

# DIMENSIONS

## Fig. 1: Complete Underbody Frame (Print for Best Results)

1993 Toyota 4Runner

For

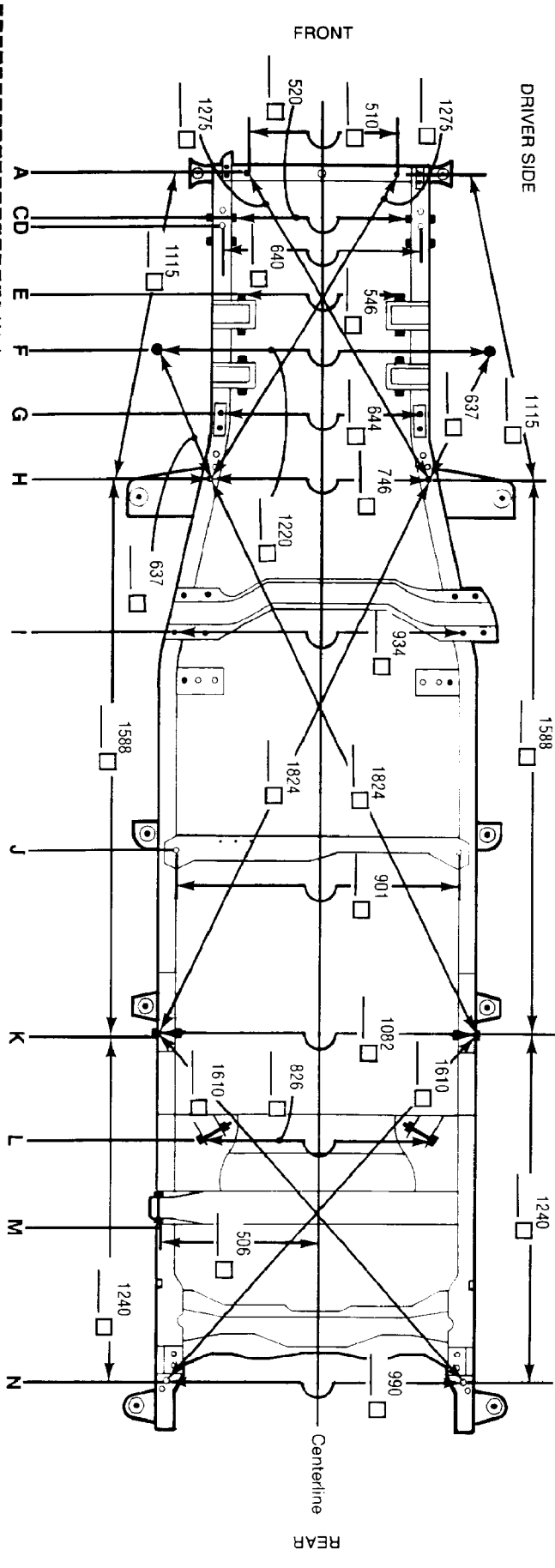
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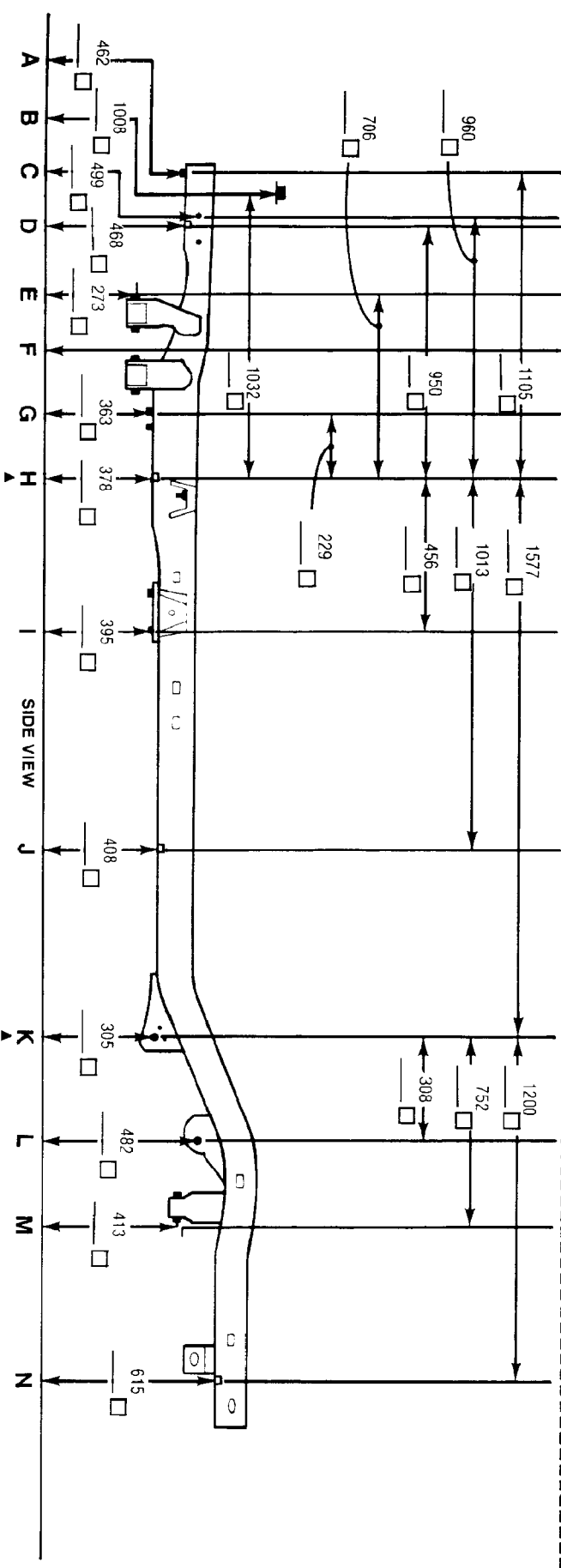
PLEASE SEE "MEASURING EXPLANATION" AT FRONT OF MANUAL

### 2625 mm (103 5/16") WHEELBASE

BOTTOM VIEW



Dimensions from Centerline are Combined When Equal  
Divide by 2 for Individual Dimensions from Centerline  
All Bolt and Holes are Measured to Center  
Unless Otherwise Described in "Measuring Point Designations"



### MEASURING POINT DESIGNATIONS

- A - Head of Bolt - Crossmember
- B - Head of Bolt - Front Fender
- C - Tip of Threaded Bolt - Steering Gear Mount
- D - Center of 14 mm (5/16") Round Hole
- E - Tip of Threaded Bolt - Control Arm Mount
- F - Center of Lower Ball Joint - (Suspension Loaded)
- G - Head of Bolt - Sway Bar Mount
- H - Center of 14 mm (5/16") Round Hole
- I - Head of Bolt - Transmission Crossmember
- J - Center of 11 mm (7/16") Round Hole
- K - Head of Bolt - Trailing Arm Pivot
- L - Head of Bolt - Tracking Arm Mount
- M - P.S. Tip of Threaded Bolt - Panhard Rod Mount
- N - Center of 14 mm (5/16") Round Hole

- D.S. - DRIVER SIDE
- P.S. - PASSENGER SIDE

- - BOLTS
- - HOLES
- ▲ - DATUM LINE CONTROL POINT

### TIGHTENING SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Front Suspension	
Axle Hub Bearing Lock Nut	35 (47)
Calliper-to-Knuckle Bolts	90 (123)
Lower Ball Joint-to-Lower Control Arm Nut	105 (142)
Lower Control Arm Pivot Bushing Nuts	145 (196)
Stabilizer Bar-to-Lower Control Arm Nut	19 (25)
Torsion Bar Torque Arm-to-Upper Control Arm Nuts	64 (87)
Upper Ball Joint-to-Knuckle Nut	105 (142)
Upper Control Arm Pivot Shaft-to-Frame Bolts	131 (178)
Upper Control Arm Pivot Shaft-to-Control Arm Nuts	166 (226)
Rear Suspension	
Lateral Control Rod Nut	
Left Side	83 (113)
Right Side	101 (137)
Lower Control Arm Front Pivot Bolt	148 (201)
Lower Control Arm Rear Pivot Nut	148 (201)
Stabilizer Link-to-Mount Bracket Nut	13 (17)
Stabilizer Link-to-Stabilizer Bar Nut	70 (95)
Upper Control Arm Front Pivot Bolt	148 (201)
Upper Control Arm Rear Pivot Nut	148 (201)

**DIMENSIONS**

**Fig. 2: Complete Upperbody (Print for Best Results) (p. 2)**

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