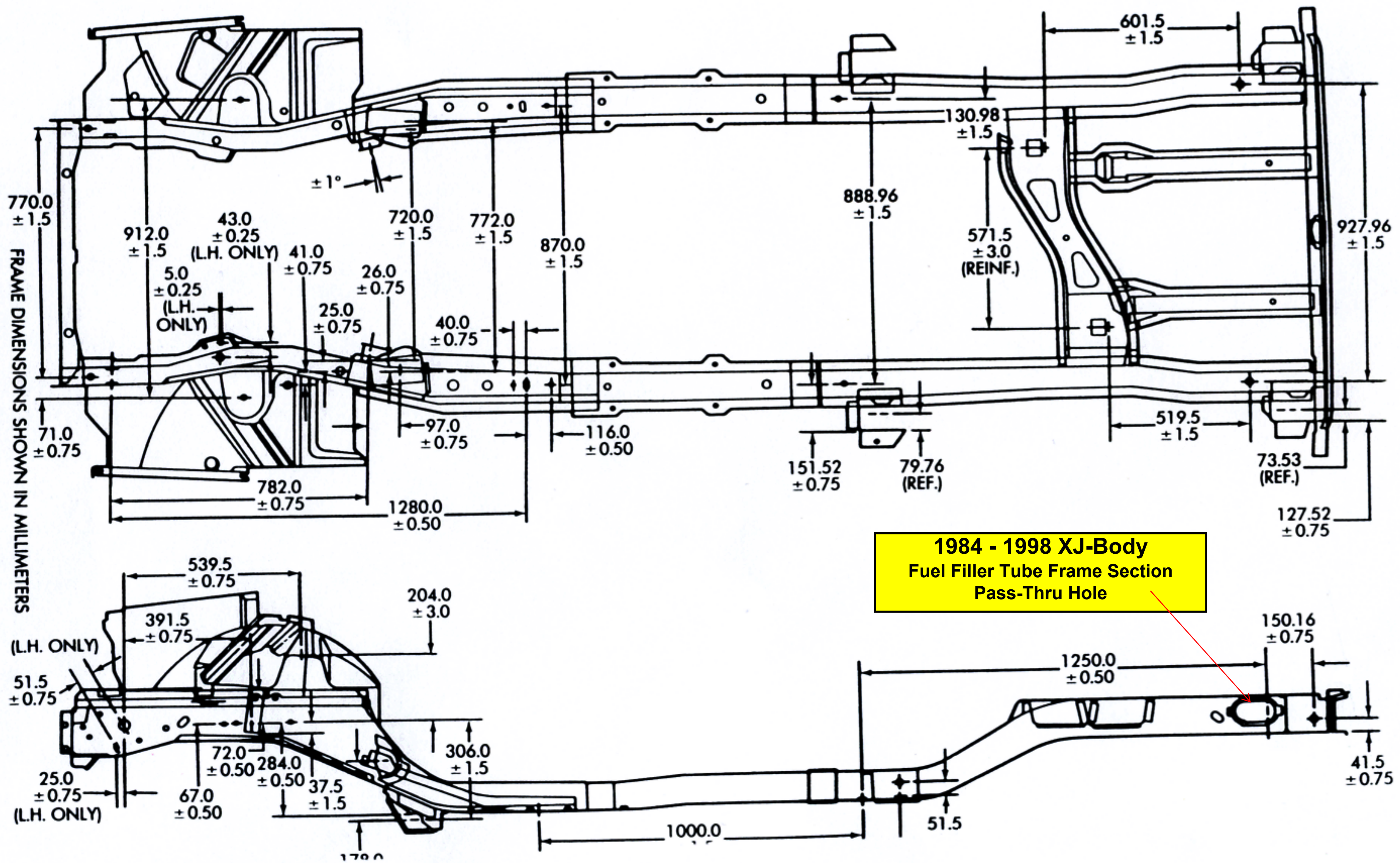


Fig. 2 Frame Alignment Reference Dimensions—XJ Vehicles



1984 - 1998 XJ-Body
Fuel Filler Tube Frame Section
Pass-Thru Hole

1996 JEEP GRAND CHEROKEE 2WD/4WD

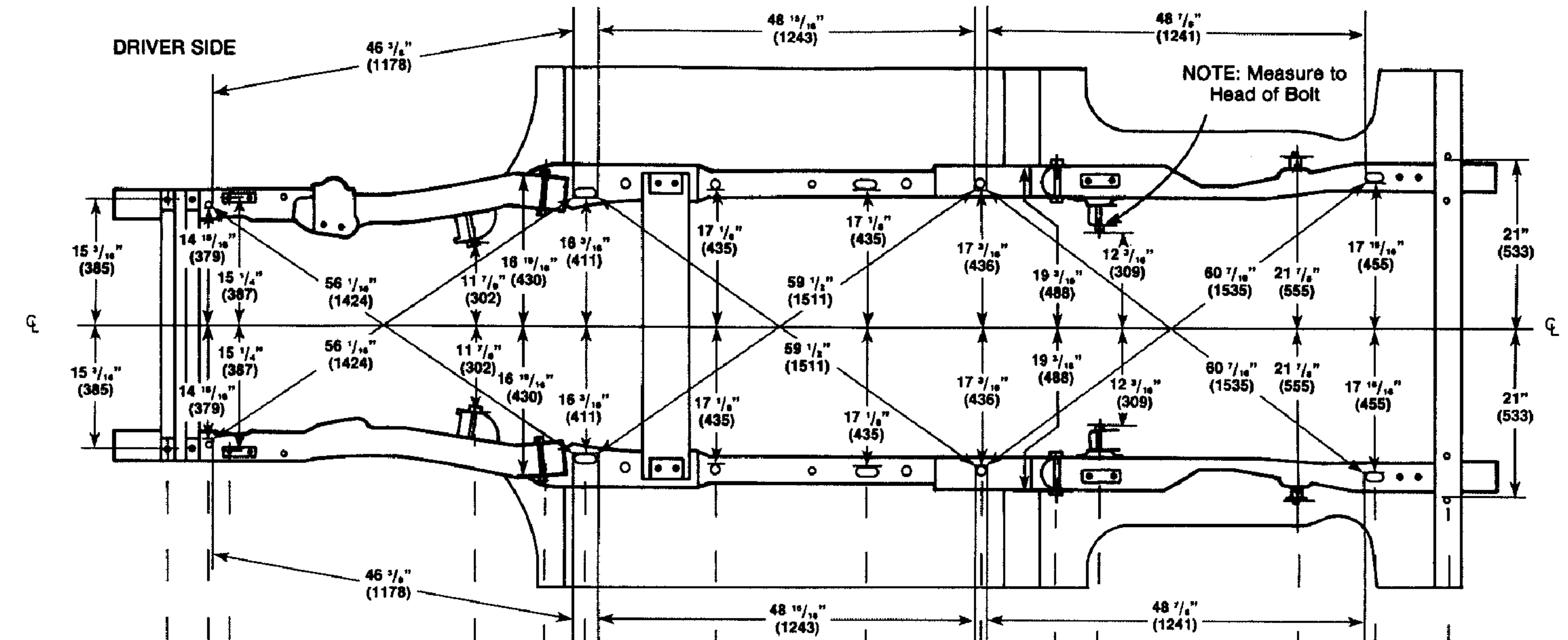
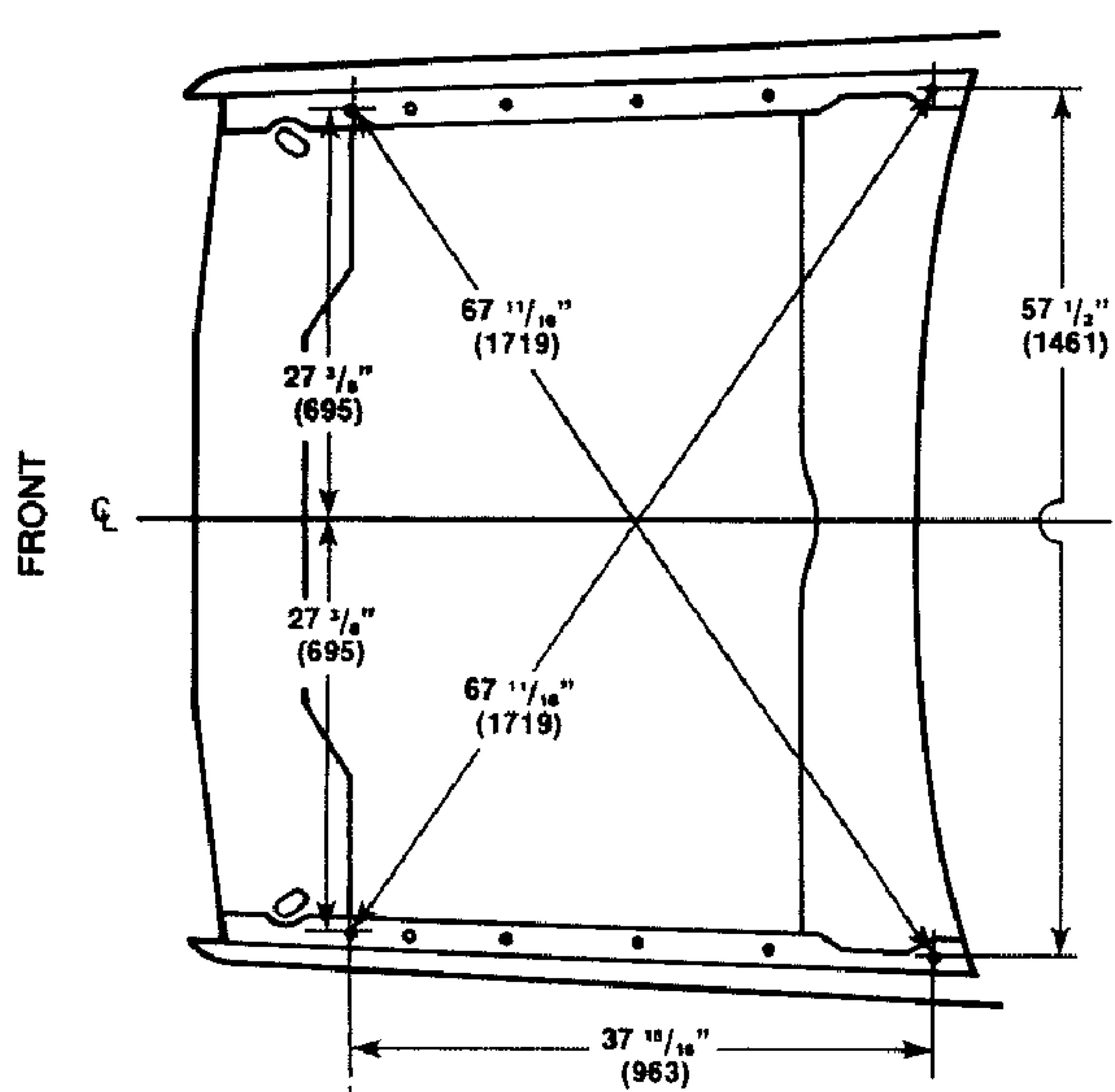
105 15/16" (2691mm) WHEELBASE

UNDERHOOD VIEW

UNDERHOOD VIEW POINT-TO-POINT DIMENSIONS ARE TAKEN WITH TRAM BAR POINTERS SET AT EQUAL LENGTHS. Bolts and Studs are Measured to Center. Holes are Measured to Closest Edge.

BOTTOM VIEW

BOTTOM VIEW POINT-TO-POINT DIMENSIONS ARE TAKEN WITH TRAM BAR POINTERS SET AT EQUAL LENGTHS. Bolts and Studs are Measured to Center. Holes are Measured to Closest Edge.



See "C" for Datum Height and Length

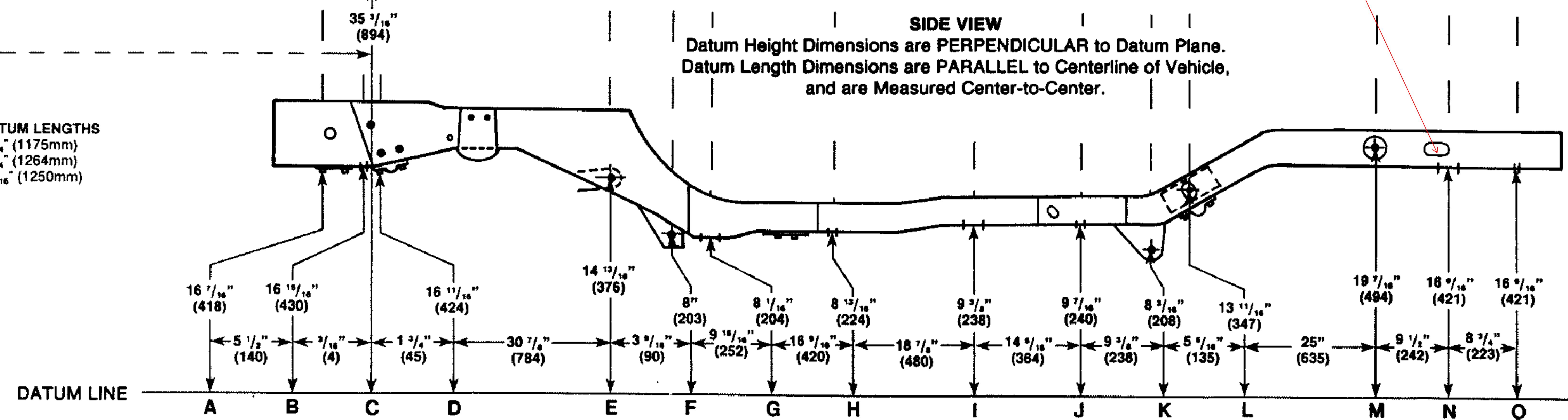
1993-1998 ZJ-Body:
Fuel Filler Tube
Frame Section
Pass-Thru Hole

MEASURING POINTS

- A = Bolt
- B = 3/16" (14) - Threaded Hole
- C = Front Fender Bolt
- D = Bolt
- E = Bolt
- F = Bolt
- G = 3/8" x 1" (19 x 25)
- H = 3/4" (19)
- I = 3/8" x 1" (19 x 25)
- J = 3/4" (19)
- K = Bolt
- L = Bolt
- M = Bolt
- N = 3/4" x 1" (19 x 25)
- O = 1/2" (13)

OVERALL DATUM LENGTHS
B to G = 46 1/4" (1175mm)
G to J = 49 3/4" (1264mm)
J to N = 49 3/16" (1250mm)

Top of Front Fender Bolt on Core Support



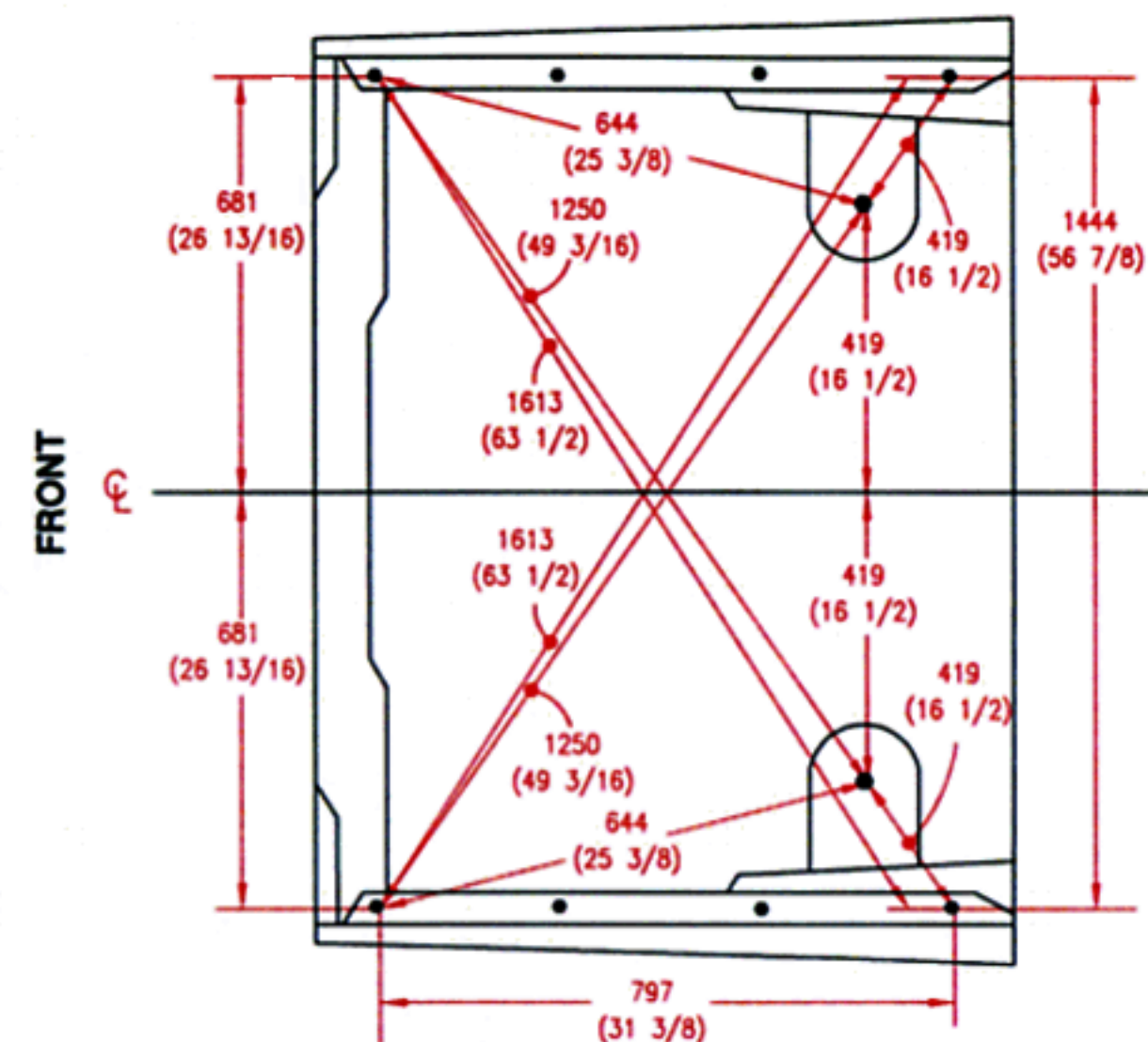
SIDE VIEW
Datum Height Dimensions are PERPENDICULAR to Datum Plane.
Datum Length Dimensions are PARALLEL to Centerline of Vehicle, and are Measured Center-to-Center.

DATUM LINE

A B C D E F G H I J K L M N O

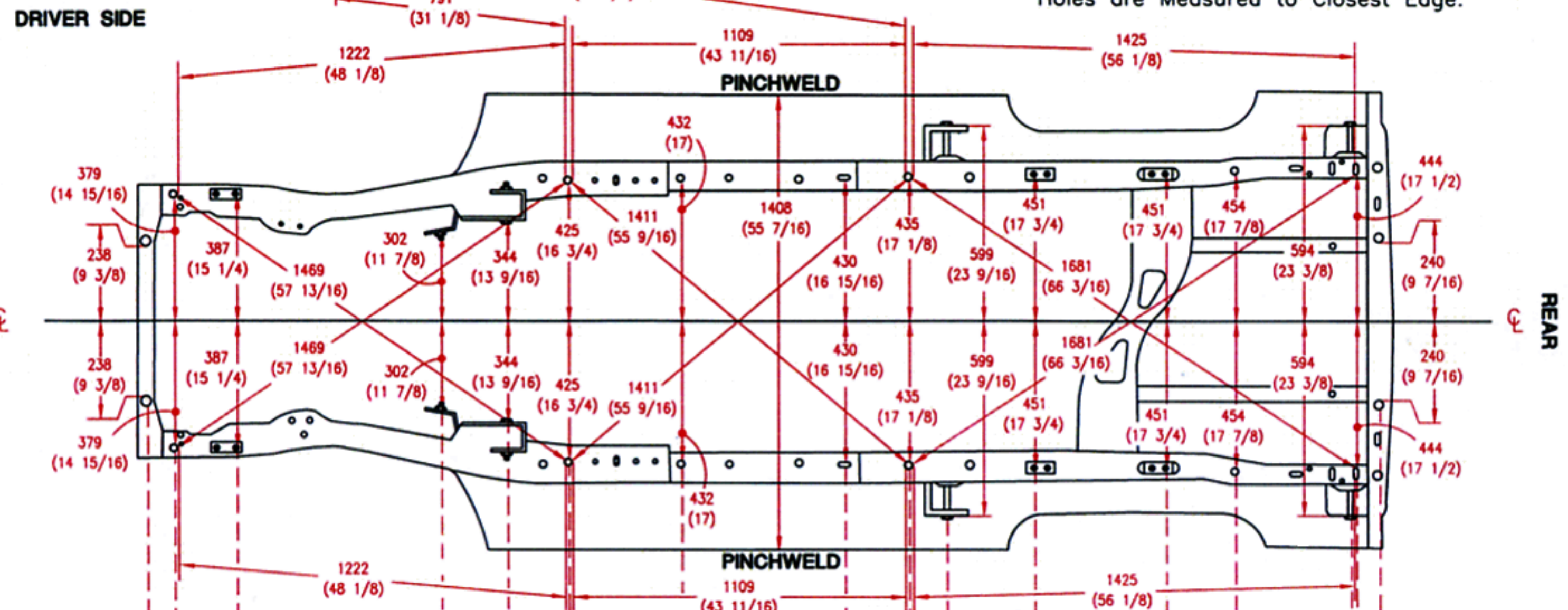
SEE PROCEDURE EXPLANATION

UNDERHOOD VIEW
 UNDERHOOD VIEW POINT-TO-POINT DIMENSIONS ARE TAKEN WITH TRAM BAR POINTERS SET AT EQUAL LENGTHS. Bolts and Studs are Measured to Center. Holes are Measured to Closest Edge.



See "C" for Datum Height and Length

BOTTOM VIEW
 BOTTOM VIEW POINT-TO-POINT DIMENSIONS ARE TAKEN WITH TRAM BAR POINTERS SET AT EQUAL LENGTHS. Bolts and Studs are Measured to Center. Holes are Measured to Closest Edge.



Top of Front Fender Bolt on Core Support

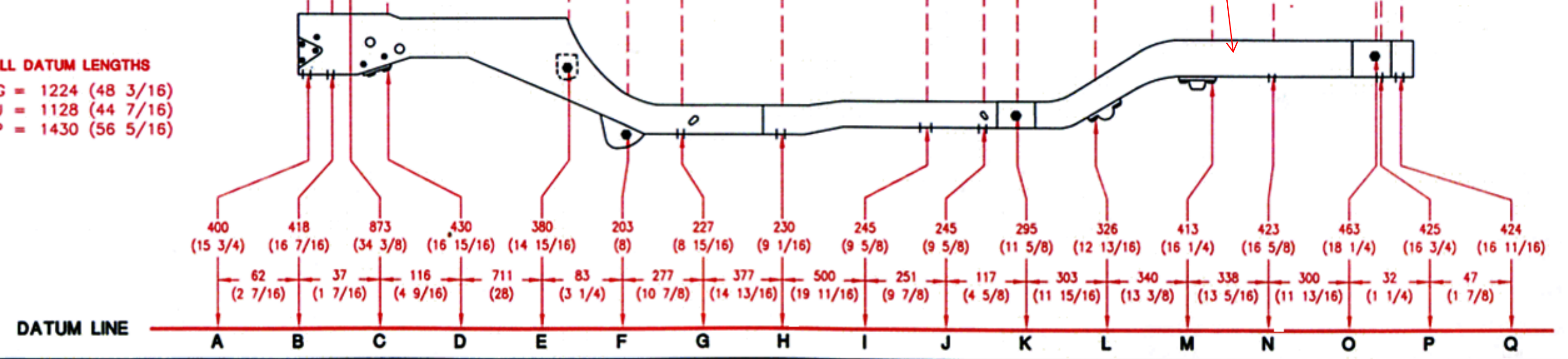
1999-2001 XJ-Body:
 Fuel Filler Tube Pass-Thru Hole DELETED from Frame Section;
 Fill Tube Routing Revised to 'Under-Frame' Configuration

MEASURING POINTS

- A = 26 (1)
- B = 16 (5/8)
- C = Front Fender Bolt
- D = Bolt
- E = Bolt
- F = Bolt
- G = 19 (3/4)
- H = 19 (3/4)
- I = 26 x 32 (1 x 1 1/4)
- J = 19 (3/4)
- K = Bolt
- L = Bolt
- M = Bolt
- N = 19 (3/4)
- O = Bolt
- P = 13 x 20 (1/2 x 13/16)
- Q = 22 (7/8)

OVERALL DATUM LENGTHS
 B to G = 1224 (48 3/16)
 G to J = 1128 (44 7/16)
 J to P = 1430 (56 5/16)

SIDE VIEW
 Datum Height Dimensions are PERPENDICULAR to Datum Plane. Datum Length Dimensions are PARALLEL to Centerline of Vehicle, and are Measured Center-to-Center.

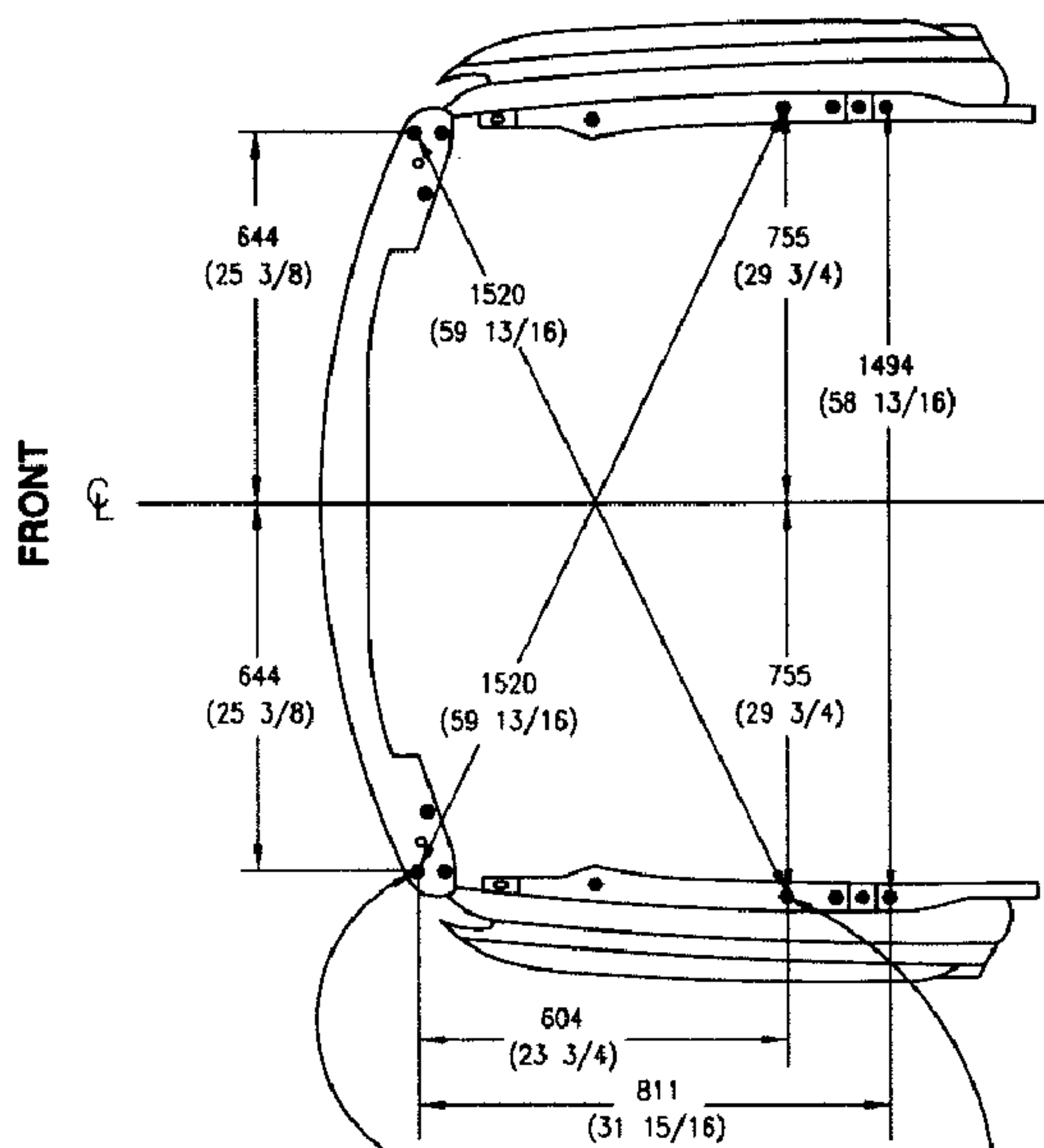


DS = Driver Side
 PS = Passenger Side

1999 JEEP GRAND CHEROKEE 4WD

2690 (105 7/8) WHEELBASE

UNDERHOOD VIEW
 UNDERHOOD VIEW POINT-TO-POINT DIMENSIONS ARE TAKEN WITH TRAM BAR POINTERS SET AT EQUAL LENGTHS. Bolts and Studs are Measured to Center. Holes are Measured to Closest Edge.

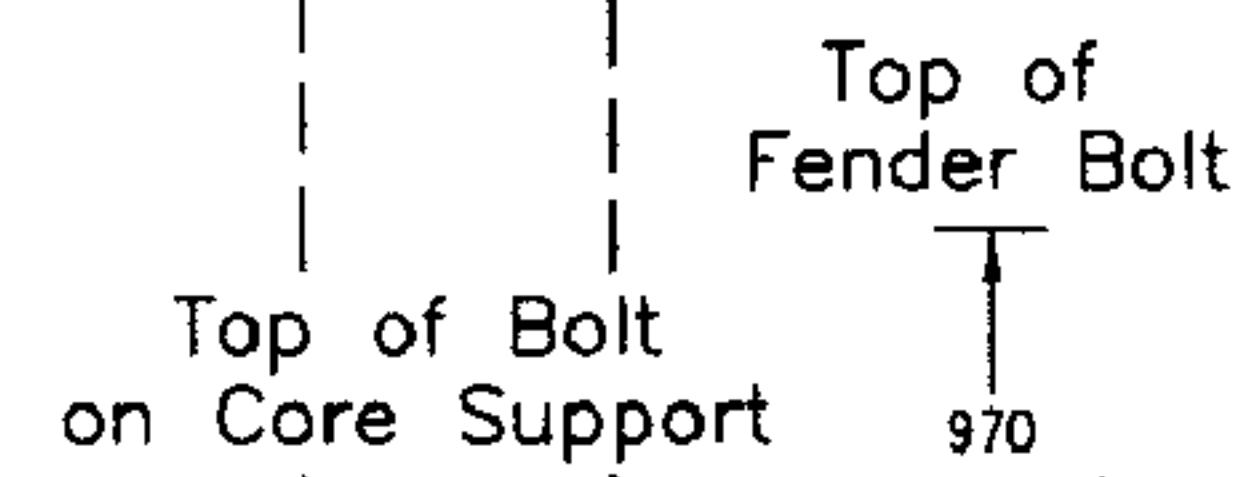
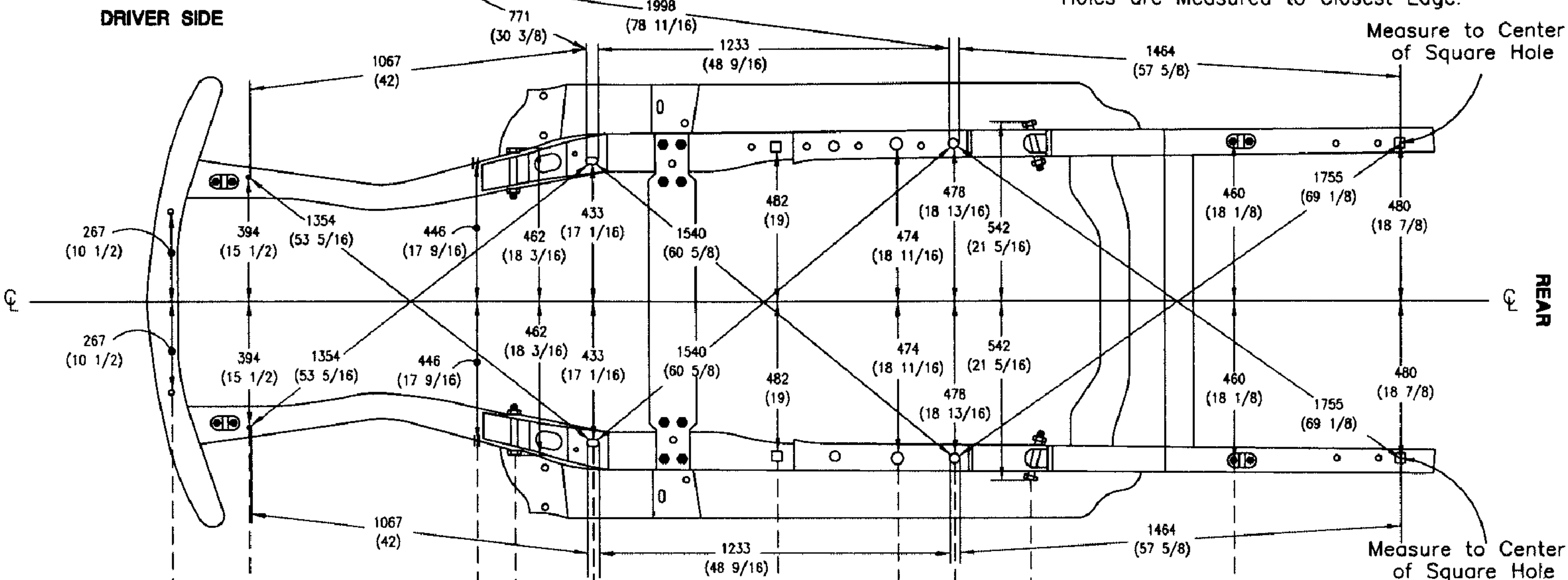


See B for Datum Height and Length

See D for Datum Height and Length

NOTICE
 All Dimensions to Bolts ON THIS PAGE are Measured to Head or Tip.

BOTTOM VIEW
 BOTTOM VIEW POINT-TO-POINT DIMENSIONS ARE TAKEN WITH TRAM BAR POINTERS SET AT EQUAL LENGTHS. Bolts and Studs are Measured to Center. Holes are Measured to Closest Edge.

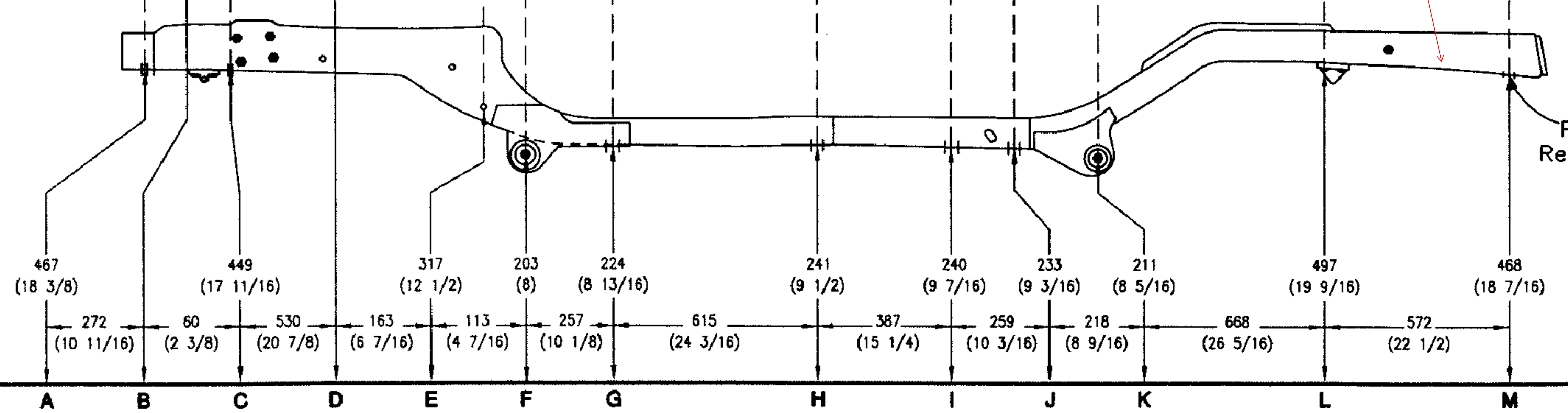


SIDE VIEW
 Datum Height Dimensions are PERPENDICULAR to Datum Plane. Datum Length Dimensions are PARALLEL to Centerline of Vehicle, and are Measured Center-to-Center.

1999-2004 WJ-Body:
 Fuel Filler Tube Pass-Thru Hole DELETED from Frame Section; Fill Tube Routing Revised to 'Under-Frame' Configuration

- MEASURING POINTS**
- A = 14 (9/16)
 - B = Bolt-Core Support
 - C = 8 (5/16) Threaded Hole
 - D = Fender Bolt
 - E = 12 (1/2)
 - F = Bolt
 - G = 17 x 33 (11/16 x 1 5/16)
 - H = 19 x 19 (3/4 x 3/4) Square Hole
 - I = 33 (1 5/16)
 - J = 25 (1)
 - K = Bolt
 - L = Bolt
 - M = 19 x 19 (3/4 x 3/4) Square Hole

- OVERALL DATUM LENGTHS**
- C to G = 1063 (41 7/8)
 - G to J = 1261 (49 5/8)
 - J to M = 1458 (57 3/8)



DS = Driver Side
 PS = Passenger Side

Parts Removed

SEE PROCEDURE EXPLANATION

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