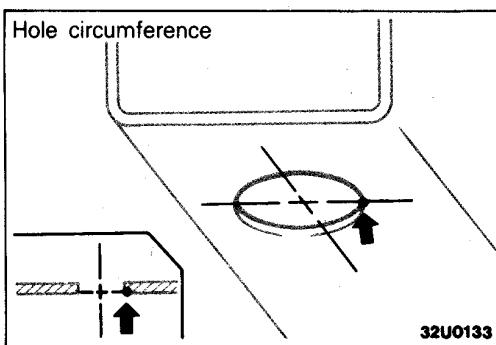
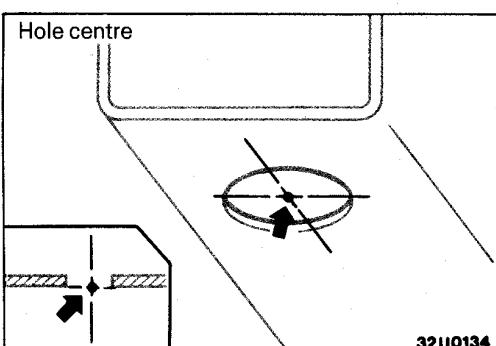
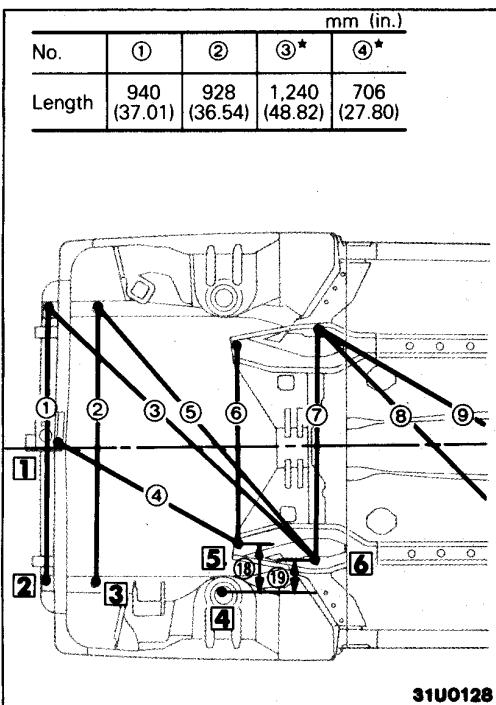
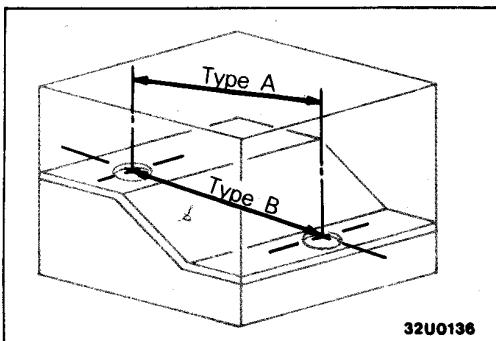


# 2 BODY DIMENSIONS

## BODY DIMENSIONS AND MEASUREMENT

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## BODY DIMENSIONS AND MEASUREMENT METHODS

### HOW BODY DIMENSIONS ARE INDICATED

1. Type A (Projected dimensions)  
These are the dimensions measured when the measurement points are projected into the reference plane, and are the reference dimensions used for body alterations.
2. Type B (Actual-measurement dimensions)  
These dimensions indicate the actual linear distance between measurement points, and are the reference dimensions for use if a tracking gauge is used for measurements.
3. The units given for the dimensions of both types (A and B) are mm (in.).

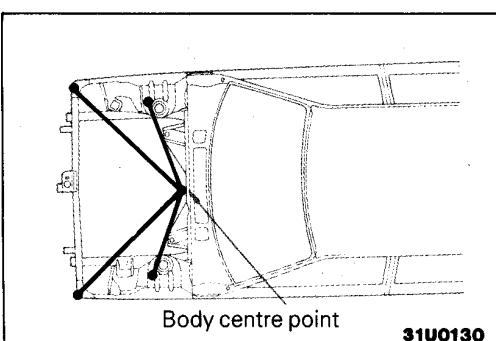
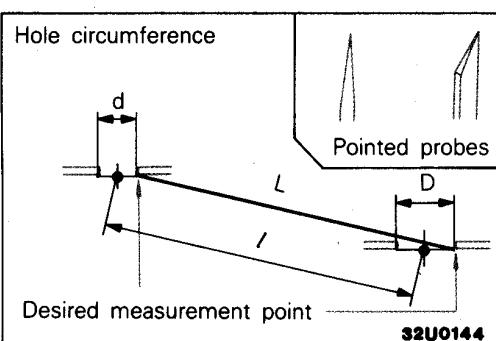
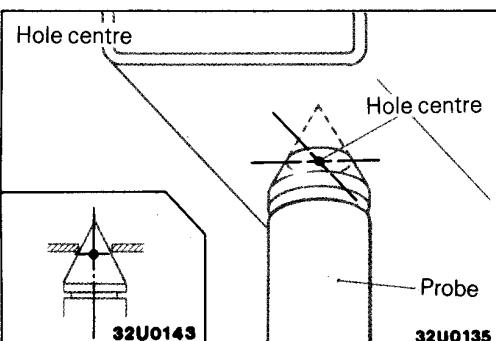
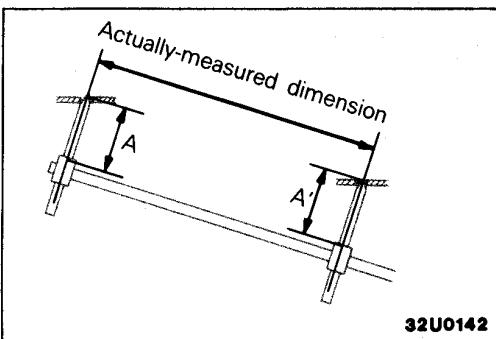
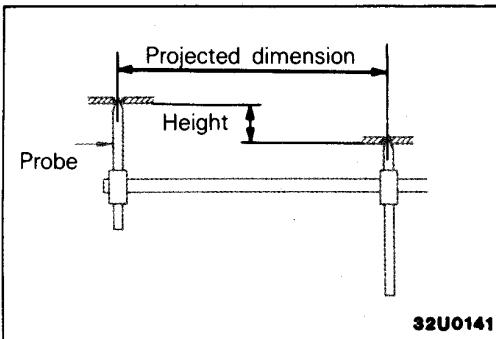
### INDICATION OF REFERENCE DIMENSIONS

If the reference dimension number (in a circle) shown on the top line of the dimension table at left is marked with a circle, measurements are taken of this dimension and another which are symmetrical with respect to the car centerline.

### MEASUREMENT POINTS

Measurement points are used to indicate the following:

1. If a measurement is to be made at a hole centre, the point of the surface from which the measuring instrument is applied is the measurement point.
2. If a measurement is to be made at the circumference of a hole, the point of the hole circumference of the surface from which the measuring instrument is applied is the measurement point.



## MEASUREMENT METHODS USING A TRACKING GAUGE

### NOTE

Use a tracking gauge without looseness between gauge body and probes.

### 1. TYPE A (PROJECTED DIMENSIONS)

If the length of the tracking gauge probes are adjustable, make the measurement by lengthening one probe by the amount equivalent to the difference in height of the two surfaces.

### 2. TYPE B (ACTUAL-MEASUREMENT DIMENSIONS)

Measure by first adjusting both probes to the same length ( $A = A'$ ).

### 3. IF HOLE DIAMETERS ARE THE SAME AND THE PROBES ARE CONICAL

For both Type A and Type B, insert the probes into the holes, and then make the measurement. This method of measurement should be used if the diameters of the holes in the location to be measured are the same.

### 4. IF HOLE DIAMETERS ARE DIFFERENT, OR THE PROBES ARE POINTED

Because measurement at the hole centers is impossible, the circumferences must be used instead.

## HOW TO DETERMINE DIMENSIONS

$$\text{Desired dimensions} : L = l + \frac{D - d}{2}$$

Example : mm (in.)

Reference dimensions :  $l = 600$  (23.6)

Measured hole diameters :  $D = 20\phi$  (0.79),  
 $d = 10\phi$  (0.39)

Desired dimensions :

$$L = 600 \text{ (23.6)} + \frac{20\phi (0.79) - 10\phi (0.39)}{2} = 605 \text{ (23.8)}$$

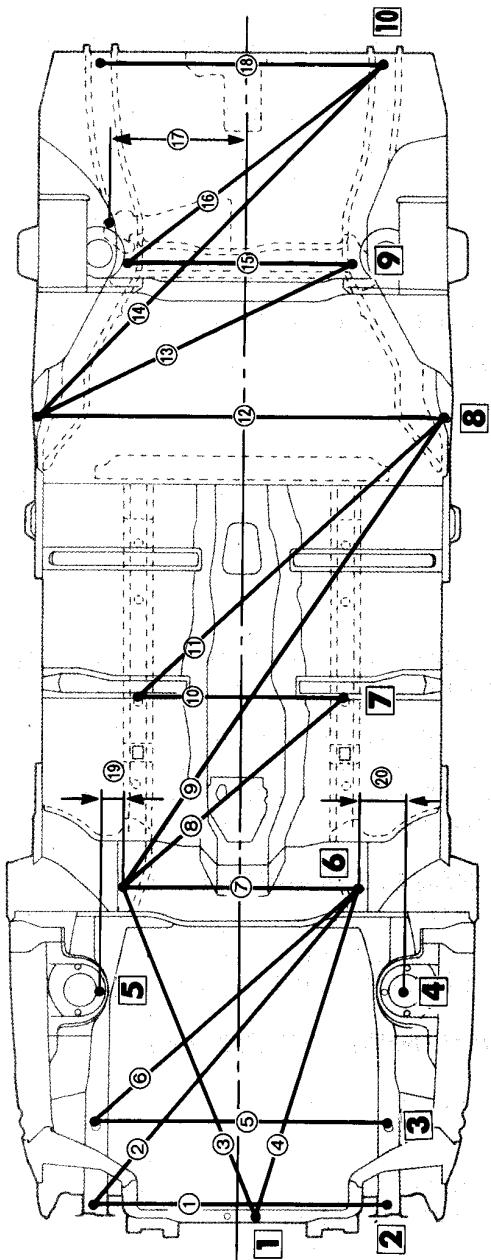
## BODY CENTRE POINTS

When measuring locations that should be symmetrical left and right and there are no specific instructions with regard to measurements in "Body Dimensions", the body centre points should be used to confirm that the left and right measurements from these points are the same. One body centre point is specified for the front of the body and another is specified for the rear.

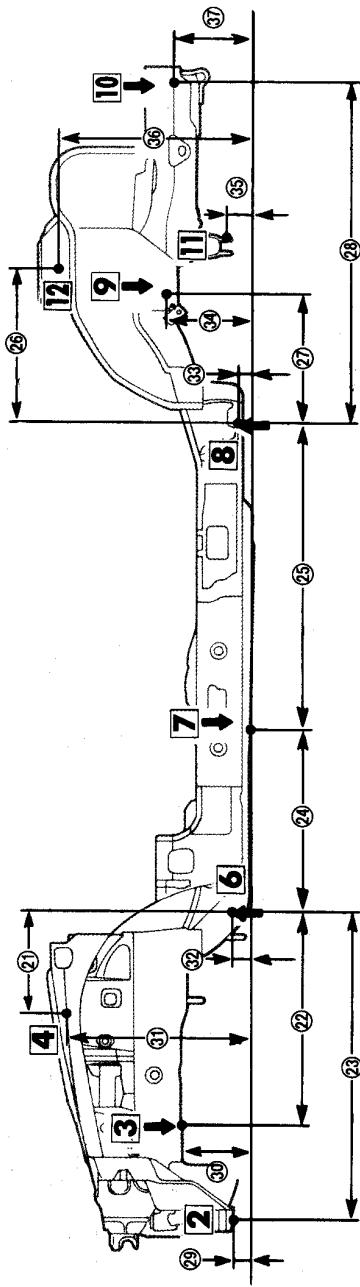
## TYPE A (PROJECTED DIMENSIONS) <2WD>

mm (in.)

No.	Length	No.	Length
①	980 (38.53)	②	140 (5.51)
②*	1,339 (52.73)	③	312 (12.28)
③	1,106 (43.55)	④	729 (28.70)
④	1,075 (42.34)	⑤	1,001 (39.41)
⑤	960 (37.80)	⑥	672 (26.46)
⑥*	1,143 (44.99)	⑦	932 (36.69)
⑦	800 (31.50)	⑧	540 (21.26)
⑧*	1,012 (39.85)	⑨	520 (20.47)
⑨*	1,925 (75.80)	⑩	1,110 (43.70)
⑩	714 (28.11)	⑪	75 (2.95)
⑪*	1,383 (54.46)	⑫	L.H. 238 (9.37)
⑫	1,330 (52.36)	⑬	R.H. 238 (9.37)
⑬*	1,185 (46.66)	⑭	636 (25.04)
⑭*	1,595 (62.78)	⑮	58 (2.28)
⑮	800 (31.50)	⑯	39 (1.54)
⑯*	1,060 (41.71)	⑰	272 (10.71)
⑰	439 (17.28)	⑱	101 (3.98)
⑱	960 (37.80)	⑲	580 (22.84)
⑲	71 (2.80)	⑳	239 (9.41)



32A0117



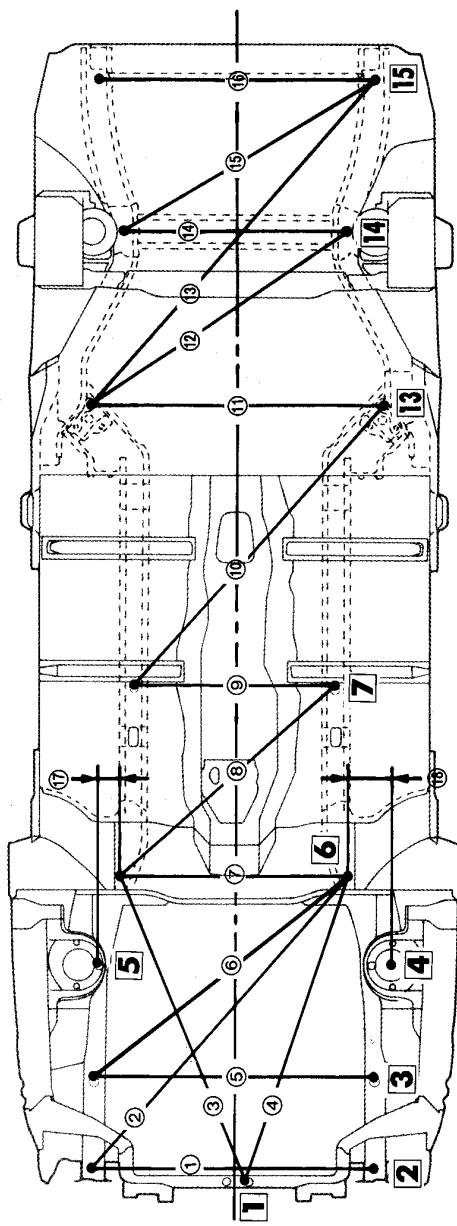
32A0113

NOTE: The  symbol indicates the frame centering gauge installation positions.

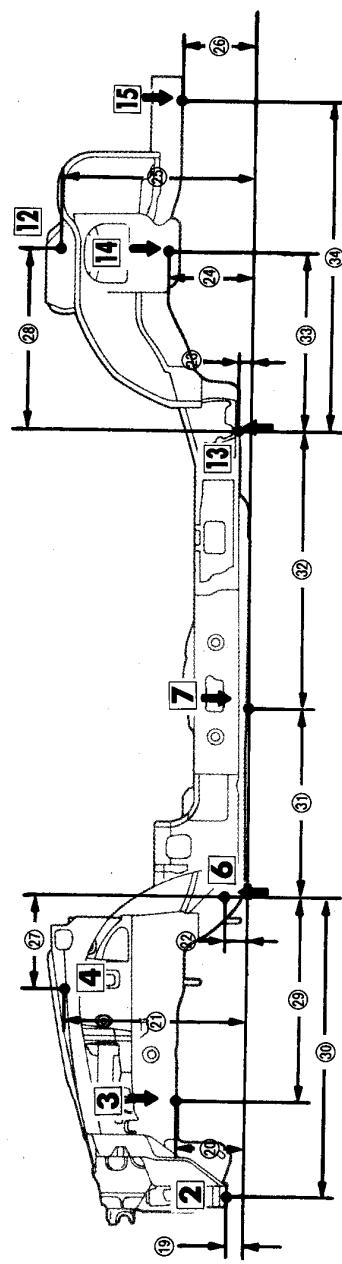
&lt;4WD&gt;

mm (in.)

No.	Length	No.	Length
①	980 (38.58)	②	636 (25.04)
②*	1,339 (52.73)	②	58 (2.28)
③	1,106 (43.55)	③	115 (4.53)
④	1,075 (42.34)	④	267 (10.51)
⑤	960 (37.80)	⑤	565 (22.24)
⑥*	1,143 (44.99)	⑥	238 (9.37)
⑦	800 (31.50)	⑦	312 (12.28)
⑧*	1,012 (39.85)	⑧	593 (23.35)
⑨	714 (28.11)	⑨	729 (28.70)
⑩*	1,282 (50.46)	⑩	1,001 (39.41)
⑪	1,020 (40.16)	⑪	672 (26.46)
⑫*	1,079 (42.48)	⑫	944 (37.17)
⑬*	1,501 (59.09)	⑬	595 (23.43)
⑭	780 (30.71)	⑭	1,128 (44.41)
⑮*	1,020 (40.17)	⑮	75 (2.95)
⑯	960 (37.80)	⑯	238 (9.37)
⑰*	71 (2.80)	⑰	140 (5.51)
⑱*	140 (5.51)	⑱	75 (2.95)
⑲	75 (2.95)	⑲	238 (9.37)



32A0143



32A0142

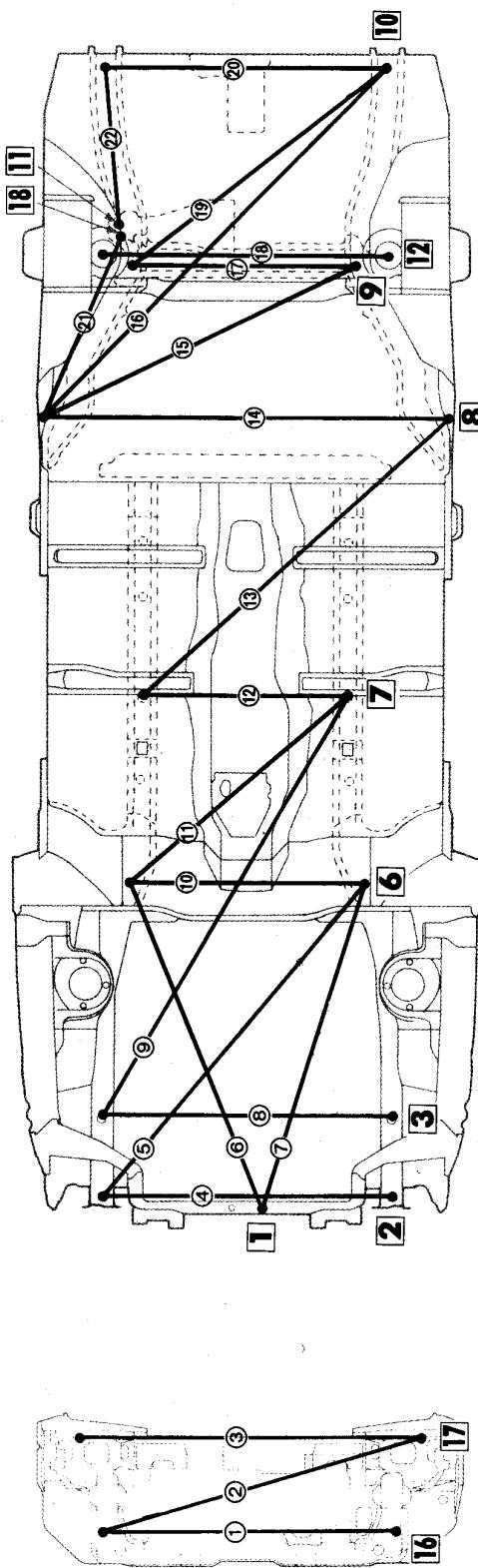
NOTE: The symbol indicates the frame centering gauge installation positions.

2

**TYPE B (ACTUAL-MEASUREMENT DIMENSIONS)**  
**UNDER BODY**  
**<2WD>**

mm (in.)

No.	①	②*	③	④	⑤*	⑥	⑦	⑧	⑨	⑩	⑪*
Length	1,000 (39.37)	1,139 (44.84)	1,170 (46.06)	980 (38.58)	1,340 (52.76)	1,106 (43.54)	1,075 (42.34)	960 (37.80)	1,649 (64.93)	800 (31.50)	1,014 (39.92)
No.	⑫	⑬*	⑭	⑮*	⑯*	⑰	⑯	⑯*	⑰	⑯	⑯
Length	714 (28.11)	1,384 (54.49)	1,330 (52.36)	1,208 (47.56)	1,607 (63.27)	800 (31.50)	968 (38.11)	1,060 (41.73)	960 (37.80)	635 (25.00)	493 (19.41)



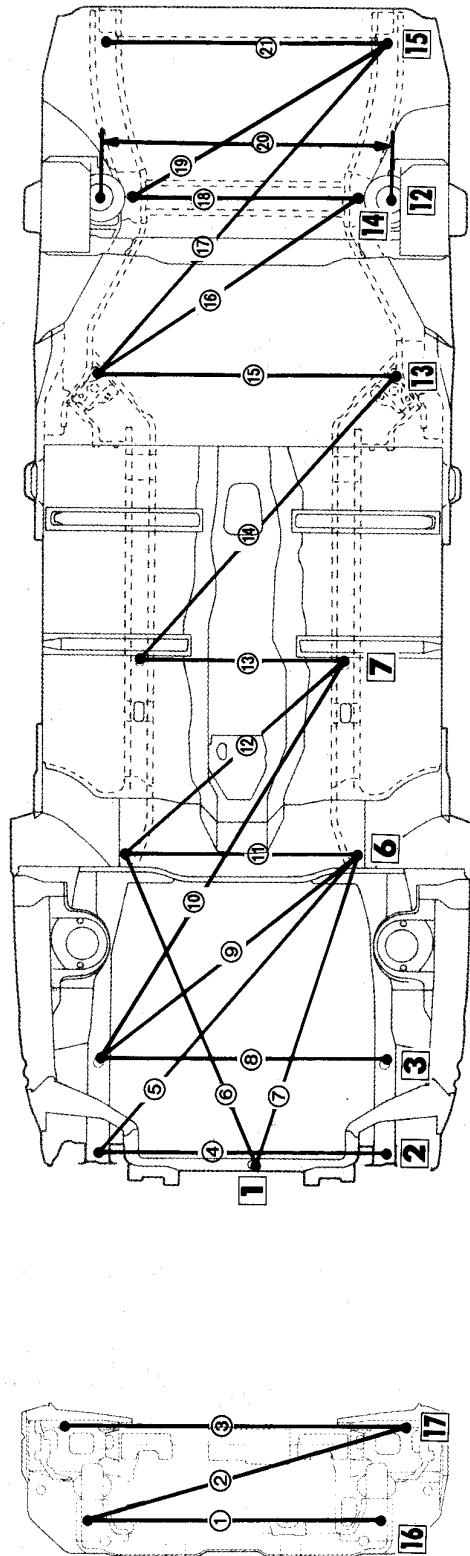
32A0115

32A0118

<4WD>

mm (in.)

No.	①	②*	③	④	⑤*	⑥	⑦	⑧	⑨*	⑩*	⑪
Length	1,000 (39.37)	1,139 (44.84)	1,170 (46.06)	980 (38.53)	1,340 (52.74)	1,106 (43.55)	1,075 (42.34)	960 (37.80)	1,157 (45.54)	1,649 (64.92)	800 (31.50)
No.	⑫*	⑬	⑭*	⑮	⑯*	⑰*	⑱	⑲*	⑳	㉑	㉒
Length	1,014 (39.92)	714 (28.11)	1,287 (50.66)	1,020 (40.16)	1,090 (42.90)	1,506 (59.29)	780 (30.71)	1,021 (40.19)	972 (38.27)	960 (37.80)	



e-mail

32A0144

## ENGINE COMPARTMENT

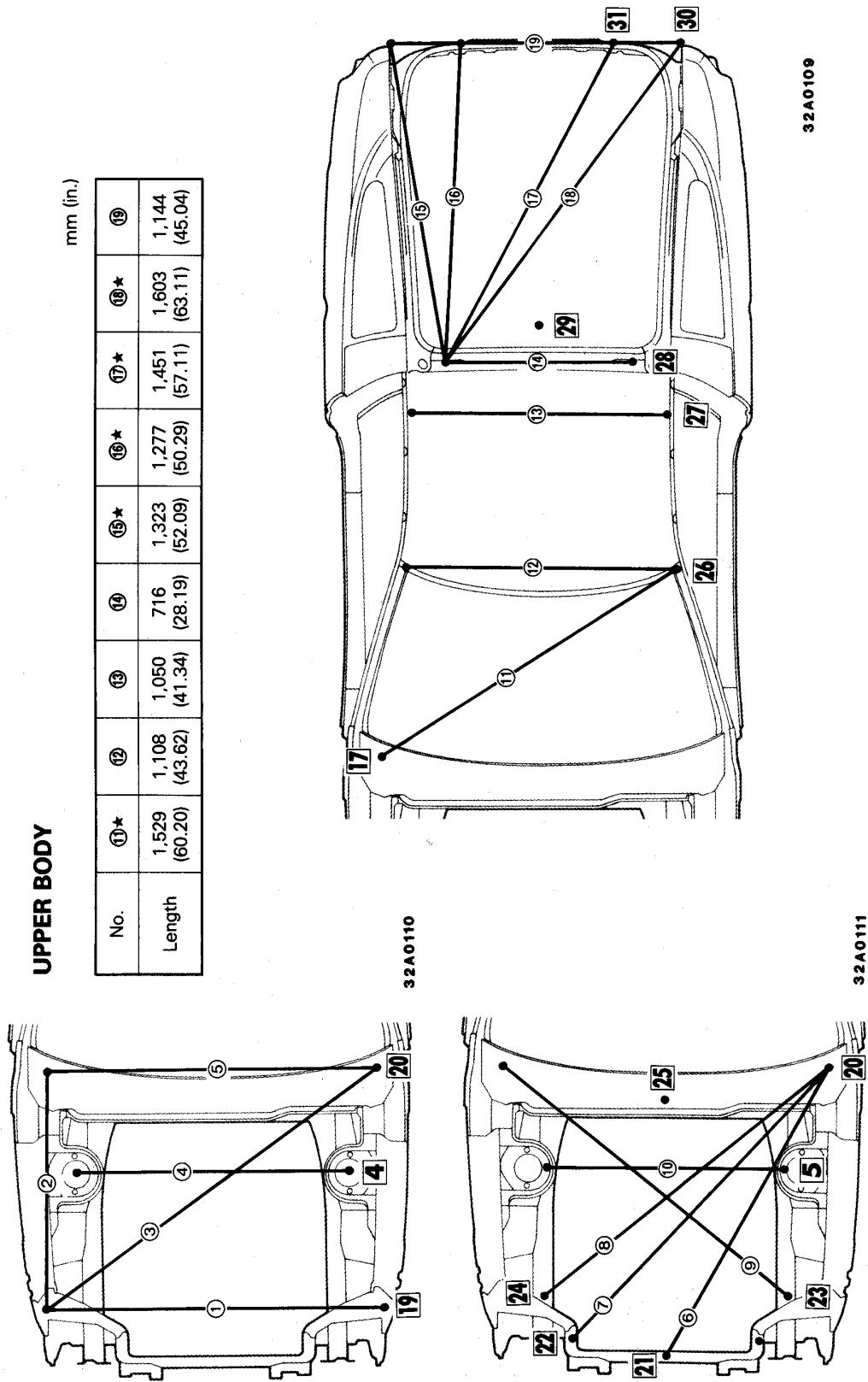
mm (in.)

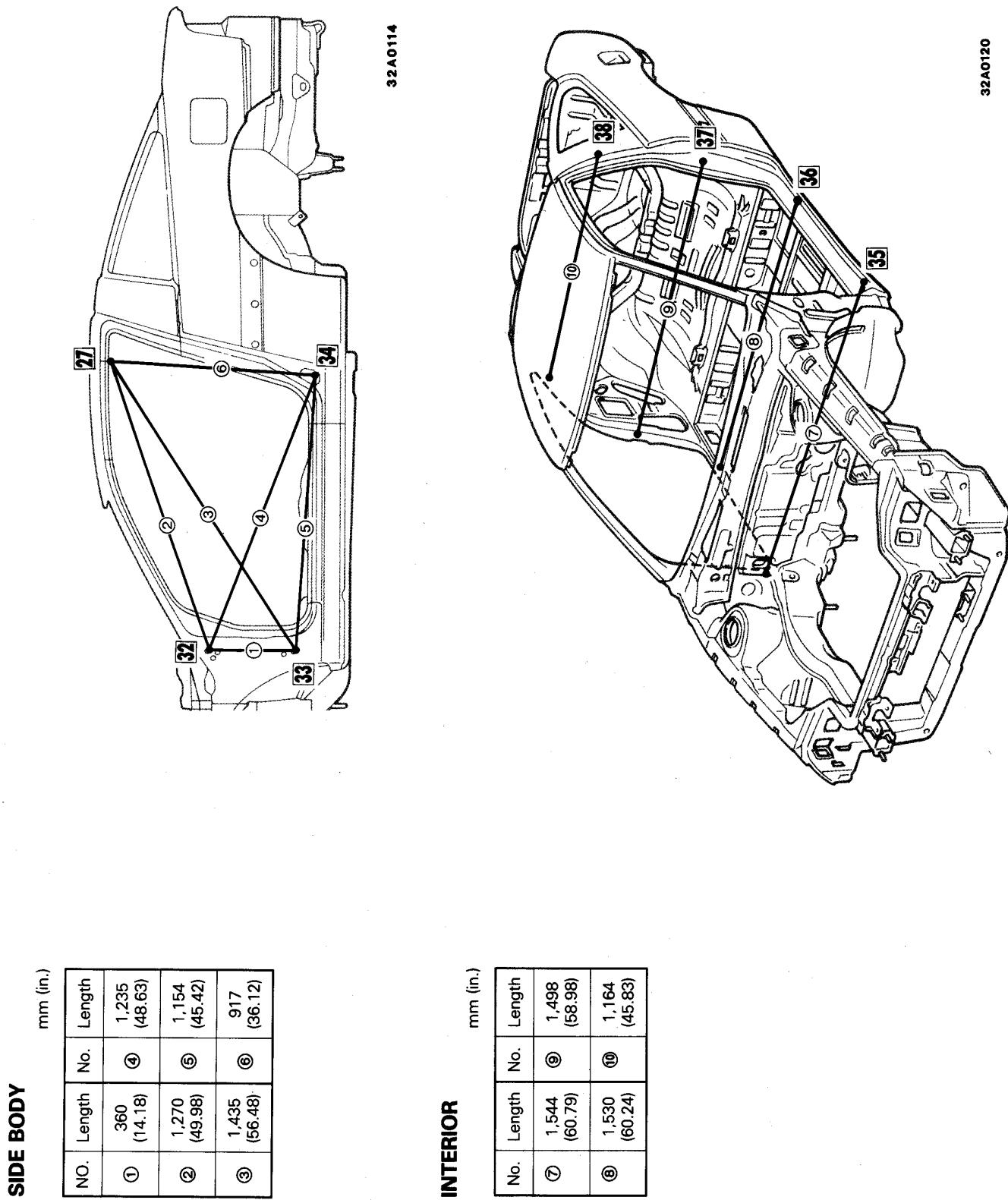
No.	①	②*	③*	④	⑤	⑥*	⑦*	⑧	⑨	⑩
Length	1,294 (50.95)	814 (32.06)	1,555 (61.22)	1,080 (42.52)	1,356 (53.39)	1,266 (49.86)	1,453 (57.22)	1,501 (59.09)	1,501 (59.09)	942 (37.09)

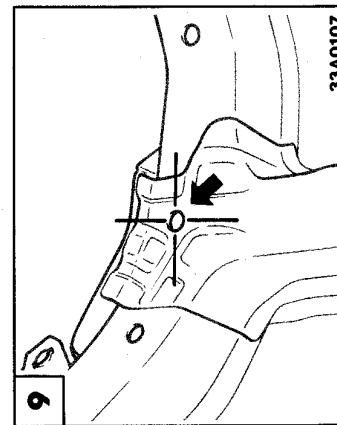
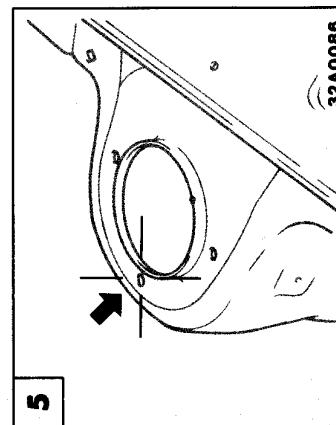
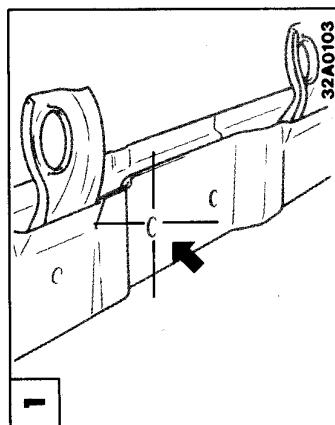
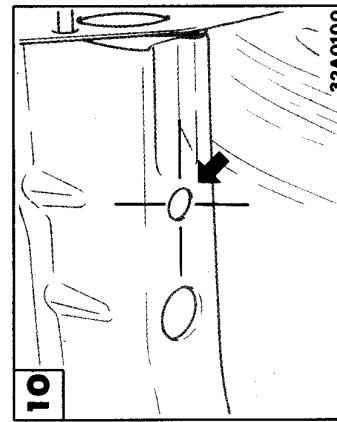
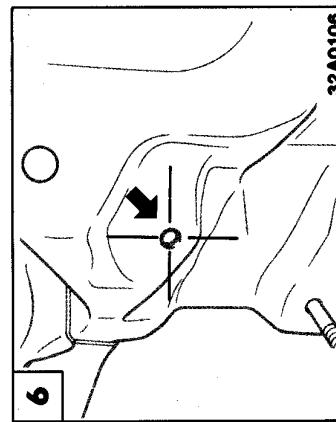
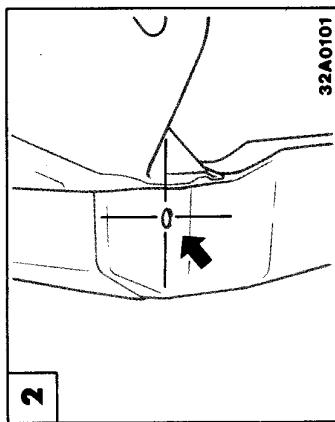
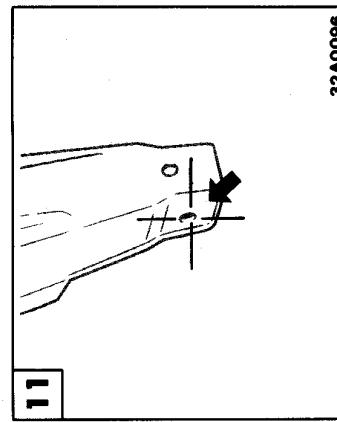
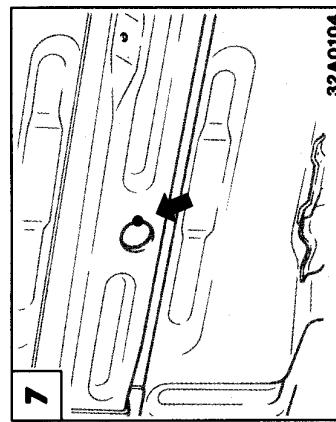
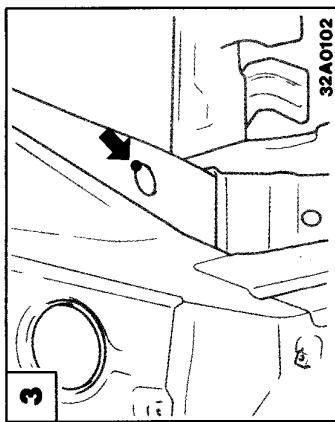
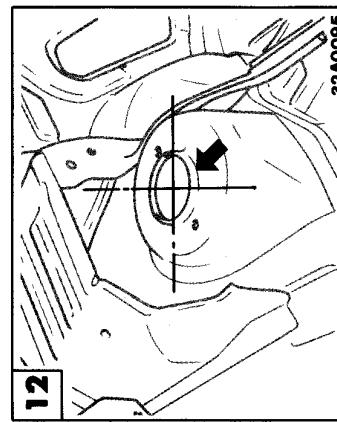
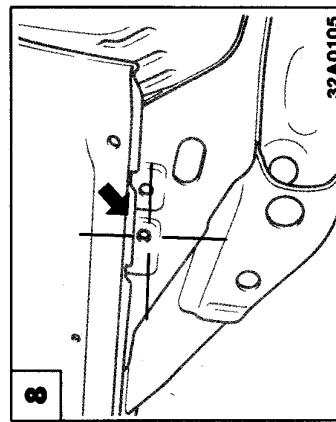
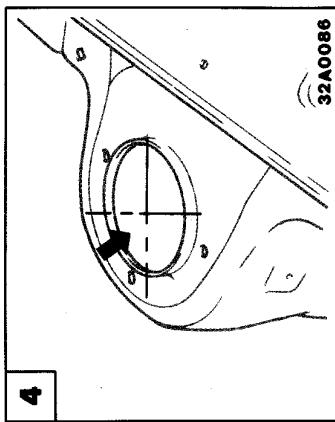
## UPPER BODY

mm (in.)

No.	⑪*	⑫	⑬	⑭	⑮*	⑯*	⑰*	⑯*	⑯*	⑯*
Length	1,529 (60.20)	1,108 (43.62)	1,050 (41.34)	716 (28.19)	1,323 (52.09)	1,277 (50.29)	1,451 (57.11)	1,603 (63.11)	1,603 (63.11)	1,144 (45.04)





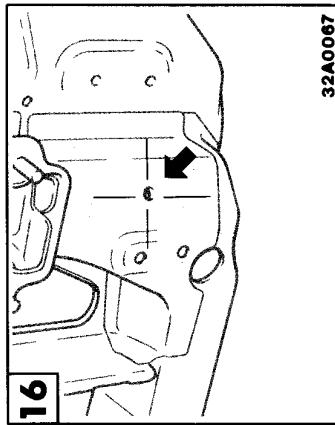


Centre of rear shock absorber mounting hole [diameter: 80mm (3.15in.)]

Centre of lateral rod bracket mounting hole [diameter: 12.2mm (0.48in.)]

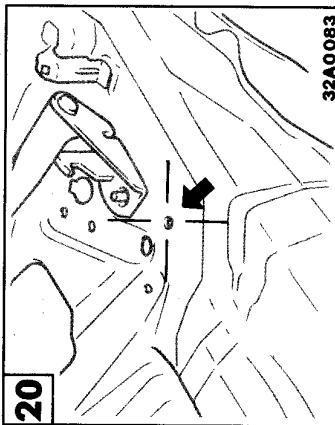
Centre of front end crossmember locating hole [diameter: 10mm (0.39in.)]

Centre of rear floor sidemember locating hole [diameter: 20mm (0.71in.)]



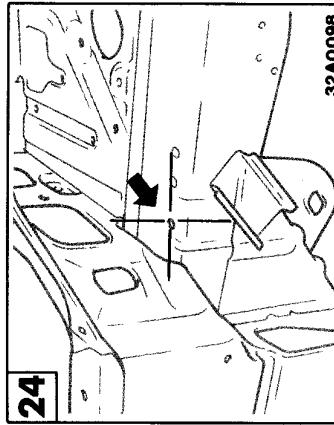
32A0087

Centre of sidemember to crossmember  
brace location hole [diameter: 10mm  
(0.39in.)]



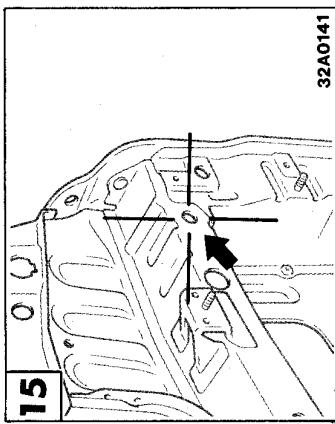
32A0083

Centre of front fender mounting hole  
[diameter: 9mm (0.35in.)]



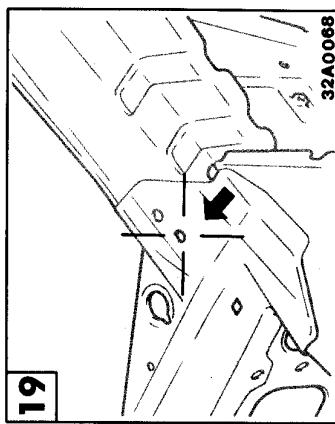
32A0088

Centre of harness clip mounting hole  
[diameter: 7mm (0.28in.)]



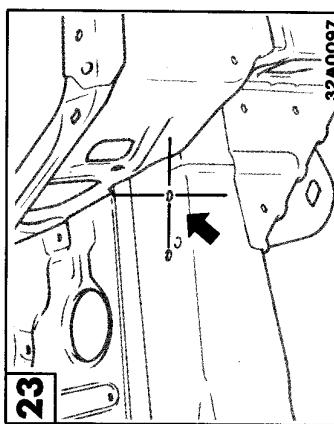
32A0141

Centre of rear sidemember locating hole  
[diameter: 20mm (0.79in.)]



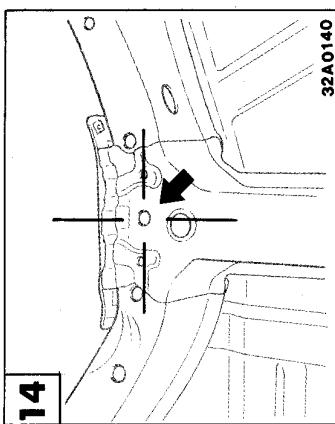
32A0088

Centre of front fender mounting hole  
[diameter: 8mm (0.32in.)]



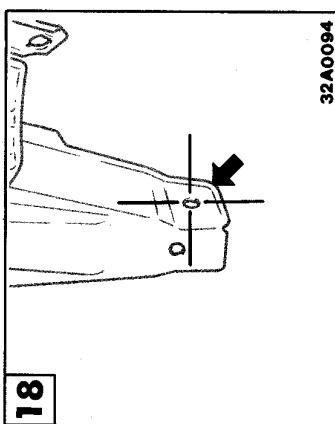
32A0097

Centre of harness clip mounting hole  
[diameter: 7mm (0.28in.)]



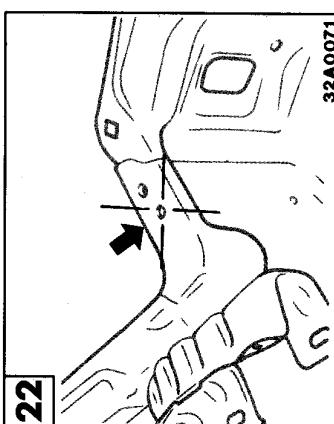
32A0140

Centre of differential support member  
mounting hole [diameter: 20mm  
(0.79in.)]



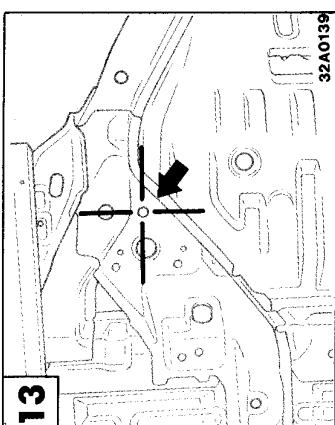
32A0084

Centre of lateral rod bracket mounting  
hole [diameter: 12.2mm(0.48in.)]



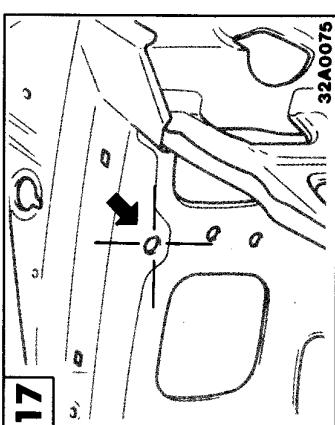
32A0071

Centre of front end upper bar location  
hole [diameter: 8mm (0.32in.)]



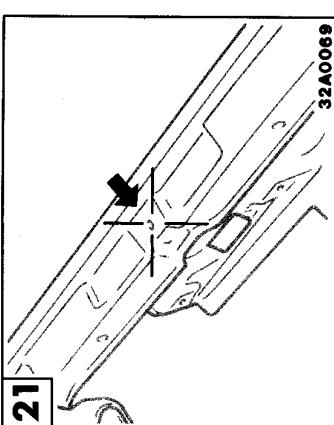
32A0039

Centre of crossmember mounting hole  
[diameter: 15mm (0.59in.)]



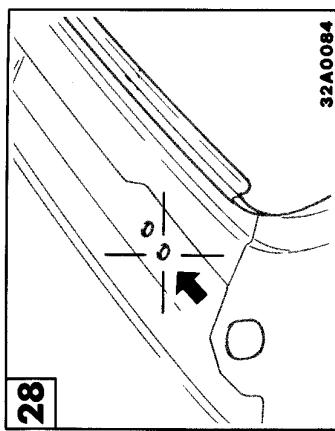
32A0075

Centre of headlight motor mounting hole  
[diameter: 11mm (0.43in.)]

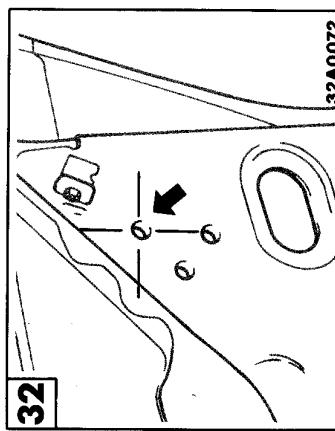


32A0069

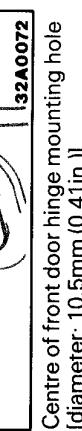
Body centre reference hole  
[diameter: 6mm (0.24in.)]



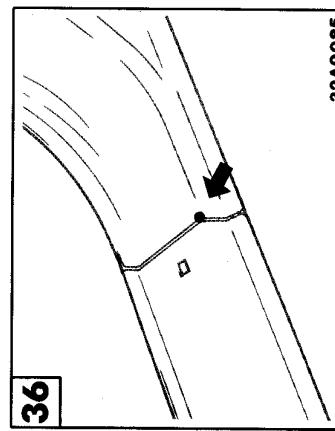
32A0074  
Joint of roof and front pillar



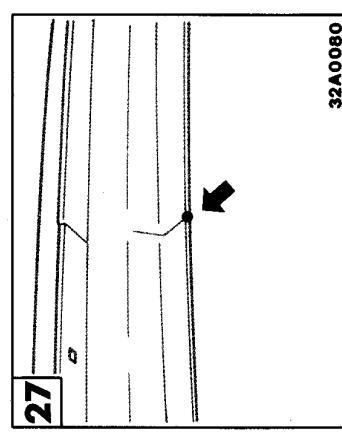
32A0093  
Body centre point reference location



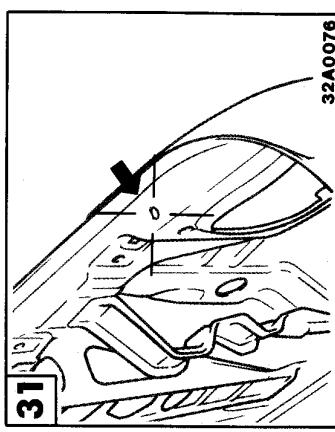
32A0096  
Centre of tailgate damper mounting hole  
[diameter: 6.6 mm (0.26in.)]



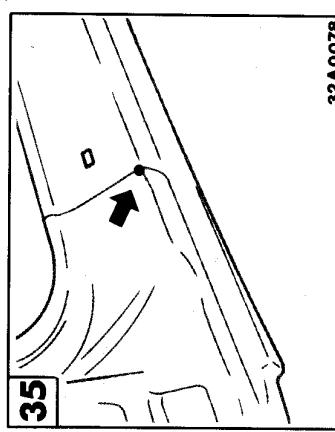
32A0072  
Centre of tailgate hinge mounting hole  
[diameter: 12mm (0.47in.)]



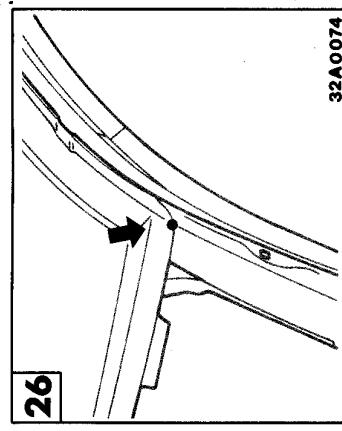
32A0080  
Joint of centre pillar outer and side roof rail outer



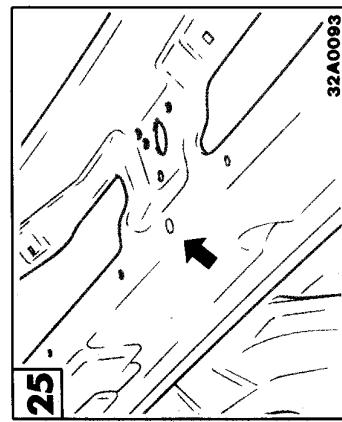
32A0078  
Centre of front door hinge mounting hole  
[diameter: 10.5mm (0.41in.)]



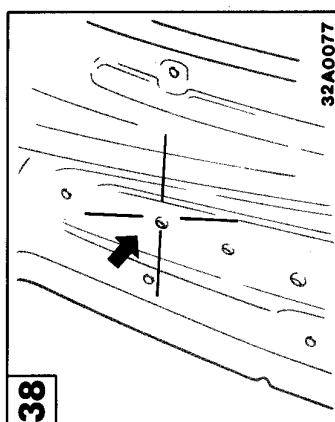
32A0070  
Rear door switch mounting hole



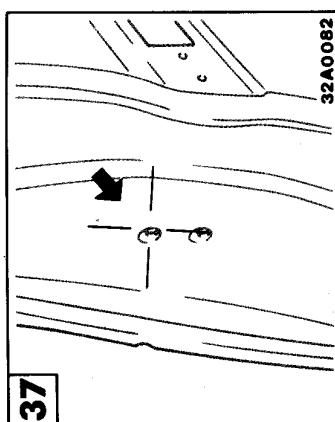
32A0078  
Joint of front pillar and side sill



32A0070  
Centre of front door hinge mounting hole  
[diameter: 10.5mm (0.41in.)]



Centre of seat belt rail mounting hole  
[diameter: 11mm (0.43in.)]



Centre of front door striker mounting hole  
hole [diameter: 14mm (0.55in.)]