



## Safety Notice

## SN636

DATE: *DRAFT*

REVISED:

TO: Owners, Users, Dealers, and Installers

Models Affected: C5000, C6000, GENERAL 80, RMX, TM

SUBJECT: *Re-plumbing air suspension dump circuit*

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### Issue:

Terex Utilities has determined that the air suspension circuit can inadvertently inflate the air bags by turning off the Master/PTO switch which can lead to the outriggers lifting off the ground potentially causing instability. These units were manufactured from August 4, 2015 through February 16, 2016. **Outriggers lifting off the ground can cause unexpected motion of the boom and possible falling of the platform.**

### Action:

#### What the owner must do:

Inform all operators not to turn off the ignition key or master power while the boom is elevated. Only use the remote stop/start at the platform, pedestal, or near outrigger controls if equip.

You may continue to use the unit provided outriggers are set firmly to raise chassis frame to ride height. Contact your local Terex dealer or TEREX Utilities at 1-800-982-8975 or email machine information to [utilities.warranty@terex.com](mailto:utilities.warranty@terex.com) to schedule an appointment for air suspension repair.

Perform Daily and Periodic Inspections as required in the manuals.

#### What Terex will do:

Terex will supply instructions and a field service kit to re-configure the air suspension circuit.

**Dealers and Installers:** A letter is being sent to owners of affected units. If an owner contacts you about this bulletin contact TEREX Utilities, at 1-800-982-8975 for further instructions. You will be sent a form to complete for reimbursement. Expected repair time to be 1 hour.

**Important:** Some of the involved units may be in rental fleets. You are required to complete the recall service on these units before renting, or to inform the renters within 10 days of receipt of this bulletin.

**Note to Owners:** If the manufacturer or their dealer has failed or is unable to remedy the defect/noncompliance condition without charge or within a reasonable amount of time you can notify:

Administrator  
National Highway Traffic Safety Administration  
1200 New Jersey Avenue, SE, West Building,  
Washington, DC 20590

Or call the toll-free DOT auto Safety Hotline at 1-888-327-4236

Terex South Dakota, Inc.  
500 Oakwood Road  
Watertown, SD 57201 USA  
(605) 882-4000 • Fax (605) 882-1842

# Safety Notification SN-636

## Completion Form (Replumbing Air Suspension Dump Circuit)

Please print so it is legible

### UNIT INFORMATION

**CHECK if new owner:** requires address info to be completed below

Owner Truck # \_\_\_\_\_

\*Owner Name: \_\_\_\_\_

Email contact: \_\_\_\_\_

Owner Phone #: \_\_\_\_\_

\*Address req'd if new owner: \_\_\_\_\_

\* Truck VIN # \_\_\_\_\_

\*Unit Serial Number: \_\_\_\_\_

### SERVICE PERFORMED BY

\* Date of Repair: \_\_\_\_\_

\* Service Technician (ST) completing work: \_\_\_\_\_

\* ST Company Name: \_\_\_\_\_ ST Location: \_\_\_\_\_

ST Contact Number: \_\_\_\_\_

#### \* CHECK TO VERIFY COMPLETION

Repair completed by Service Technician using Terex Z1395 Kit and instructional drawing 614704.

\* Work Order: \_\_\_\_\_

Comments (required if the repair exceeds the TBD hour allotment): \_\_\_\_\_

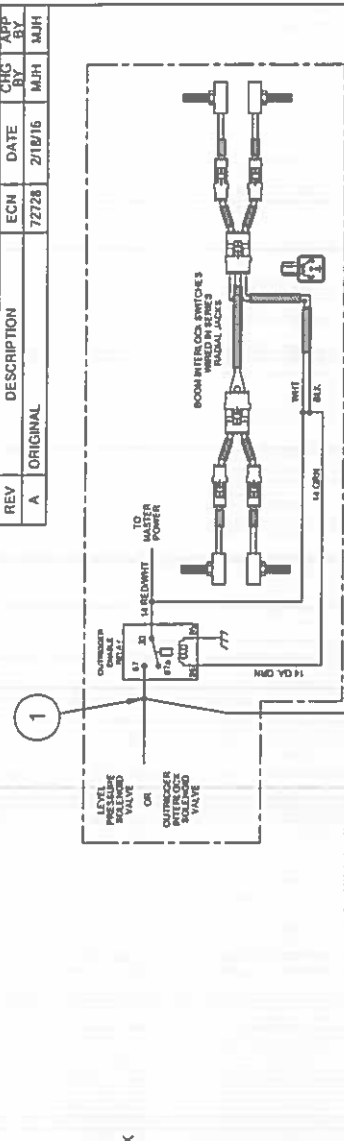
\* REQUIRED

(Form Must Be Completed For Warranty Reimbursement)

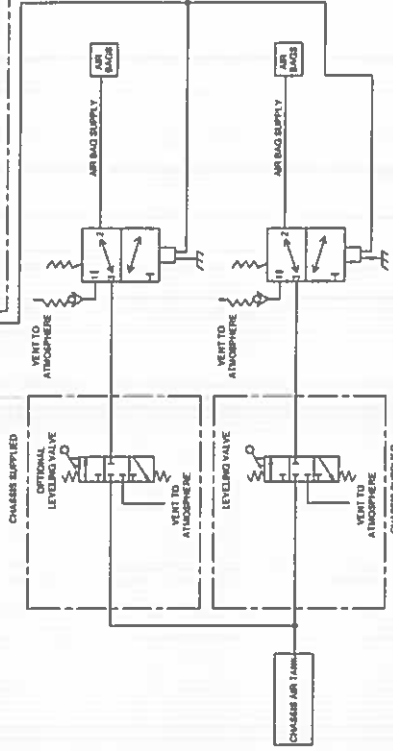
FAX THIS COMPLETED FORM TO TEREX UTILITIES WARRANTY DEPT.  
AT 605-882-5579 or SEND IMAGE TO [utilities.warranty@terex.com](mailto:utilities.warranty@terex.com)

REV	DESCRIPTION	ECN	DATE	CHG BY	APP BY
A	ORIGINAL	72728	2/18/16	MJH	MJH

REVISIONS



WIRE MAC VALVE 93350 TO BE POWERED UP OFF OF OUTRIGGER INTERLOCK RELAY



**TEST:**

- 1) PARK THE TRUCK ON A LEVEL SURFACE.
- 2) START THE ENGINE, TURN PTO ON, AND RETRACT ALL OUTRIGGERS TO STORED POSITION.
- 3) TURN THE PTO OFF WITH THE ENGINE RUNNING TO ALLOW THE AIR BAGS TO FULLY INFLATE.
- 4) TURN THE PTO ON
- 5) SET ALL THE OUTRIGGERS AND LEVEL THE UNIT USING THE BULLSEYE LEVEL INDICATORS.
- 6) TURN OFF THE PTO AND SHUT OFF THE ENGINE WITH THE IGNITION KEY.
- 7) LEAVE THE CHASSIS AND UNIT SET FOR 5 MINUTES.
- 8) VERIFY NONE OF THE OUTRIGGER FEET HAVE LIFTED OFF THE GROUND. CHECK ELECTRICAL WIRING AND PNEUMATIC PLUMBING.
- 9) IF ANY OF THE OUTRIGGER FEET HAVE LIFTED OFF THE GROUND, STORE THE OUTRIGGERS AND RETURN THE UNIT BACK TO SERVICE.

Outrigger Enable Relay



Junction Box



Mac Valve



Mac Valves

**NOTES:**

- 1) DETERMINE THE VALVE LOCATION AND THE QUANTITY OF MAC VALVES YOU HAVE.
- 2) LOCATE AND DETERMINE WHICH POWER WIRE COMES FROM THE JUNCTION BOX AND GOES TO THE MAC VALVE.
- 3) REMOVE WIRE FROM POST IN THE JUNCTION BOX.
- 4) LOCATE "OUTRIGGER ENABLE RELAY".
- 5) LOCATE WIRE ON POST 87 OF THE "OUTRIGGER ENABLE RELAY".
- 6) CUT OFF TERMINALS ON EACH WIRE.
- 7) CONNECT BOTH WIRES WITH SUPPLIED TERMINAL (ITEM 1) AND CONNECT TO POST 87 OF THE "OUTRIGGER ENABLE RELAY".
- 8) TEST

ITEM	PART NO	PART NAME	REF	QTY
1	421690	250" PUSH ON TERMINAL		



PART NAME	INSTRUCTION DIAG	614704	A
PRODUCT TYPE	CLASS 1 M660	CLASS	
MATERIAL	STEEL	STOCK SIZE	
DRAWN BY	MJB	DATE	2/18/16
SCALE	1:1	FORM	MA8

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# SLIP-ON CONNECTOR

## Ⓐ SPECIFICATIONS:

- 1. .250" FEMALE CONNECTOR
- 2. 12-10 AWG
- 3. CRIMP, HEAT SHRINK, & SOLDER
- 4. YELLOW

## Ⓐ SUGGESTED SUPPLIER(S):

- 1) FASTENAL
- P/N - 10578-05262

### NOTES:

#### BARE PART

- 1. MATERIAL: BRASS
- 2. FINISH: ELECTRO-TIN PLATE

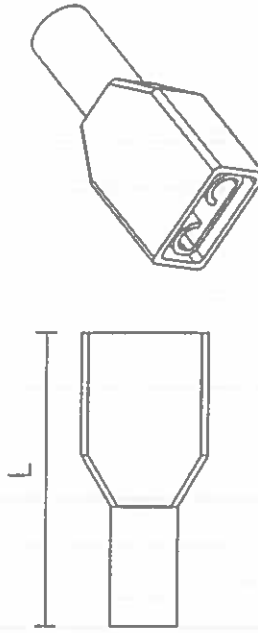
#### SOLDER

- 1. 50SN/32PB/18CU
- 2. 2 - 3% RMA FLUX COATING
- 3. 295° F (145° C) MELTING TEMPERATURE

#### TUBING

- 1. MULTIPLE WALL POLYOLEFIN
- 2. MELTABLE, INTEGRAL INNER WALL
- 3. 275° F (135° C) SHRINK TEMPERATURE
- 4. -67° F (-55° C) TO 230° F (110° C) CONTINUOUS OPERATING TEMP.
- 5. TENSILE STRENGTH: 2200 PSI
- 6. ULTIMATE ELONGATION: 400%
- 7. SECANT MODULUS, 2%: 27,000 PSI
- 8. SPECIFIC GRAVITY: 1.0
- 9. LONGITUDINAL CHANGE: +1, -10%
- 10. DIALECTIC STRENGTH: 900 V/MIL
- 11. VOLUME RESISTIVITY: 1015 OHM-CM
- 12. NON-CORROSIVE
- 13. WATER ABSORPTION: 0.1%

SYM	DESCRIPTION	ECN	DATE	BY
A	NEW VENDOR, UPDATED DESCRIPTION	56189	1/16/10	ERS



VEDDR PART #	AWG	TAB SIZE	TUBING COLOR	TUBING ID	BARREL SEAM	MIN	L	MAX
710576	18-20	.250	RED	.255	BUTTED	1.327	1.659	1.659
710578	14-16	.250	BLUE	.355	BUTTED	1.327	1.659	1.659
10578-05262	10-12	.350	YELLOW	.320	BUTTED	1.327	1.659	1.659

THIS DRAWING, WHETHER DESCRIPTION OR SPECIFICATION REPRESENTS THE DESIGN WHICH WILL BE RELEASED, DISCLOSED, USED OR REPRODUCED WITHOUT THE WRITTEN PERMISSION OF TEREX TELELECT, INC.

SIMILAR TO: N/A

KEEP UNDER MATERIAL TOPS; MINIMUM YIELD UNLESS OTHERWISE NOTED.

DO NOT SCALE FOR DRAWING WORK  
RELEASED TO MFG ENGR'G  
FOR STANDARD PRODUCTION

E.C.N. 28843

DATE 11-25-91 INIT\_DGR

TOLERANCE UNLESS OTHERWISE SPECIFIED  
OTHERWISE SPECIFIED: .XX .XXX .010  
ANGLES: ° ±' .060  
DIMENSIONS: .060

TEREX TELELECT

421680A

PART NAME .250" PUSH ON TERMINAL (FEMALE)

PRODUCT

MATERIAL

ASSY

SCALE

DATE 11-25-91

DRAWN BY DKG

FORM# 3469A

SIZE, B