus giving feeding to the Computer.



The pushbuttons which are controlled by the Computer will begin winking after a few seconds. It is thus possible to verify if there is something wrong with the warning lights. The Monitor will advise you to press the only winking pushbutton, i.e. Start/End of Cycle (18). Ascertain there are no obstacles to the movement of the machine and then press the above-mentioned pushbutton (18). The machine will be powered automatically by the Computer in order to verify the correct working of the Encoders and of the other inward circuits.

Simultaneously the monitor will display some notices about the previous controls. After a few turns the monitor will display a schematic drawing of the amusement ride (fig.1) which will be positioned at the starting-point.

After these preliminary operations it is possible to sort one of the three methods of functioning.

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Before powering the machine ascertain all the handles are closed and the warning light Opening Handle (28) is burning. If this function has been excluded (by means of the selector of the auxiliary console) it will be up to the operator to control there are no hazards.

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## Automatic Working

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*The amusement ride is completely controlled by the Computer and the operator's only function is the selection of the program and the start of the machine; all the movements will be performed on the ground of the instructions which are contained in the selected program. The operator is thus freed from any intervention.*

The automatic working is possible only when the machine is at the starting-point (i.e. when the warning lights Neutral (16-17) are burning). If not press the pushbutton Recovery (30) and the machine will be positioned at the point of departure. Before pressing the pushbutton Automatic (25) pay attention the warning light is not burning (the selection of this last pushbutton will be indicated by its warning light).

Select the program among the 8 possible ones (numbered from 0 till 7). The display Program (1-32) indicates the selected program. In order to change the selection (the amusement ride must always be at a stop) press the pushbuttons Program Up (21) and Program Down (22); the number corresponding with the selected program will thus be displayed on the monitor Program.

Ascertain all the handles are closed and press the pushbutton Start (23). The amusement ride will make the evolutions planned by the program and then will be positioned at the point of departure. When both the warning lights Neutral (16-17) light up the program can be considered concluded. There are two ways to conclude the program in advance:

- by pressing the pushbutton Stop: the machine will slacken and stop progressively (the stopping time depends on the speed of rotation).
- by pressing the pushbutton Recovery (30); the machine will be automatically positioned at the starting-point; the conclusion of the operation is indicated by the corresponding warning light.

To allow the passengers going out at the end of each program release the handles by pressing the pushbutton Opening Handle (28); this pushbutton works only when both the warning lights Neutral (16-17) are burning; that is to say at the end of the program or after the Recovery operation.

## Semi-Automatic Working

Since the operator has full liberty it will be up to him to avoid complex movement at the maximum speed. To select this program move the key selector Abilitation to Manual/Semi-Auto on ON position.

*During the semi-automatic working the operator can control the speed and the sense of rotation of both connecting rods by the right Speed lever, and their phase by displacement by the left Speed lever.*

The amusement ride must necessarily be at a stop, no matter where it is positioned. Press the pushbutton Semi-Automatic (27) (warning light burning). After controlling the closing of the handles (warning light Opening Handle burning) move the right Speed lever (42) which controls the speed and the sense of rotation of both connecting rods.

Moving the lever forward the amusement ride will turn in clockwise direction and the speed will be proportional to the shifting of the lever itself; moving the lever in the opposite direction the amusement ride will turn in anti-clockwise direction.

The left Speed Lever (11) controls the phase displacement between the two connecting rods. In the central position the phase displacement is 0, whereas when the lever is shifted the phase displacement will be proportional to the shifting of the lever. If the lever is moved forward the left connecting rod will be in advance.

Pressing the pushbutton Anti-phase (29) the two connecting rods will have opposite senses of rotation; such condition can be annulled pressing the same pushbutton again.

This option can be activated even when the machine is working.

The Speed lever can be moved frequently since a circuit constantly regulates the acceleration and the deceleration of the connecting rods (independently of the speed of the levers). Furthermore, in case of reverse this circuit reduces the speed till the connecting rods stop. Then the rotation starts again in the opposite direction and with constant acceleration.

To conclude the turn press the pushbutton Recovery (30) and after that shift the Speed levers at the stop position (otherwise the amusement ride will begin to turn at the end of the Recovery). The Computer will now position automatically the raft at the point of departure.

The conclusion of this operation will be indicated by the lighting of the warning lights Neutral (16-17). Release the handles by the pushbutton Opening Handle (28).

## Manual Working

Since the operator has full liberty it will be up to him to avoid complex movement at the maximum speed. To select this program move the key selector Abilitation to Manual/Semi-Auto on ON position.

*The connecting rods are independent of each other; the operator controls the speed and the sense of rotation of each connecting rod operating on the corresponding levers.*

When the amusement ride is at a stop, no matter where it is positioned, press the luminous pushbutton Manual; ascertain the handles are closed (Opening Handle warning light burning).

Moving the left Speed lever (11) the left connecting rod is set in action, with speed proportional to the shifting of the lever and clockwise direction if the lever is shifted forward or anti-clockwise rotation if the lever is shifted in the opposite direction.

Follow these instructions too for the right Speed lever (42) and the corresponding connecting rod.

The Speed levers can be moved frequently since a circuit constantly regulate the acceleration and the deceleration of the connecting rods (independently of the speed of the levers). Furthermore in case of reverse this circuit reduce the speed till the connecting rods stop. Then the rotation starts again in the opposite direction and with constant acceleration.

To conclude the turn press the pushbutton Recovery (30) and after that shift the Speed Levers in the Stop position (otherwise the amusement ride will begin to turn at the end of the Recovery).

The Computer will now position automatically the raft at the point of departure. The conclusion of this operation will be indicated by the lighting of the warning lights Neutral (16-17). Release the handles by the pushbutton Opening Handles (28).

## End of the Session

*The following instructions concern the processes for the power-down of the console and of the other parts used in the control of the Wild Water Trophy. The machine must be at the point of departure.*

Press the luminous pushbutton Start/End of Cycle (18) which will start flashing, then press it a second time if you really intend to conclude the session, otherwise press one of the other pushbutton controlled by the Computer (ex. Automatic, Semi-Automatic etc.).

INSTRUCTIONS FOR USE

WILD WATER TROPHY

The Monitor will cancel the whole page thus confirming the conclusion of the session. Switch the Monitor off by the special pushbutton.

Bring the commutator Computer Control (20) in OFF position, switch off the current by pressing the pushbuttons Electrical Supply (10-41) in OFF position; at last switch the direct-current motor off.

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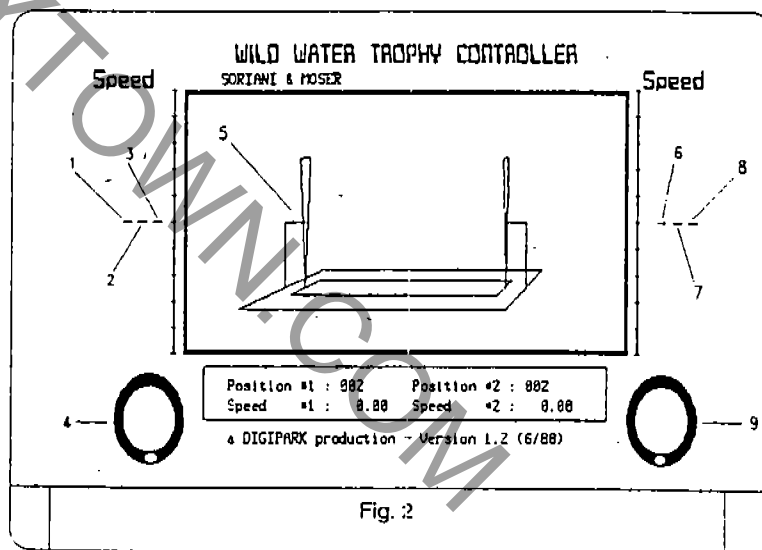
# SPECIAL FUNCTION

## Page Select

Through this pushbutton it is possible to change the page displayed on the monitor of the Computer. A schematic diagram of the amusement ride (5 on fig.2) is normally displayed. It also gives some pieces of information about the state of some variables.

As it is later explained in the following page the three coloured stripes on the video sides stand for:

- 1-8 (bleu) Control voltage
- 2-7 (green) Speed controlled by the console
- 3-8 (red) Ground speed measured on the connecting rods



Moreover, the monitor displays the positions of the connecting rods in real time (4-9); obviously all schematic diagrams are dynamic and thus change according to the position of the amusement ride.

Pressing the pushbutton Page Select the video displays the second page (fig.3) illustrating some variables such as the method of working, the state of the amusement ride, the number and the name of the selected program, the explanation of the coloured stripes.

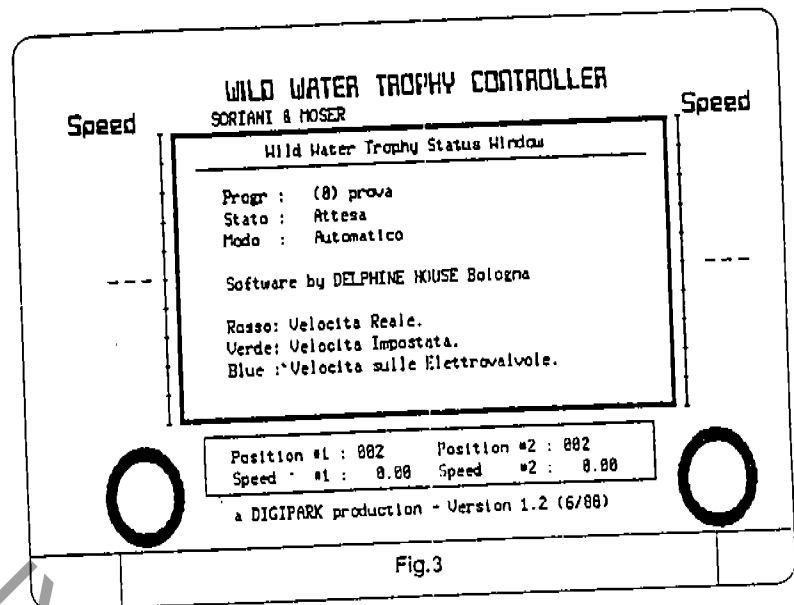


Fig.3

Pressing Page Select again the video displays some important indicators such as those signalling the Encoders out of order and the active state of some functions, ex. the Recovery (fig.4).

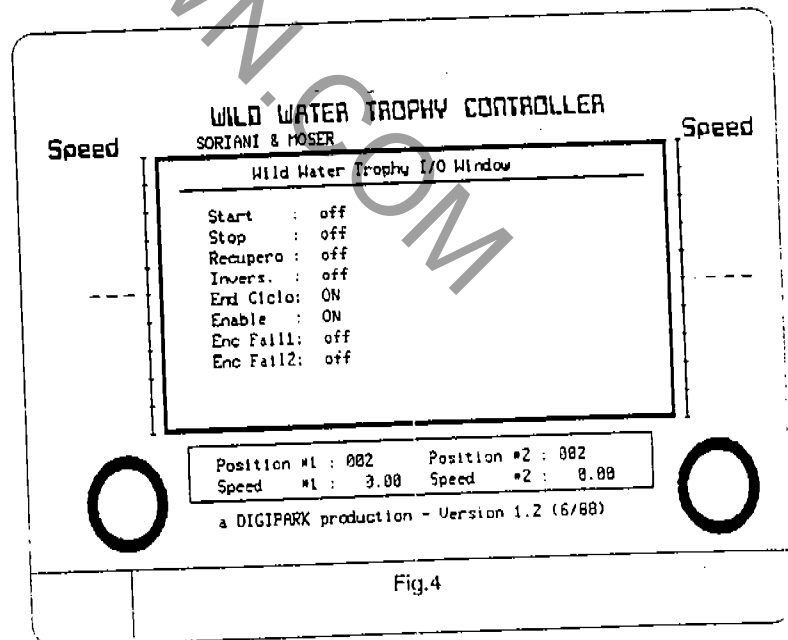
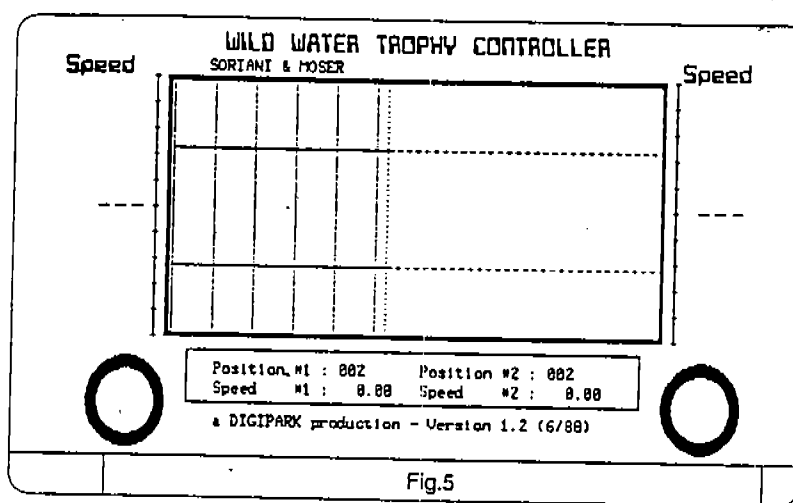


Fig.4



The last scheme (fig.5) displays the diagram of the connecting rods speeds in relation to time. Pressing the pushbutton Page Select again the first page is displayed on the video. All these operations are possible before or during the working of the amusement ride.

## Emergency

In case of black-out or power failure (Computer out of use) shift the commutator Computer Control 820) to OFF position.

In this way the amusement ride will be controlled manually and will gradually stop if the Speed Lever are in a central position, otherwise it will turn according to the selected speed (without sudden speed change).

In case of impending danger press the pushbutton Emergency (19): the braking-distance will be very short and the amusement ride will remain stopped in that position.

## Seconds Counter

A chronometer (min-sec) is displayed in the lowest part of the video; the duration of each turn will be thus made known to the operator. The working is completely automatic.

### Working

By pressing the pushbutton Start (Automatic working) or by shifting one of the two Speed Lever from the central position (Semi-Automatic or Manual working) you reset the chronometer and make it start.

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