

SERVICE BULLETIN

RIDE: Ranger (aka Kamikaze, Hi-Flyer, Phoenix)

DATE: April 12, 1994

SUBJECT: VEHICLE, COLUMN, TOWER BOLTS

BULLETIN #: FR034-1

FarFabbri, s.r.l. has determined that it is necessary to conduct an annual test on these bolts. Some have been found to have cracks near the head of the bolt, mainly due to improper tightening techniques. You are now required to test these bolts by X-ray, ultrasound, or magnetic particle testing and replace any that show signs of cracks or fatigue.

A copy of the test certificate must be mailed to our office before June 1st of each year. This certificate will also become part of any inspection that may be performed on your ride by any Local, State, or Federal inspection agency. This bulletin is being sent to all inspection agencies on our mailing list.

Replacement bolts can be purchased from local suppliers or from Amusement Sales, Inc. If you have any questions, contact Amusement Sales, Inc. at 405 Dodson Lake Dr., Arlington, Texas, 76012 or by phone at 817-275-9393 or by fax at 817-860-7373.

CHART OF BOLT SIZES AND TYPES

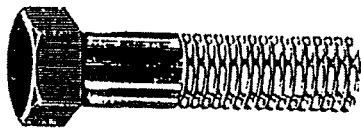
USE	SIZE(METRIC)	PRE 1991	LATER
VEHICLE	39 X 180 MM	Hex Head	Socket Head
TOWER	39 X 200 MM	Hex Head	Socket Head
COUNTERWEIGHT	39 X 200 MM	Hex Head	Socket Head

* All bolts must be Grade 8.8. Thread pitch is 4mm.

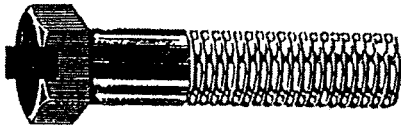


DRAWING WORKSHEET

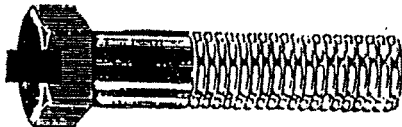
TOWER AND CAR BOLTS PRE 1991



39mm x 170mm

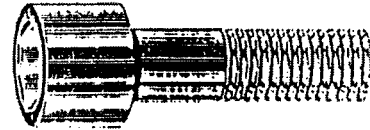


39mm x 200mm



39mm x 200mm

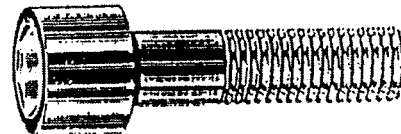
TOWER AND CAR BOLTS



39mm x 170/180mm



39mm x 200mm



39mm x 200mm

A handwritten signature or scribble in the bottom right corner of the page.

Farfabbri s.r.l. has prepared this document in an effort to standardize the information required on bulletin FR034 -1 (attached). Please complete the following questions and return it to our factory (representatives) by the required due date.

Method of NDT. Circle Each: 1. Magnetic Particle 2. X-ray 3. Ultrasound

Description of test equipment used. (For each NDT method)

Date of last calibration of each testing instrument. _____

Date of Inspection: ____ / ____ / 20 ____.

Bolt information:

For PRE 1991 ride models

- | | |
|----------------------------|-------------------------------|
| 12 - 39mm X 200mm Hex Head | Tower bolts with tabs |
| 4 - 39mm X 200mm Hex Head | Counterweight bolts with tabs |
| 8 - 39mm X 170mm Hex Head | Car bolts without tabs |

For 1991 and later models

- | | |
|---------------------------------|--------------------------------|
| 12 - 39mm X 200mm Allen Head | Tower bolts |
| 4 - 39mm X 200mm Allen Head | Counterweight bolts, short arm |
| 8 - 39mm X 200mm Allen Head | Counterweight bolts, long arm |
| 8 - 39mm X 170/180mm Allen Head | Car bolts |

The periodical check for screws with diameter 39 mm. is accepted and performed by magnetic Particle 2. X-ray 3. Ultrasound

Description and location for each indication found if any (use additional pages and drawings if necessary).



Ride Name: _____ Serial Number: _____ Year Model: _____

NDT Technician Name (printed): _____
Please attach copy of NDT level certification.

NDT Technician Signature: _____

PLEASE ATTACH ANY DOCUMENTS USED BY YOU OR YOUR TESTING COMPANY REGARDING THIS TEST AND/OR ITS RESULTS.

A handwritten signature in black ink, consisting of several loops and a long horizontal stroke extending to the right.