

FRAMES AND BUMPERS

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BUMPERS AND FASCIAS

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REMOVAL AND INSTALLATION

FRONT BUMPER FASCIA – CONCORDE/LHS/300M

REMOVE

- Release hood latch and open hood.
- Remove large rubber grommet (70 mm x 168 mm) from splash shield to gain access to fascia fasteners (Fig. 1).
- Remove fasteners attaching fascia to the front fender and splash shield, using access hole in splash shield (Fig. 2).
- Remove the fasteners attaching the fascia to the lower crossmember (Fig. 3).
- Remove the fasteners attaching the fascia to the upper radiator closure panel (Fig. 3).
- Disconnect wire connectors (fog lamps, parking/turn signal, side marker), if equipped (Fig. 4).
- Remove fascia from vehicle.

INSTALLATION

- Connect wire connectors.
- Place fascia in position on vehicle, by fitting foam to bumper beam. Use care not to scratch fender. Tape may be put on fender for protection.
- Install the top center fasteners, to upper radiator closure panel.
- Install fasteners attaching fascia to the front fender and splash shield, using access hole in splash shield
- Align fascia to bumper reinforcement.

- Align the two fascia studs to the fender vertical attachments, at the same time align the fascia groove on the horizontal flange with the fender fasteners. Push fascia rearward to engage the fasteners.
- Install nut on fascia stud through the splash shield access hole, on each side.

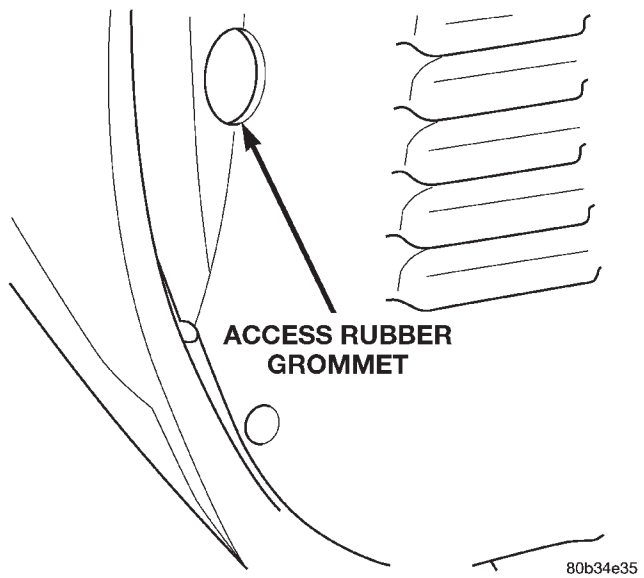
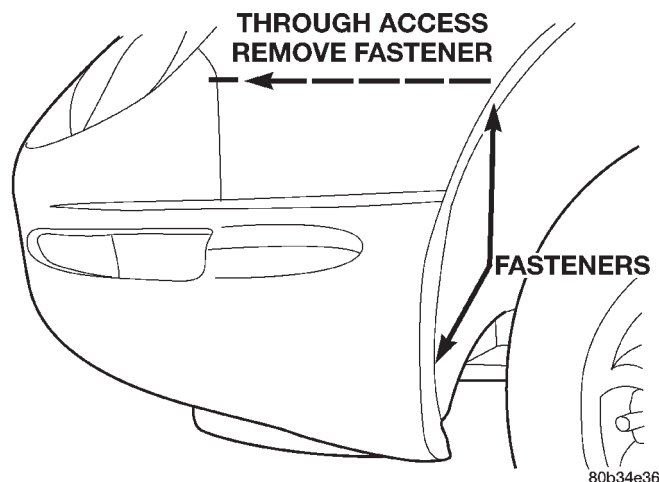
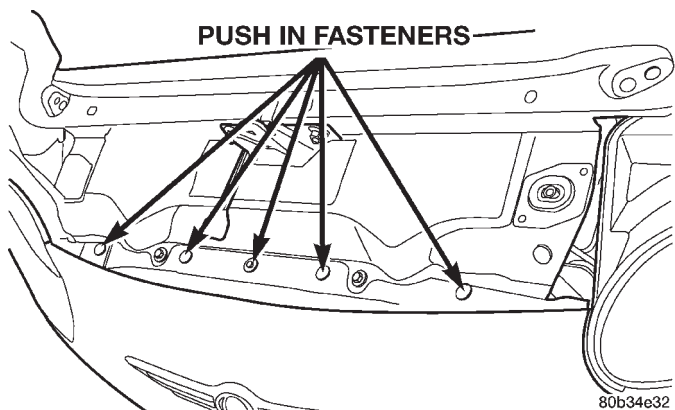
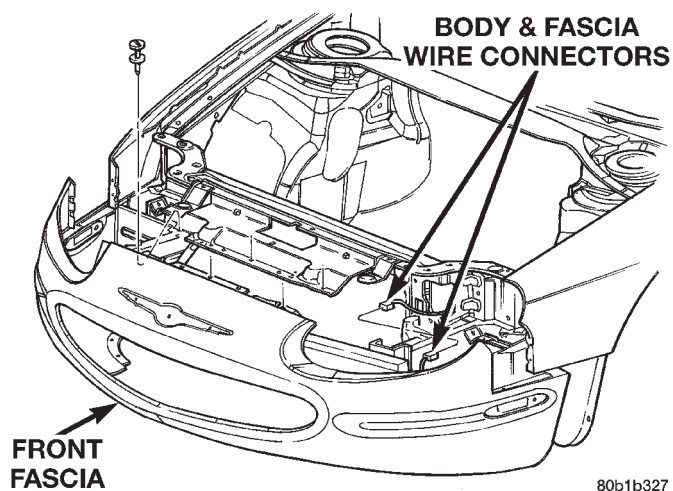


Fig. 1 Access Rubber Grommet

REMOVAL AND INSTALLATION (Continued)

**Fig. 2 Fastener Locations****Fig. 3 Remove Push In Fasteners****Fig. 4 Front Bumper Fascia****FRONT BUMPER FASCIA – INTREPID****REMOVAL**

- (1) Release hood latch and open hood.
- (2) Remove push in fasteners attaching bottom of fascia (air dam) to radiator closure panel (Fig. 5).

(3) Remove fasteners attaching fascia to front fenders and splash shields (Fig. 6).

(4) Remove push in fasteners attaching the fascia to upper radiator closure panel.

(5) Pull the sides of the fascia outwards to disengage fascia from drive pins then pull fascia forward.

(6) Disconnect fog lamp wire connectors, if equipped.

(7) Remove fascia from vehicle.

INSTALLATION

(1) Connect fog lamp wire connectors, if equipped.

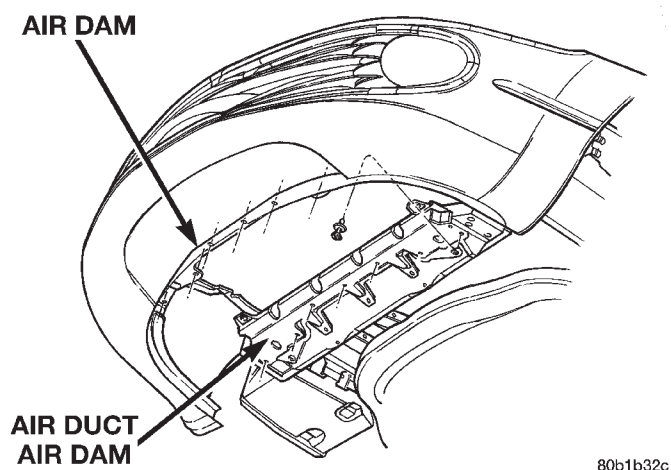
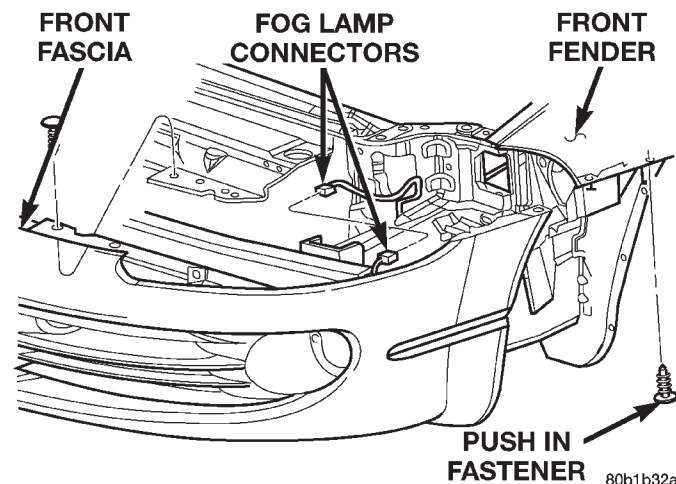
(2) Place fascia in position on vehicle, by fitting foam to bumper beam.

(3) Snap sides of fascia over drive pin fasteners on fenders.

(4) Install fasteners to upper radiator closure.

(5) Install fasteners attaching fascia to front fenders and splash shields.

(6) Install fasteners attaching bottom of fascia to radiator closure panel.

**Fig. 5 Air Dam****Fig. 6 Front Bumper Fascia**

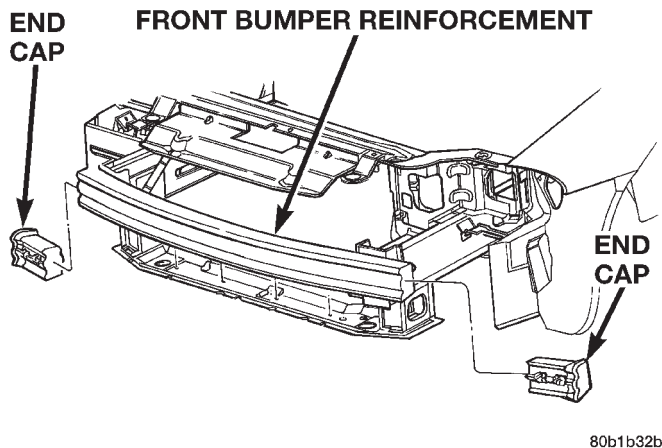
REMOVAL AND INSTALLATION (Continued)

FRONT BUMPER REINFORCEMENT**REMOVAL**

- (1) Remove front fascia.
- (2) Remove end plugs in ends of bumper after removing screws in front of bumper.
- (3) Remove attaching bolts from bumper reinforcement to adapter plate through ends of the bumper. (Fig. 7).
- (4) If beam is damaged, the adapter plate to rail welds will have to be cut off.

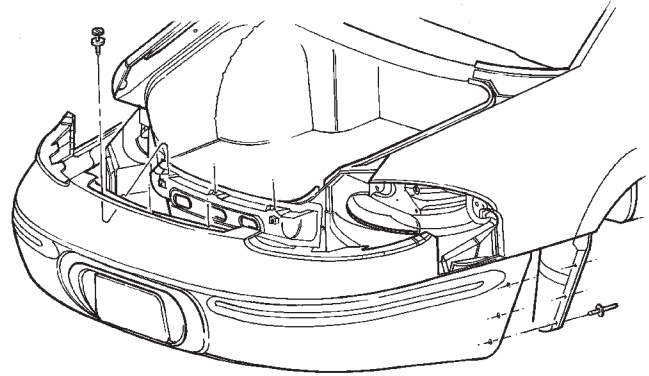
INSTALLATION

- (1) Place reinforcement in position on front of vehicle.
- (2) Install attaching bolts to inside of bumper reinforcement to adapter plates.
- (3) Install end plugs in ends of bumper, using screws in front of the bumper.
- (4) Install front fascia.

**Fig. 7 Front Bumper Reinforcement****REAR BUMPER FASCIA – CONCORDE/LHS/300M****REMOVAL**

- (1) Release deck lid latch and open deck lid.
- (2) Partially remove trunk carpet to gain access to fascia attaching nuts and remove nuts.
- (3) Remove both tail lamp housings to gain access to fascia attaching nuts (300M).
- (4) Remove nuts from the attaching studs.
- (5) Remove fasteners attaching fascia to rear quarter and splash shield.
- (6) Remove upper push pins attaching the fascia to the body.
- (7) Pull fascia with 30 pound force to disengage plastic clip and grommet that attaches the fascia to the quarter panel vertical flange one side at a time (Fig. 8).

- (8) Disengage main wire connector from the body harness. The connector is on the left side of vehicle.
- (9) Remove fascia from vehicle.



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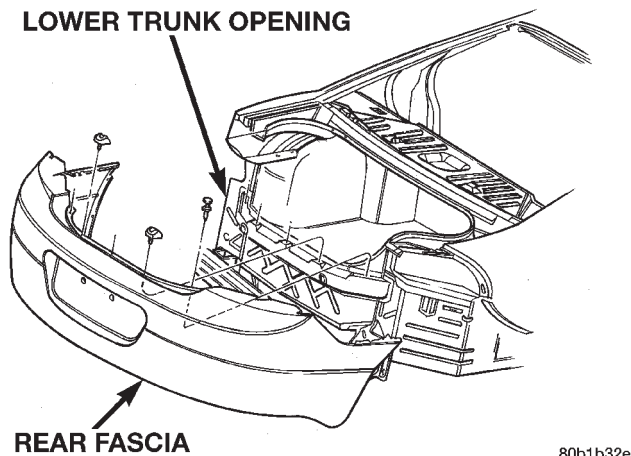
Fig. 8 Rear Bumper Fascia**INSTALLATION**

- (1) Connect main wire connector to the body harness connector.
- (2) Place rear fascia in position on bumper reinforcement.
- (3) Align the two fascia studs to the quarter panel vertical attachment, at the same time align the fascia key hole slot on the horizontal flange with the drive pin. Push fascia forward to engage the fasteners.
- (4) Install push pins attaching top of fascia to body.
- (5) Install nut on fascia stud, and install tail lamp housing (300M).
- (6) Install trunk carpet back in position.
- (7) Install fasteners attaching fascia to rear quarter panel and splash shields.

REAR BUMPER FASCIA – INTREPID**REMOVAL**

- (1) Open deck lid and remove tail lamps.
- (2) Remove fasteners attaching fascia to rear quarter and splash shields.
- (3) Remove fasteners attaching fascia to tail lamp can.
- (4) Remove fasteners attaching fascia to lower trunk panel.
- (5) Pull sides of fascia outwards to disengage snaps to quarter panel attaching bracket (Fig. 9).
- (6) Pull fascia rearward to expose license plate lamp wire connector. Disconnect wire harness connector. The connector is located on the left side of vehicle.

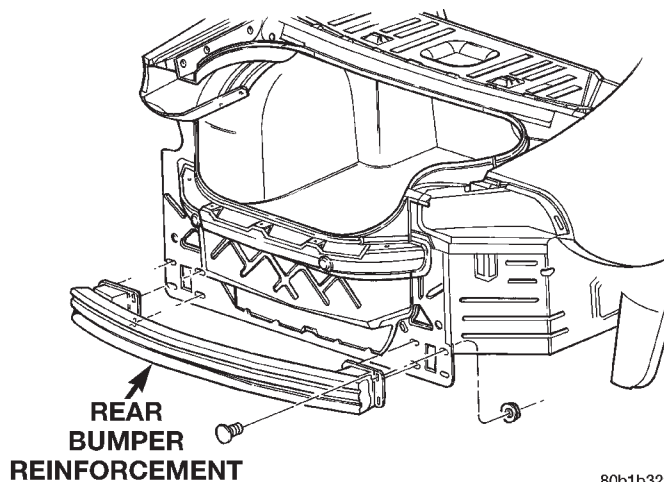
REMOVAL AND INSTALLATION (Continued)

**Fig. 9 Rear Bumper Fascia****INSTALLATION**

- (1) Connect the license plate lamp wire connector to the body harness.
- (2) Place rear fascia in position on vehicle, by fitting foam to bumper beam.
- (3) Install center fastener to lower trunk panel.
- (4) Snap sides of fascia between quarter panel and bracket.
- (5) Install fasteners to tail lamp can.
- (6) Install fasteners attaching fascia to rear quarter panel and splash shields.
- (7) Install the remaining fasteners to lower trunk panel.
- (8) Install tail lamps.

REAR BUMPER REINFORCEMENT**REMOVAL**

- (1) Remove rear fascia.
- (2) Remove attaching bolts and nuts from attaching bracket to rails (Fig. 10).

**Fig. 10 Rear Bumper Reinforcement****INSTALLATION**

- (1) Place reinforcement in position on rear of vehicle.
- (2) Install bracket to rails attaching bolts and nuts.

FRAME

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REMOVAL AND INSTALLATION

ENGINE CRADLE CROSSMEMBER

REMOVAL

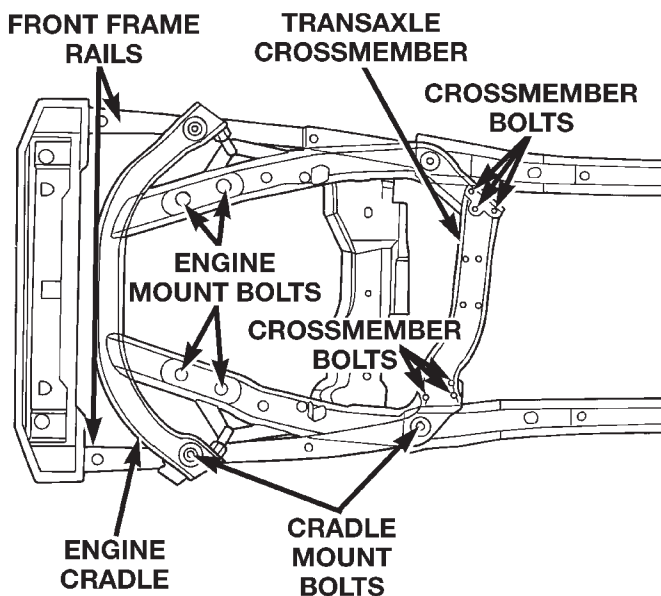
CAUTION: VERIFY THAT VEHICLE IS PROPERLY SUPPORTED AND SECURED TO THE LIFTING DEVICE. VEHICLE CENTER OF GRAVITY WILL CHANGE WHEN HEAVY COMPONENTS ARE REMOVED CAUSING A HAZARDOUS CONDITION.

- (1) Release hood latch and open hood.
- (2) Remove nuts holding engine mounts to cradle.
- (3) Install a suitable engine support device.
- (4) Raise and support vehicle on safety stands.
- (5) Remove bolts holding transaxle crossmember to cradle.
- (6) Lower vehicle and lift engine and transaxle off cradle.
- (7) Raise and support vehicle on safety stands.
- (8) Disconnect sway bar links.
- (9) Remove bolts retaining suspension lower ball joints to spindles.
- (10) Separate lower control arm from spindle. Refer to Group 2, Suspension, for proper procedures.
- (11) Support cradle on a 10 cm by 10 cm by 90 cm (4 in. by 4 in. by 36 in.) wood beam and a jack.
- (12) Remove bolts holding cradle to body shell (Fig. 1).
- (13) Lower cradle away from body shell.

INSTALLATION

NOTE: If cradle replacement is required, transfer suspension components and jounce and bounce plates to replacement cradle.

- (1) Support cradle on wood beam and a jack.
- (2) Position cradle under body shell.
- (3) Install bolts to hold cradle to body shell.
- (4) Connect lower control arms to spindles. Refer to Group 2, Suspension, for proper procedures.
- (5) Install bolts to retain suspension lower ball joints to spindles.
- (6) Connect sway bar links.



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Fig. 1 Engine Cradle

- (7) Lower vehicle and lower engine and transaxle onto cradle.
- (8) Raise vehicle.
- (9) Install bolts to hold transaxle crossmember to cradle.
- (10) Lower vehicle.
- (11) Remove engine support device.
- (12) Install nuts to hold engine mounts to cradle.
- (13) Align front suspension if necessary.

SPECIFICATIONS

VEHICLE DIMENSIONS

Frame dimensions are listed in metric scale then converted to inch scale listed in parenthesis. All dimensions are from center to center of Principal Locating Point (PLP), or from center to center of PLP and fastener location. Vertical dimensions can be taken from the work surface to the locations indicated (Fig. 2) through (Fig. 11).

SPECIFICATIONS (Continued)

ENGINE BOX

A.	1497.95
B.	1497.95
C.	586.07
D.	580.38
E.	781.31
F.	781.31
G.	560.71
H.	560.71
I.	1362.51
J.	1217.18
K.	1093.54
L.	1400.52

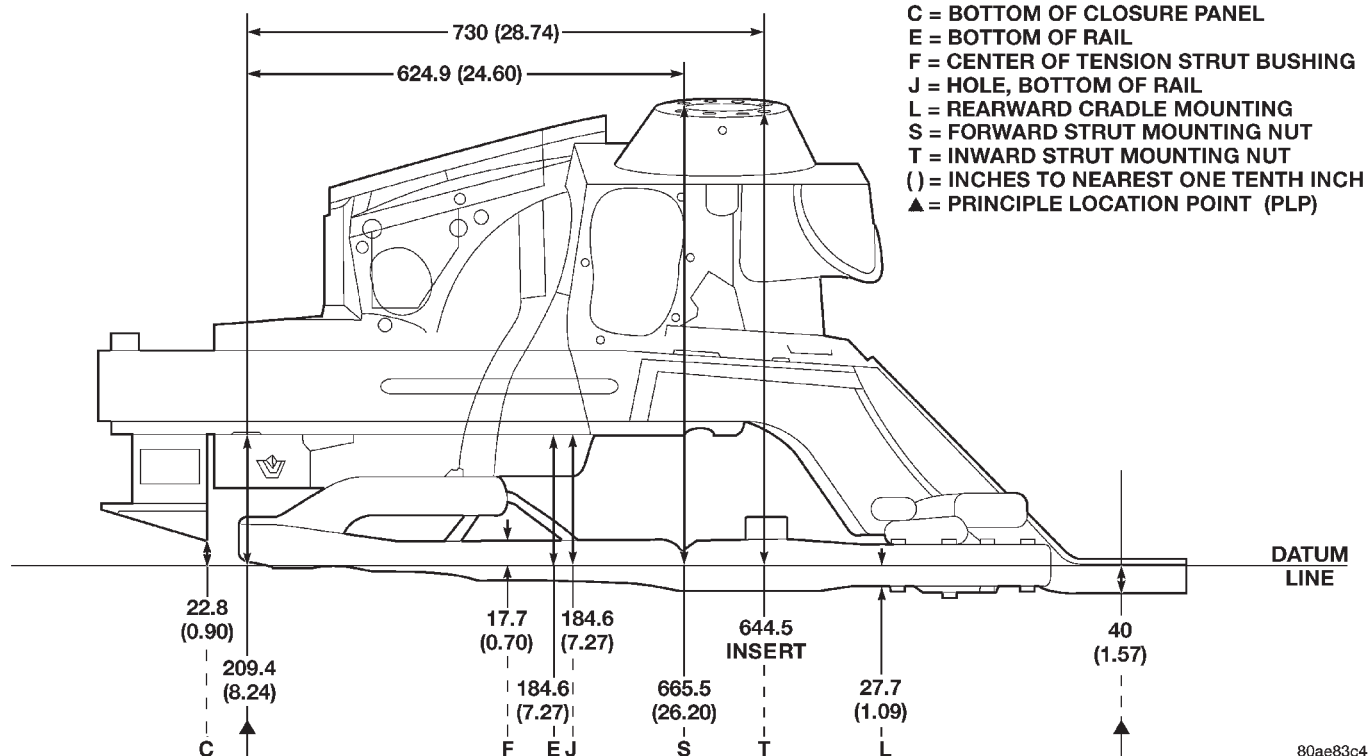
NOTE:

ALL
MEASUREMENTS
CENTER OF HOLE
TO CENTER OF
HOLE.
MEASUREMENTS
ARE THE SAME
FOR LWB & SWB

ALL DIMENSIONS IN MILLIMETERS

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Fig. 2 Engine Compartment Top View



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Fig. 3 Engine Compartment Side View

SPECIFICATIONS (Continued)

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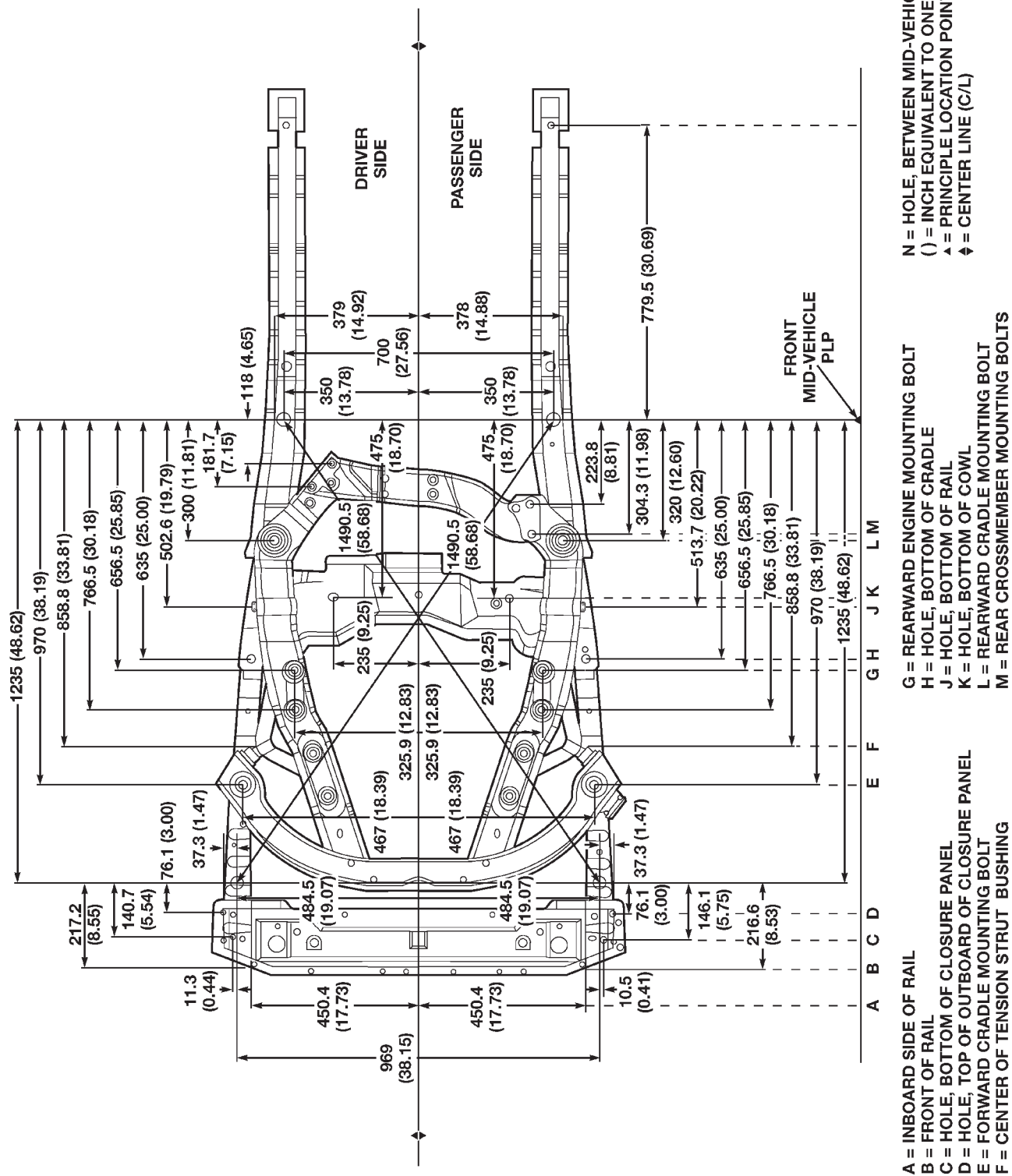
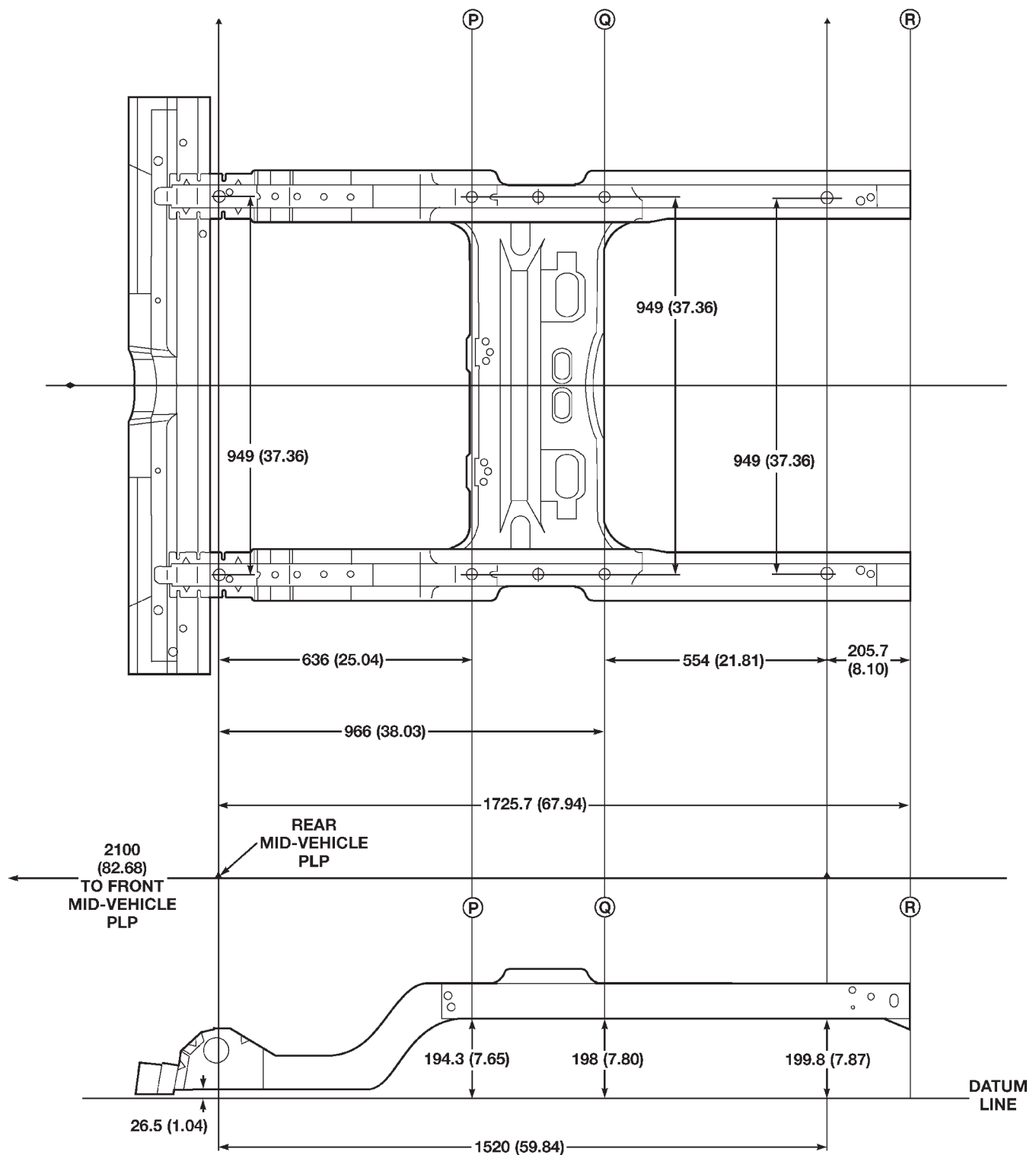


Fig. 4 Forward Frame Section and Engine Cradle

SPECIFICATIONS (Continued)



REAR FRAME SECTION

- P = BOLT, SUSPENSION MOUNTING FORWARD
 Q = BOLT, SUSPENSION MOUNTING REARWARD
 R = END OF FRAME RAIL ADAPTER
 () = INCH EQUIVALENT TO ONE TENTH INCH
 ▲ = PRINCIPAL LOCATION POINT (PLP)
 ◆ = CENTER LINE (C/L)

Fig. 5 Rear Frame Section

SPECIFICATIONS (Continued)

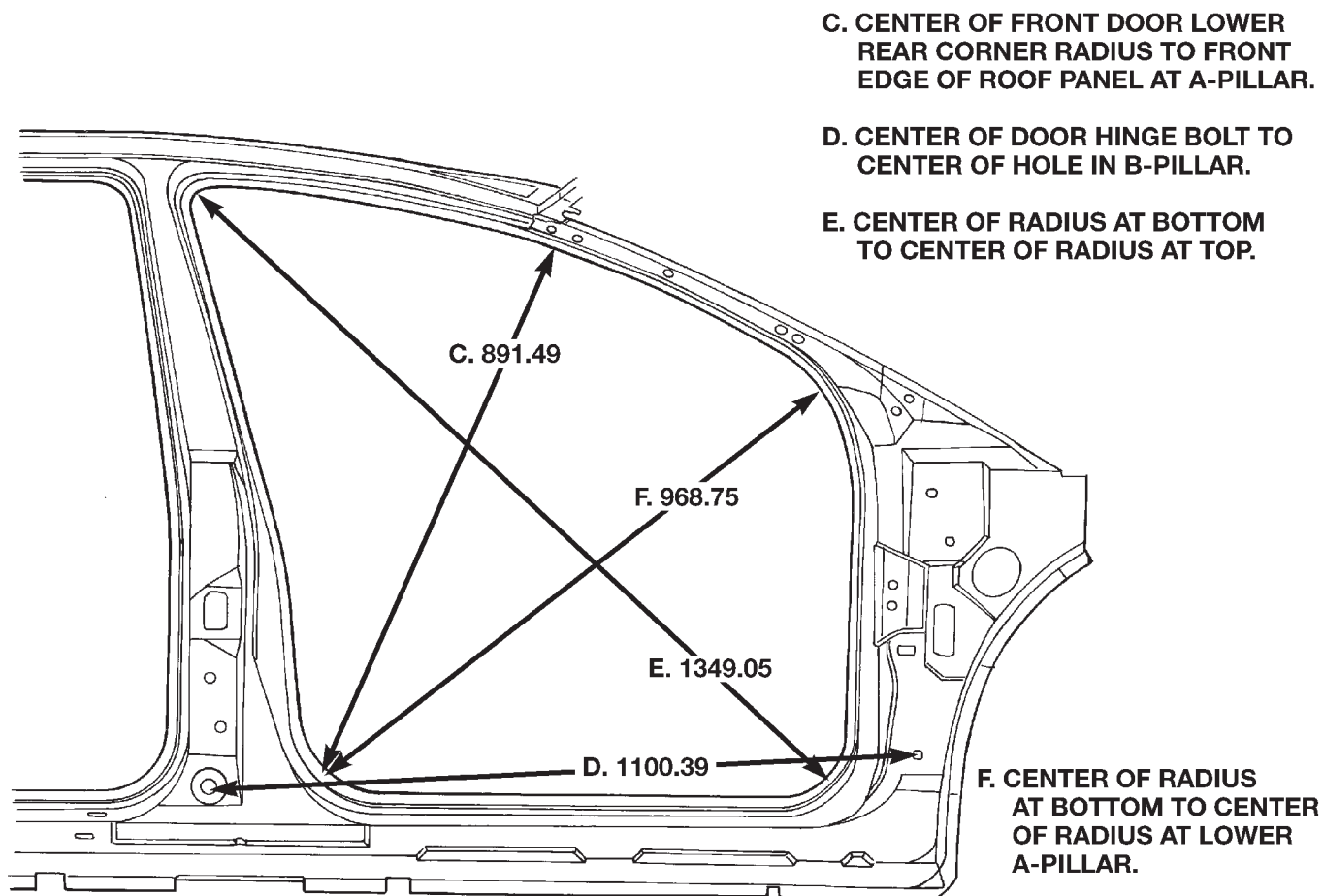
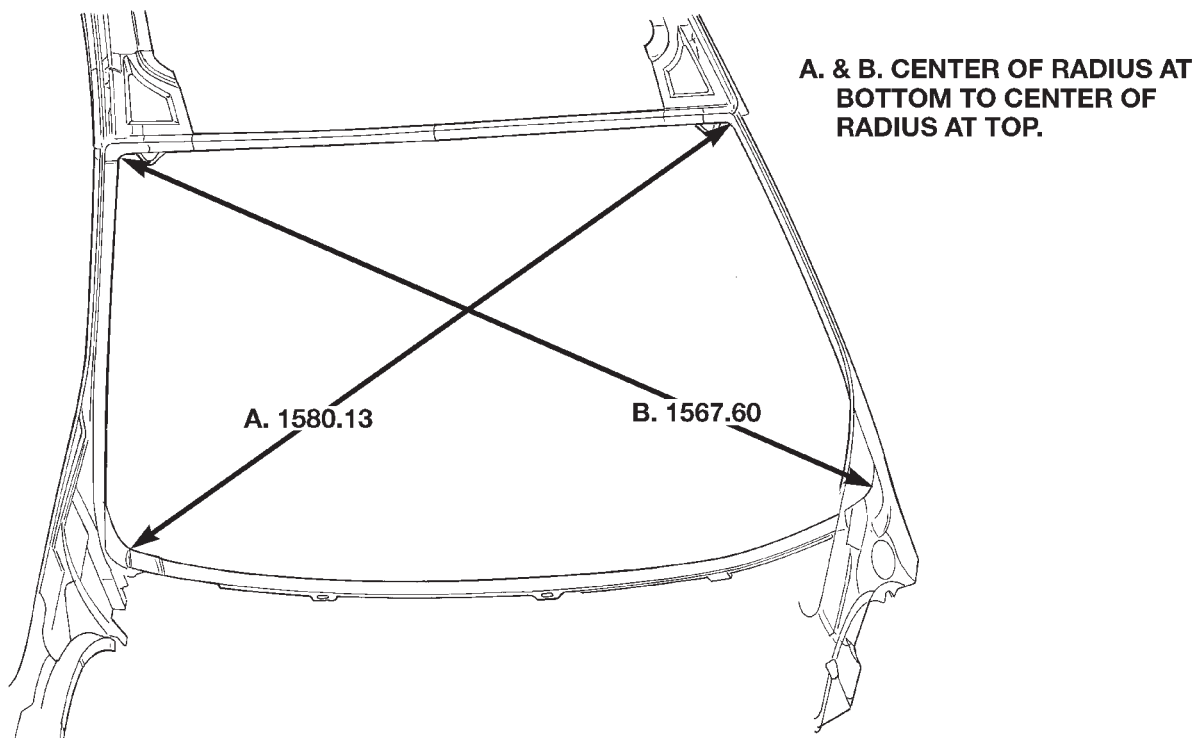
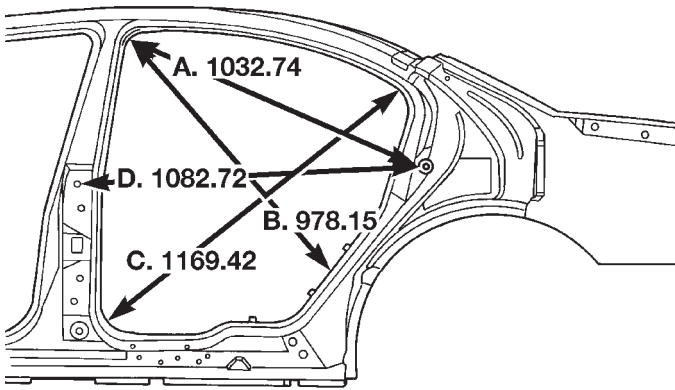


Fig. 6 Windshield and Front Door Openings

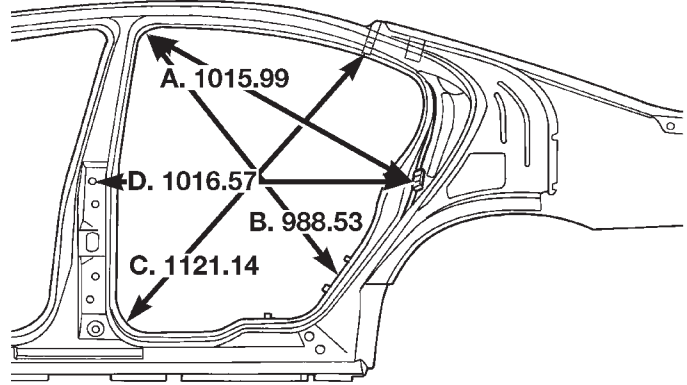
SPECIFICATIONS (Continued)



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Fig. 7 Rear Door Openings – Concorde/LHS/300m

- A. Center of radius at top to door latch hole.
- B. Center of radius at bottom to center of radius at top.
- C. Center of radius at bottom to edge of quarter panel at C-pillar.
- D. Upper rear door hinge rear bolt hole to door latch hole.

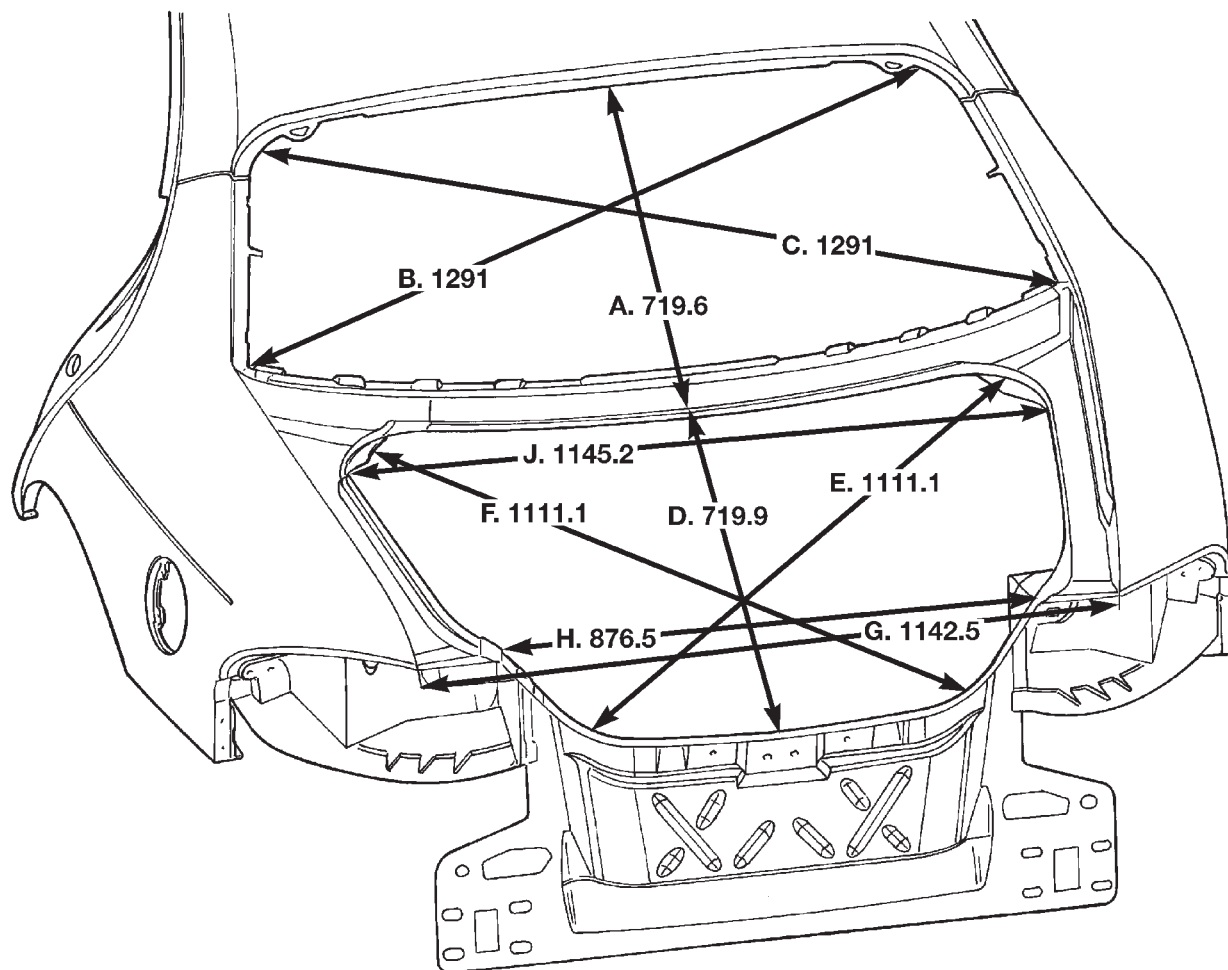


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Fig. 8 Rear Door Openings – Intrepid

- A. Center of radius at top to door latch hole.
- B. Center of radius at bottom to center of radius at top.
- C. Center of radius at bottom to edge of quarter panel at C-pillar.
- D. Upper rear door hinge rear bolt hole to door latch hole.

SPECIFICATIONS (Continued)



A. LOWER EDGE OF BACK GLASS UPPER MOUNTING FLANGE TO FRONT OF REAR DECK OPENING WEATHERSTRIP FLANGE.

B. & C. UPPER REAR CORNER OF GLASS MOUNTING FLANGE TO EDGE OF REAR QUARTER PANEL.

D. FRONT DECK OPENING WEATHERSTRIP FLANGE TO DECK OPENING TAILPANEL WEATHERSTRIP FLANGE.

E. & F. CENTER OF DECK OPENING FRONT CORNER RADIUS TO REAR TAILPANEL DECK OPENING RADIUS.

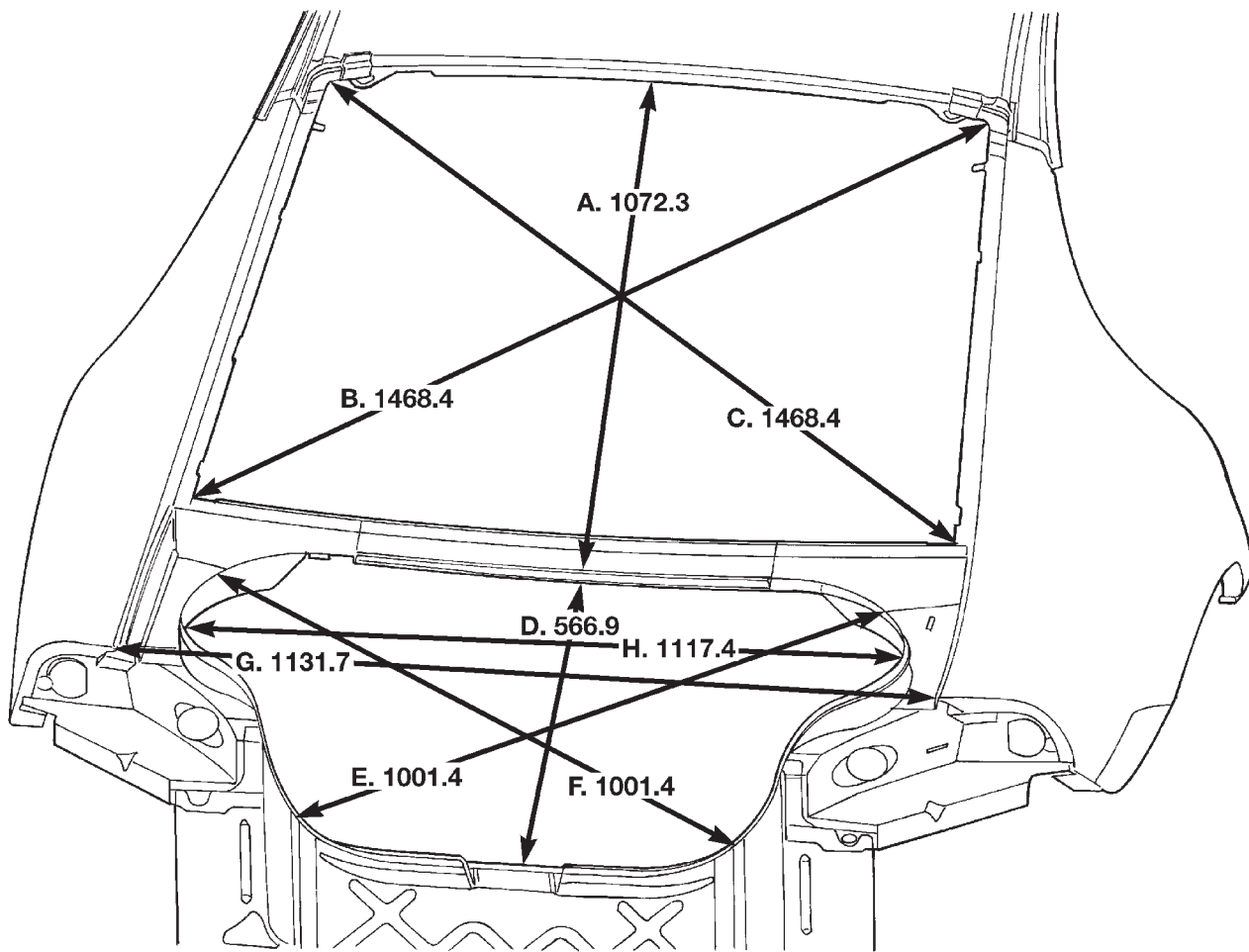
G. REAR TIP OF QUARTER PANELS.

H. REAR EDGE OF TROUGH RAILS.

J. FRONT EDGE OF TROUGH RAILS.

Fig. 9 Rear Window and Trunk Opening – Concorde/LHS

SPECIFICATIONS (Continued)



A. LOWER EDGE OF BACK GLASS UPPER MOUNTING FLANGE TO FRONT OF REAR DECK OPENING WEATHERSTRIP FLANGE.

B. & C. UPPER REAR CORNER OF GLASS MOUNTING FLANGE TO EDGE OF REAR QUARTER PANEL.

D. FRONT DECK OPENING WEATHERSTRIP FLANGE TO DECK OPENING TAILPANEL WEATHERSTRIP FLANGE.

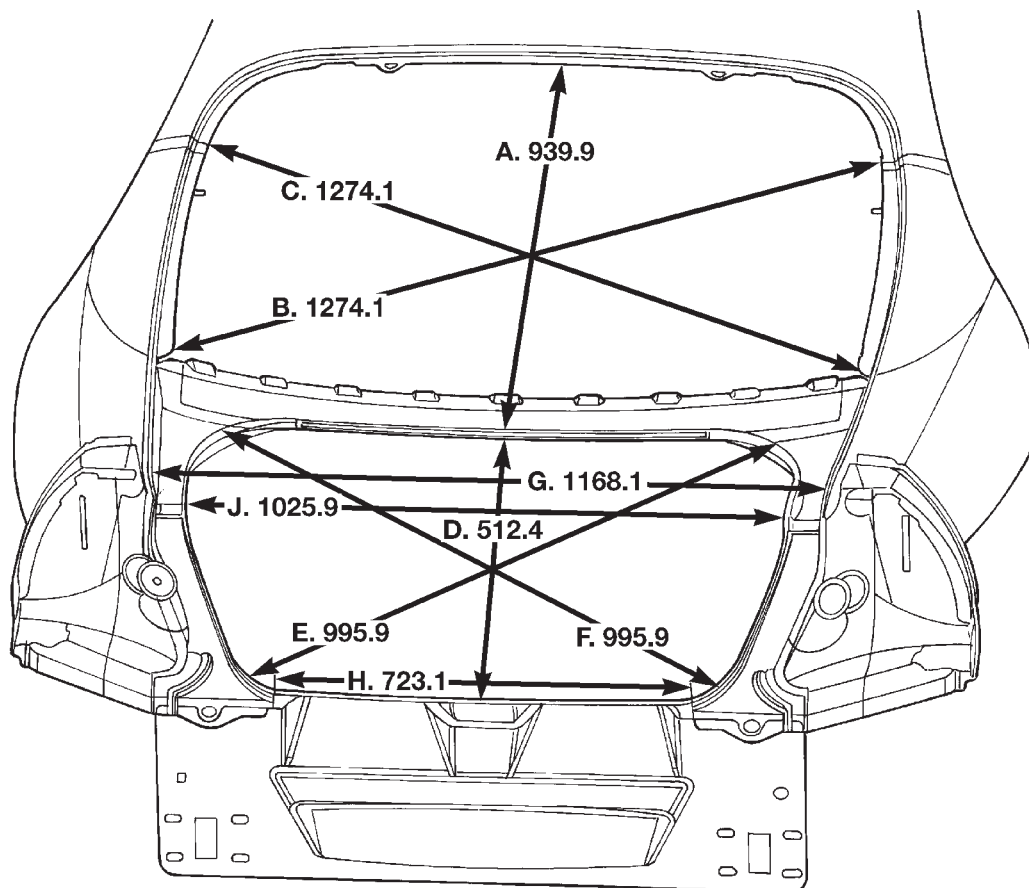
E. & F. CENTER OF DECK OPENING FRONT CORNER RADIUS TO REAR TAILPANEL DECK OPENING RADIUS.

G. REAR TIP OF QUARTER PANELS.

H. REAR EDGE OF TROUGH RAILS.

Fig. 10 Rear Window and Trunk Openings – Intrepid

SPECIFICATIONS (Continued)



A. LOWER EDGE OF BACK GLASS UPPER MOUNTING FLANGE TO FRONT OF DECK OPENING WEATHERSTRIP FLANGE.

B. & C. UPPER CORNER OF REAR QUARTER PANEL GLASS OPENING TO LOWER GLASS OPENING AT QUARTER PANEL.

D. FRONT DECK OPENING WEATHERSTRIP FLANGE TO DECK OPENING TAILPANEL WEATHERSTRIP FLANGE.

E. & F. CENTER OF DECK OPENING FRONT CORNER RADIUS TO REAR TAILPANEL DECK OF OPENING RADIUS.

G. REAR TIP OF QUARTER PANELS.

H. REAR EDGE OF TROUGH RAILS.

J. FRONT EDGE OF TROUGH RAILS.

Fig. 11 Rear Window and Trunk Openings – 300M

