

REPORTS FILE A200073

**VEHICLE, ENGINE,
AND TRANSMISSION
PROGRAM TIMING DIRECTORIES**

Office for the Study of
Automotive Transportation
—OSAT—



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VEHICLE, ENGINE, AND TRANSMISSION PROGRAM TIMING DIRECTORIES

Our Vehicle, Engine, and Transmission Program Timing Directories provide a substantial piece of the information puzzle that companies must fit together to form a complete strategic outlook. In this regard, we hope to provide value by distilling a wide range of information sources into a format that can be used in your own market intelligence effort.

The data we rely upon is primarily collected from public sources, including *Automotive News*, *Ward's Automotive Report*, *Ward's Auto Dealer*, *Automotive Industries*, *Motor Trend*, *Car and Driver*, *Road & Track*, other trade magazines, journals, conference papers, and printed reports. We also interject our professional opinion. Our objective is to collect, organize, and present reported data for your reaction. Much of the data is speculative: some programs have funding and tooling contacts have been released; for others, only "spy" photos suggest viable programs.

We caution you that while the data is the best available to us, it is probably not completely accurate. The directories should be useful as a base for private questioning between OEM and supplier, supplier and supplier, consultant and client, and so forth, but this information, by itself, should probably not be used for investment or strategic decisions.

We welcome your comments on these directories and suggestions for format changes, text corrections, or other non-program specific corrections. We are not asking for program-specific corrections because we want the directories to remain dependent upon public information sources. Please contact David J. Andrea, Assistant Research Scientist, at (313) 764-5592 with your comments or corrections.

General Motors Corporation
VEHICLE PROGRAM TIMING

Product Planning Chart Definitions

Geo Metro ————— Nameplate

M-body 2,4,C

Mini: Basic

Platform Designation And *Body Style*:

2 - 2 Door

4 - 4 Door

W - Station Wagon

C - Convertible

Product Segmentation: Market Orientation

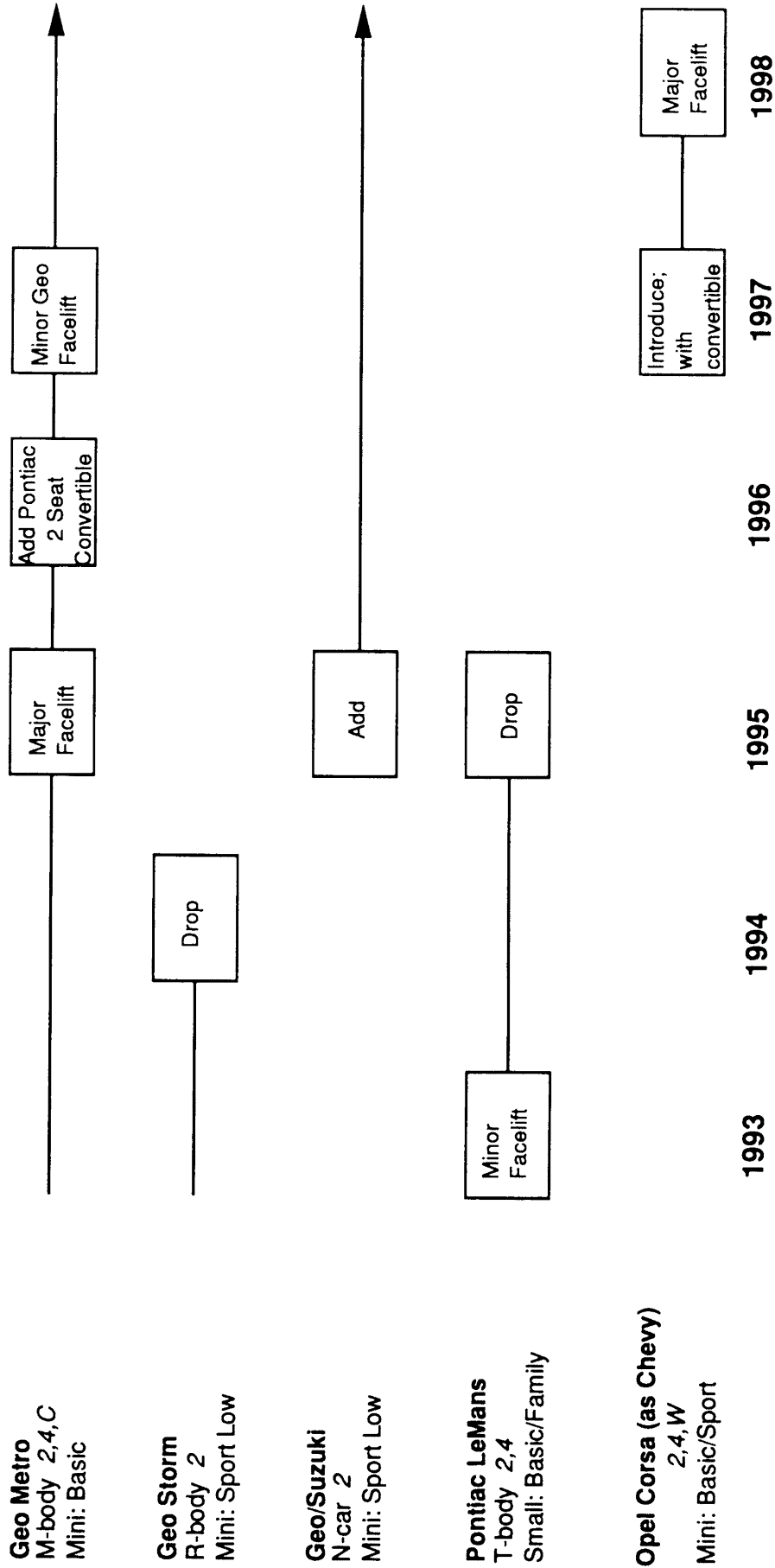
Passenger Car

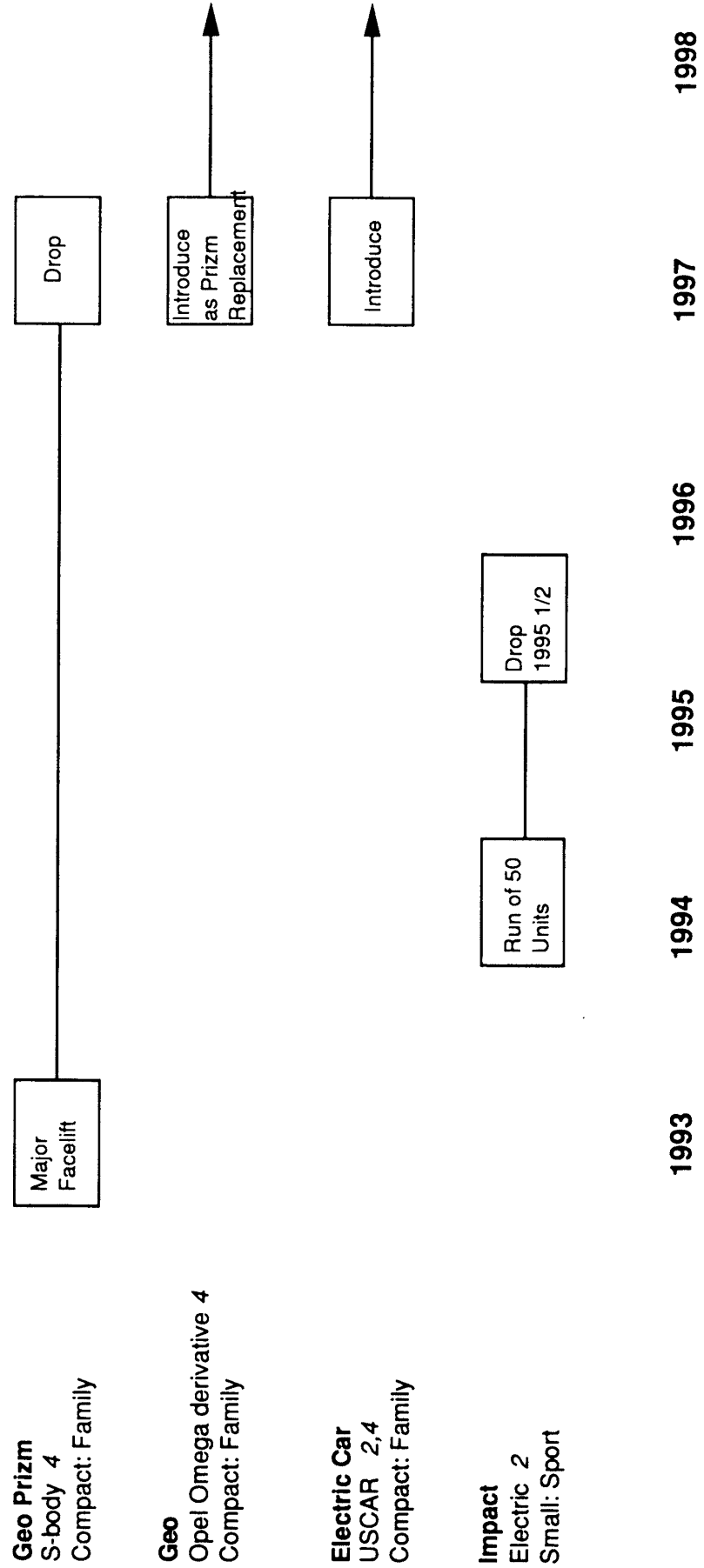
Mini:	Sport Basic
Small:	Basic Family Wagon Sport/Coupe
Compact:	Family Wagon Sport/Coupe
Mid:	Family Sport/Coupe Wagon
Large:	Family Wagon Traditional
Luxury:	Entry Prestige Traditional Sport
Sport:	Low Mid Prestige/High

Product Segmentation: Market Orientation

Truck

Mini:	Utility Pickup
Compact:	Utility Pickup Van
Midsize:	Pickup Van Utility
Fullsize:	Van Pickup Utility



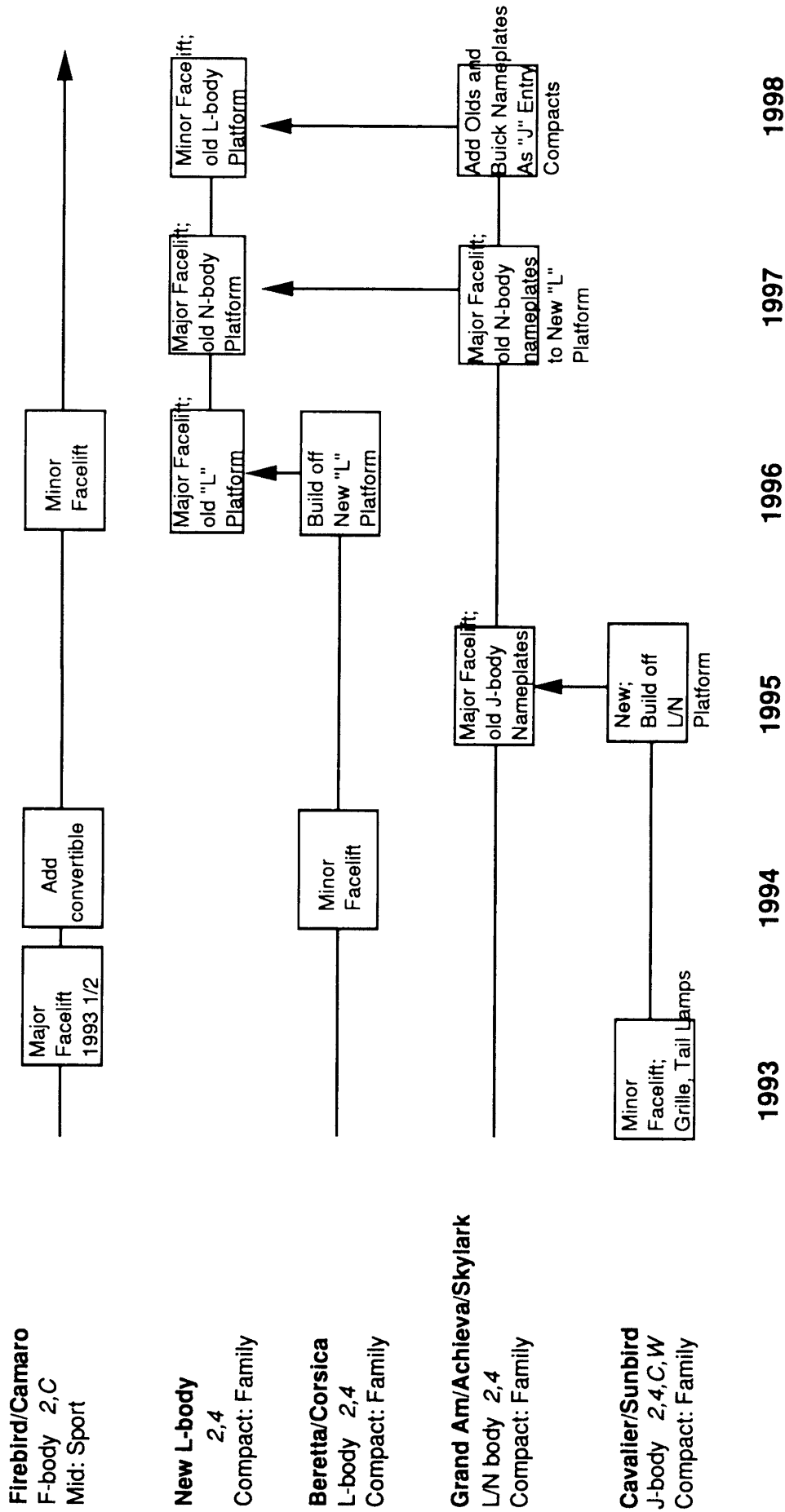


Geo Prizm
S-body 4
Compact: Family

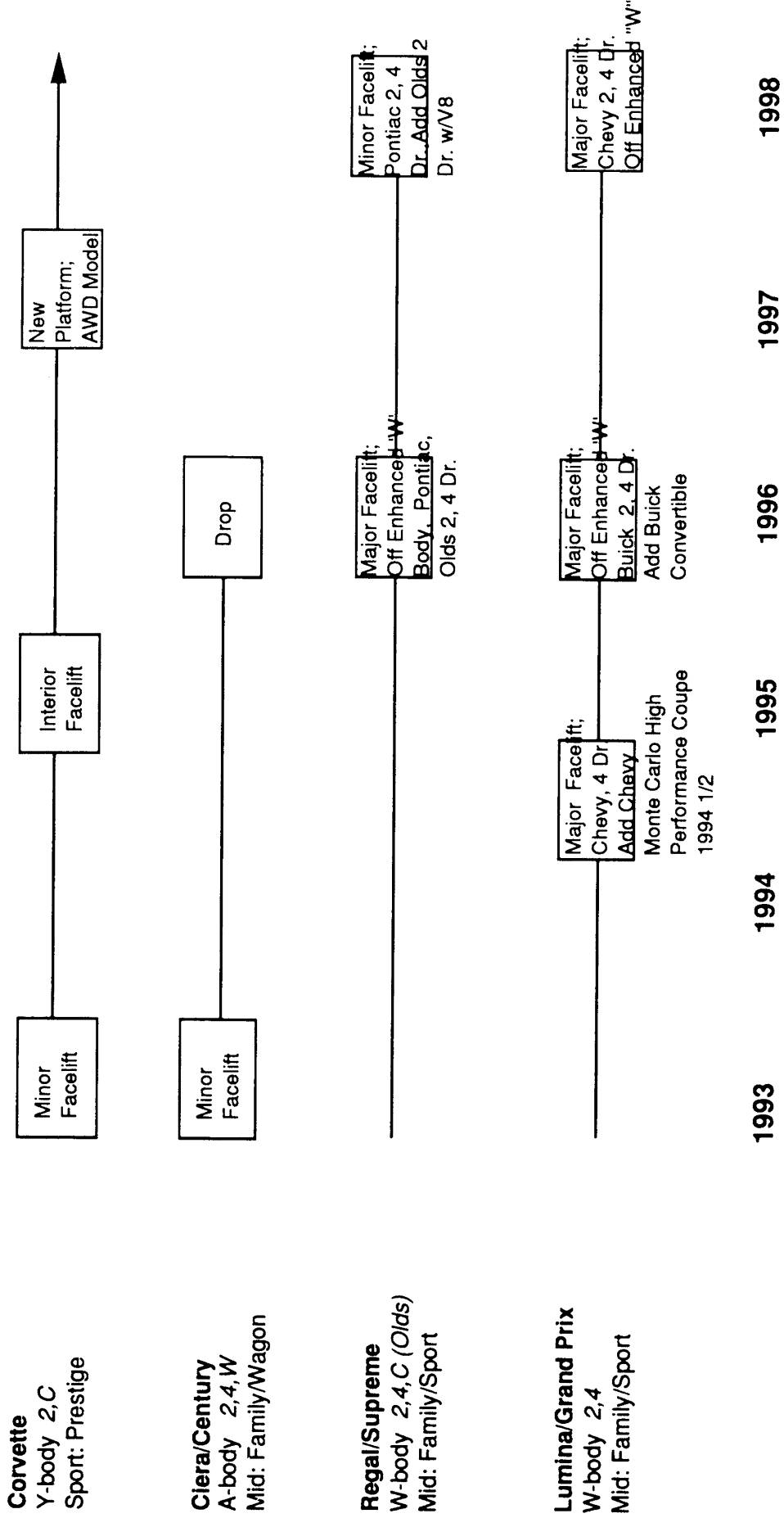
Geo
Opel Omega derivative 4
Compact: Family

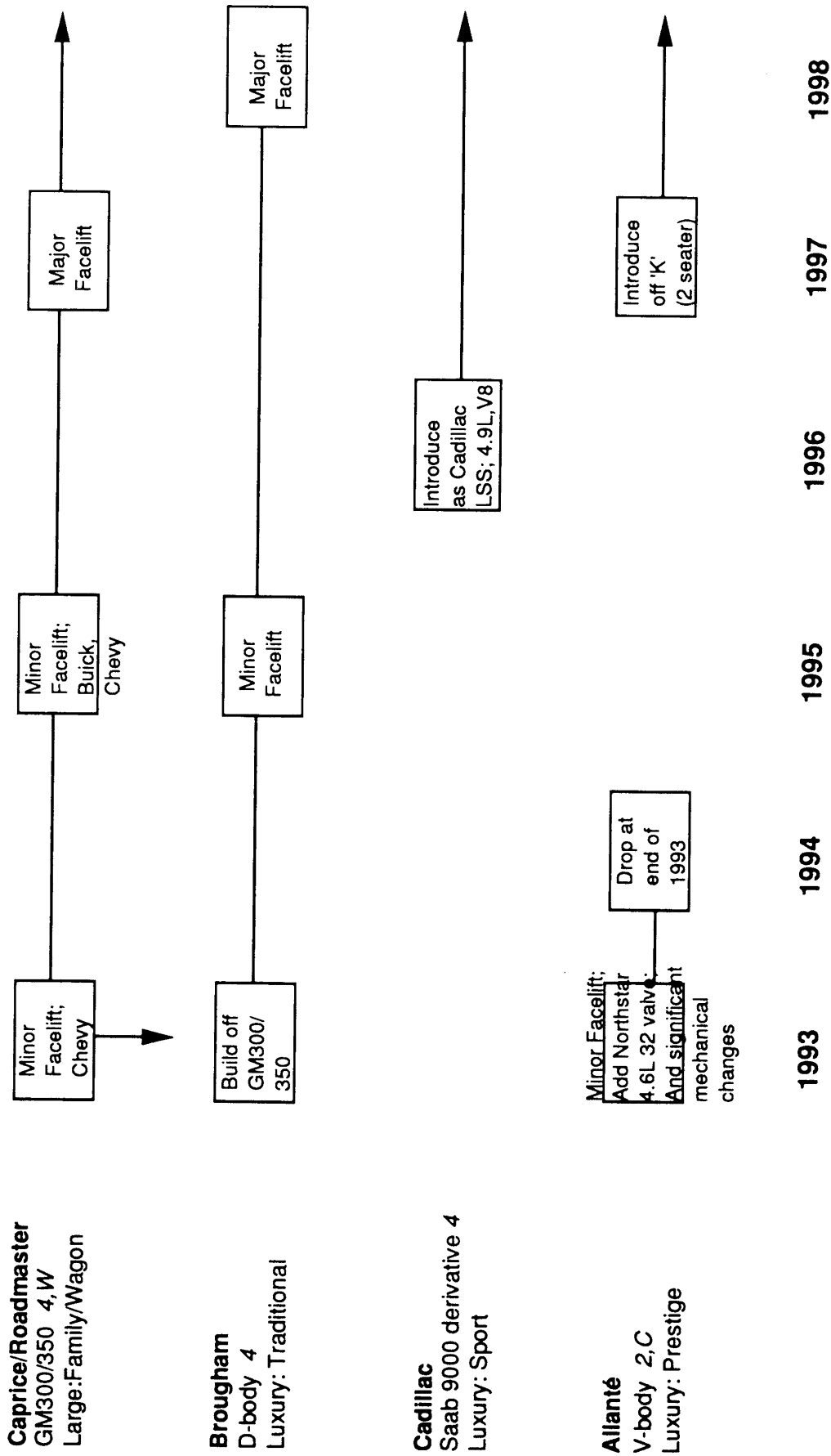
Electric Car
USCAR 2,4
Compact: Family

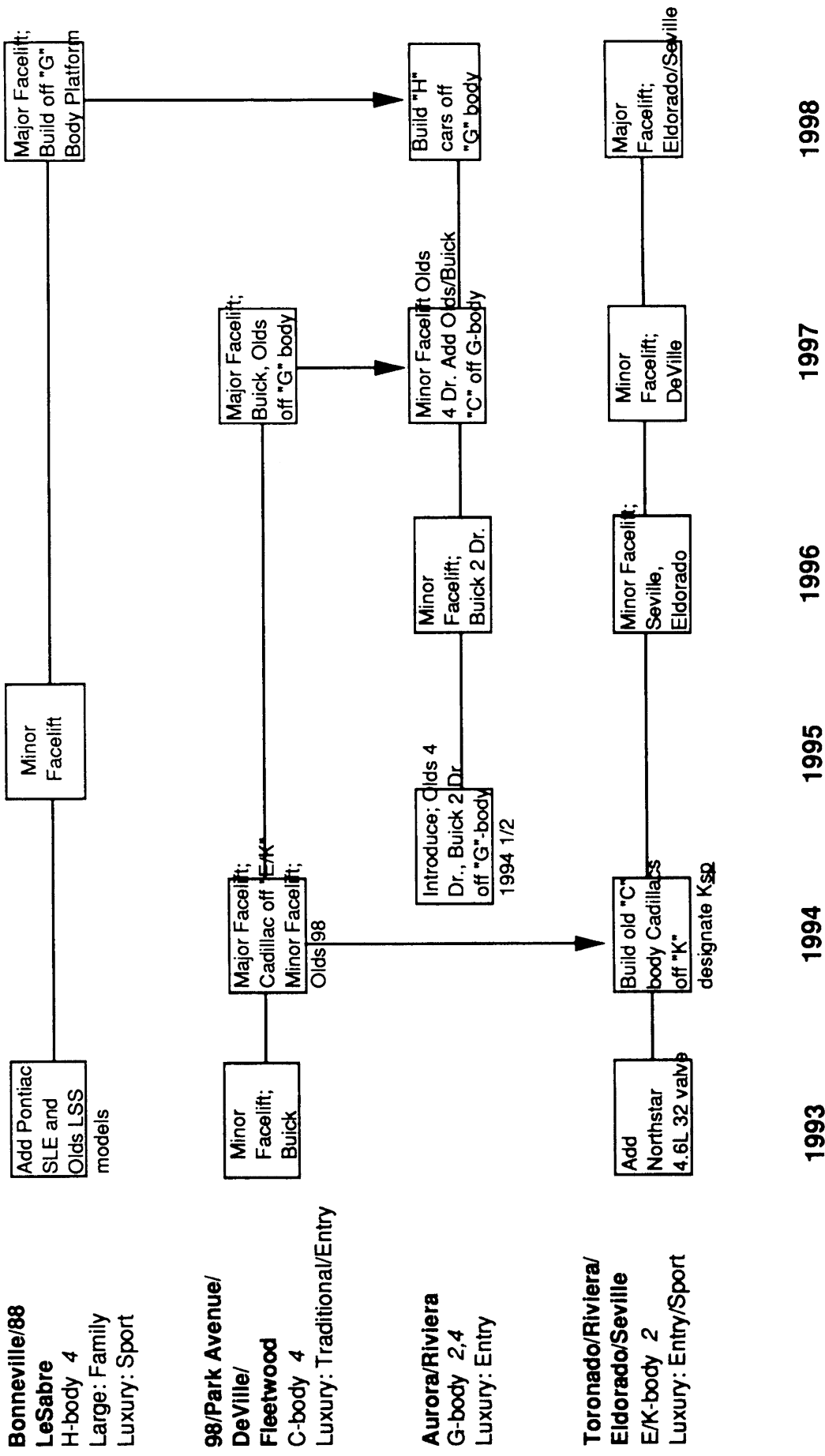
Impact
Electric 2
Small: Sport



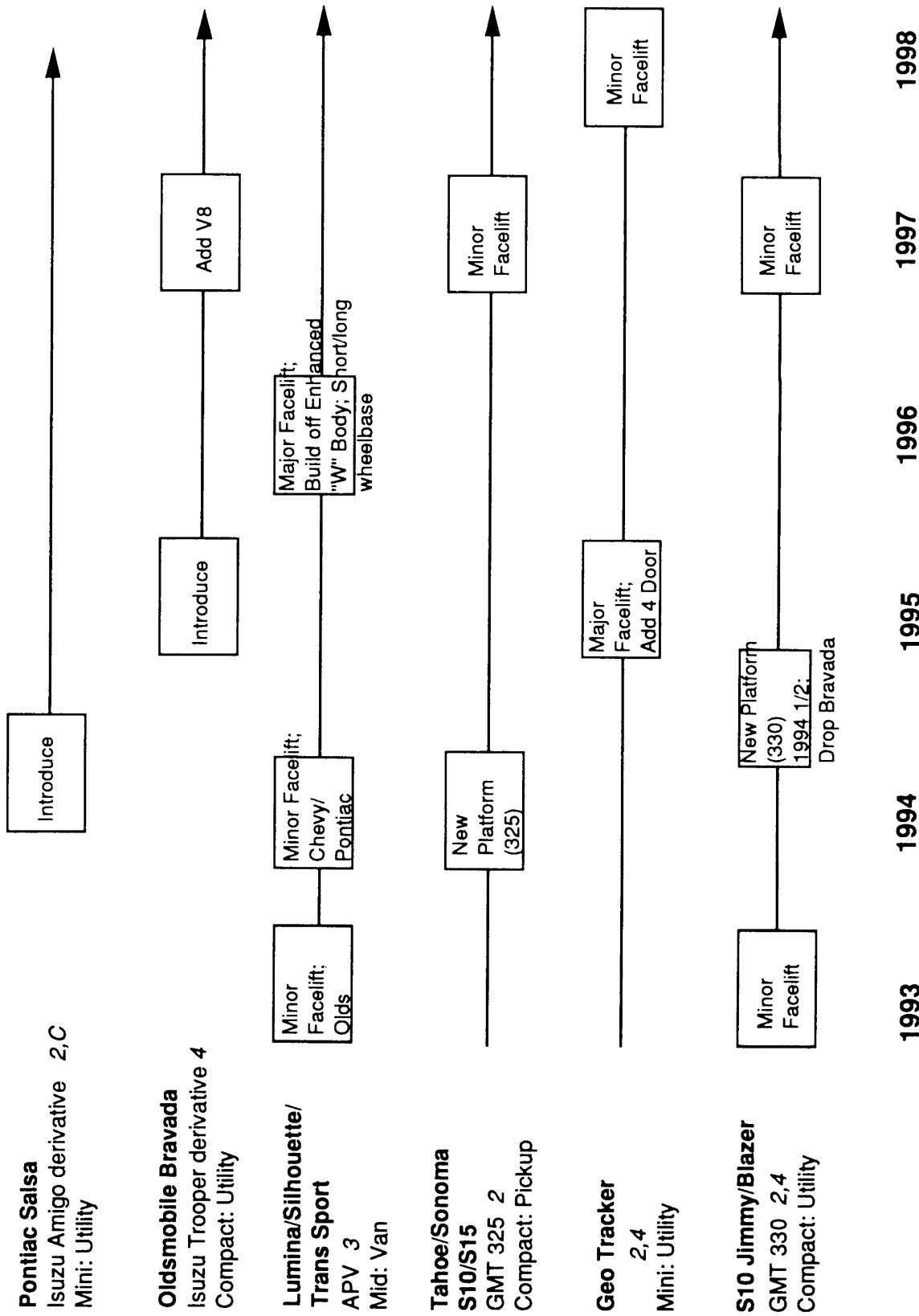
General Motors Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



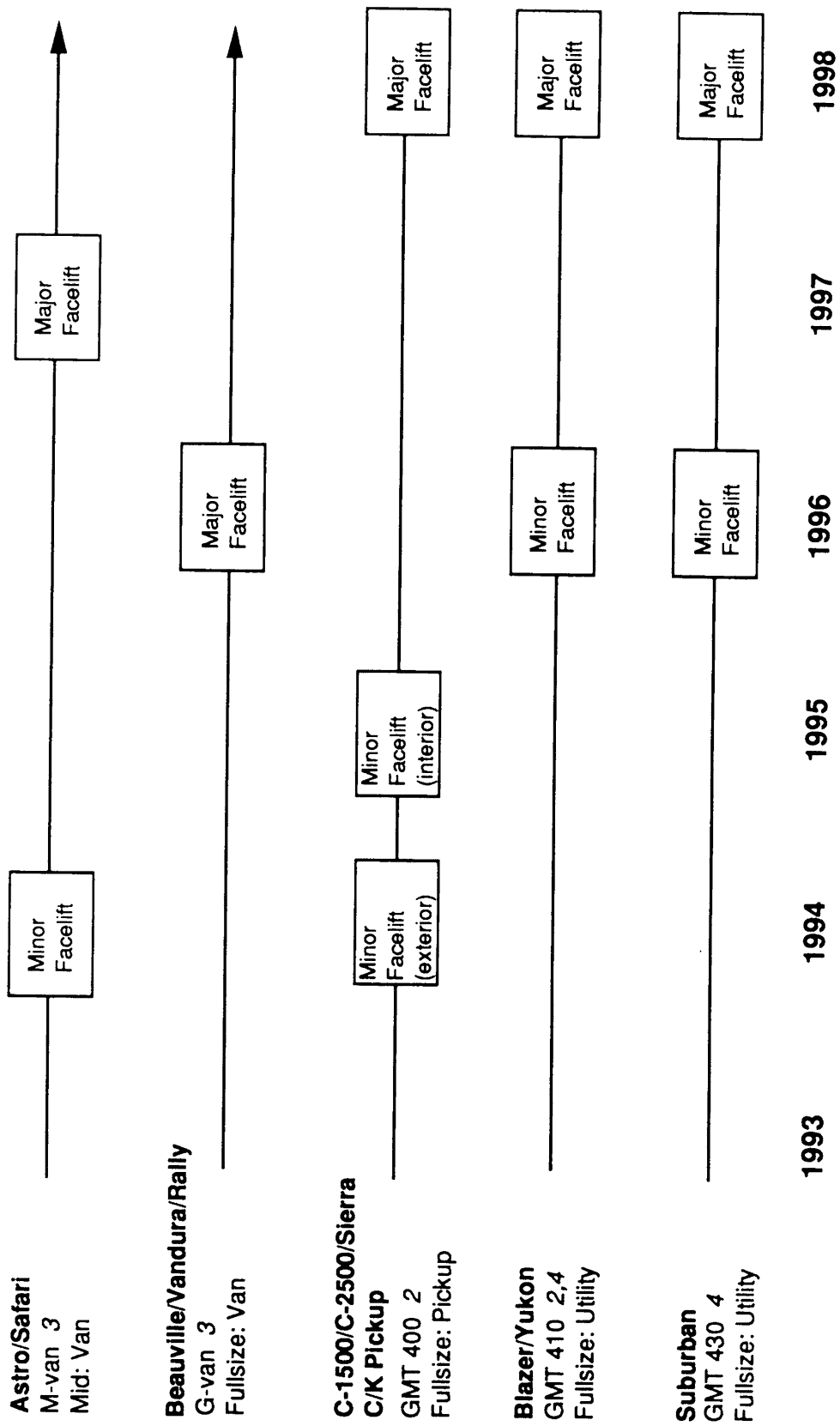




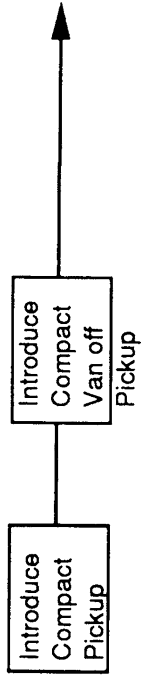
General Motors Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



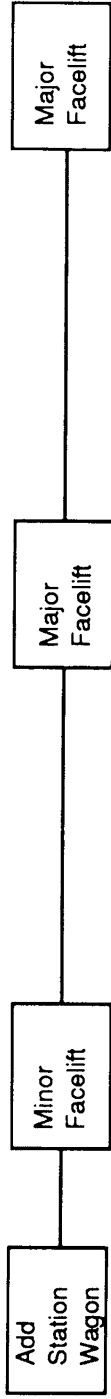
General Motors Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



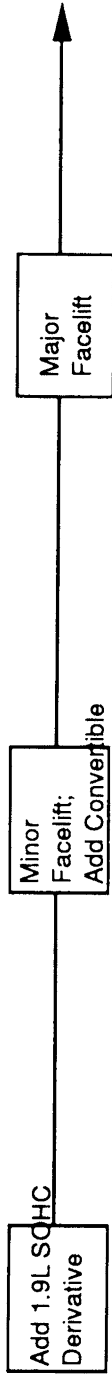
Saturn Truck
 Z-body 2,3
 Compact:
 Pickup/Van



Saturn Sedan
 Z-body 4
 Compact: Family



Saturn Coupe
 Z-body 2,C
 Compact: Sport



Saturn
 4
 Mid: Family



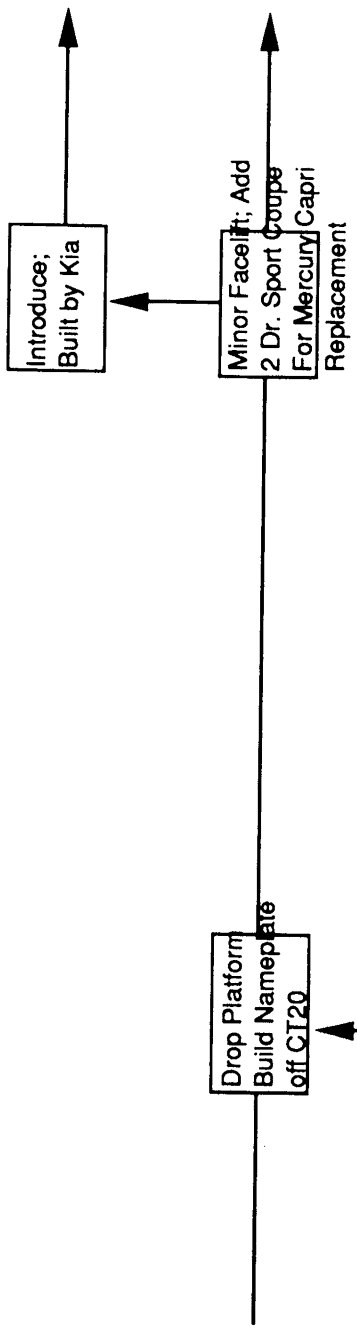
Ford Motor Company

VEHICLE PROGRAM TIMING

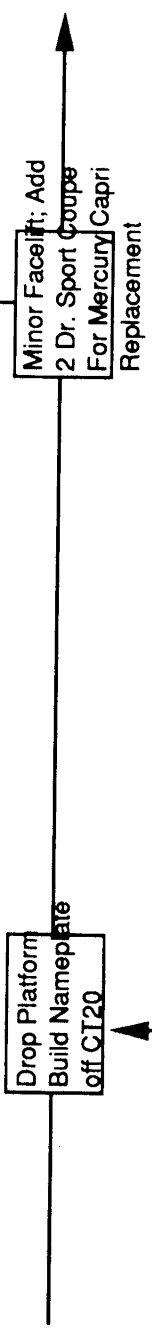
Capri
 CT18 2,C
 Sport: Low



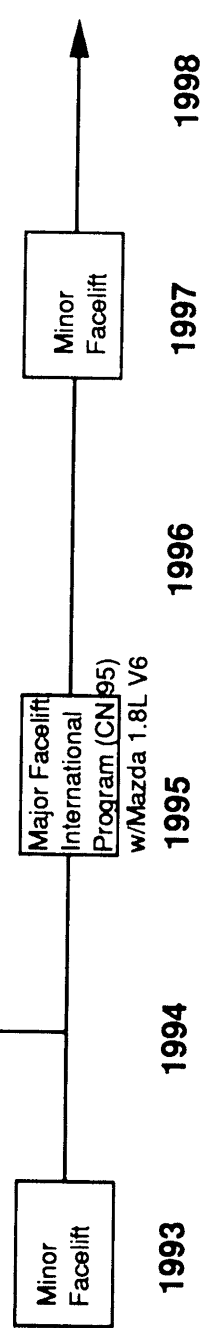
Capri Replacement
 BT17 derivative 2,C
 Sport: Low

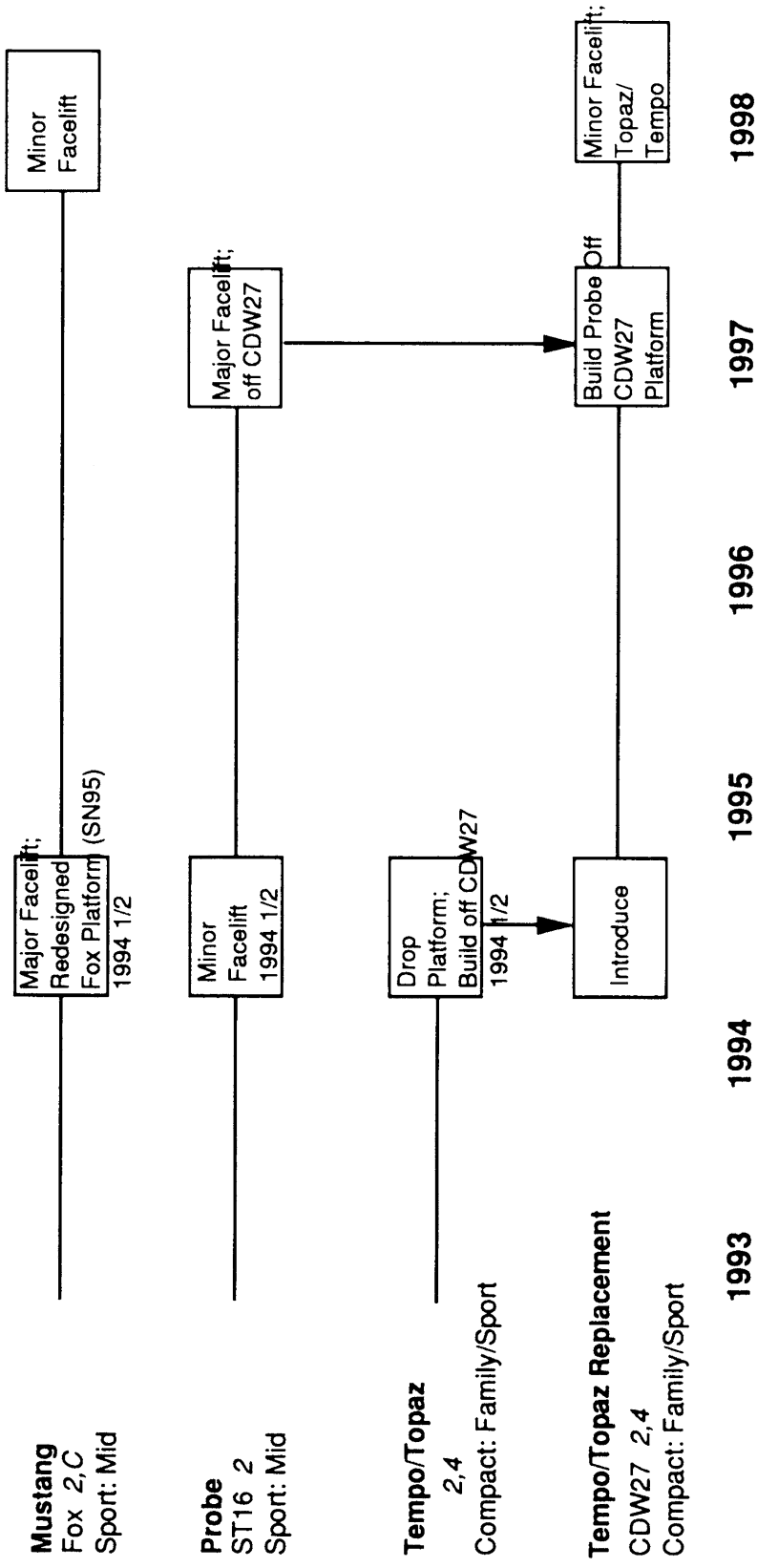


Festiva
 BT 17 2,4
 Small: Basic

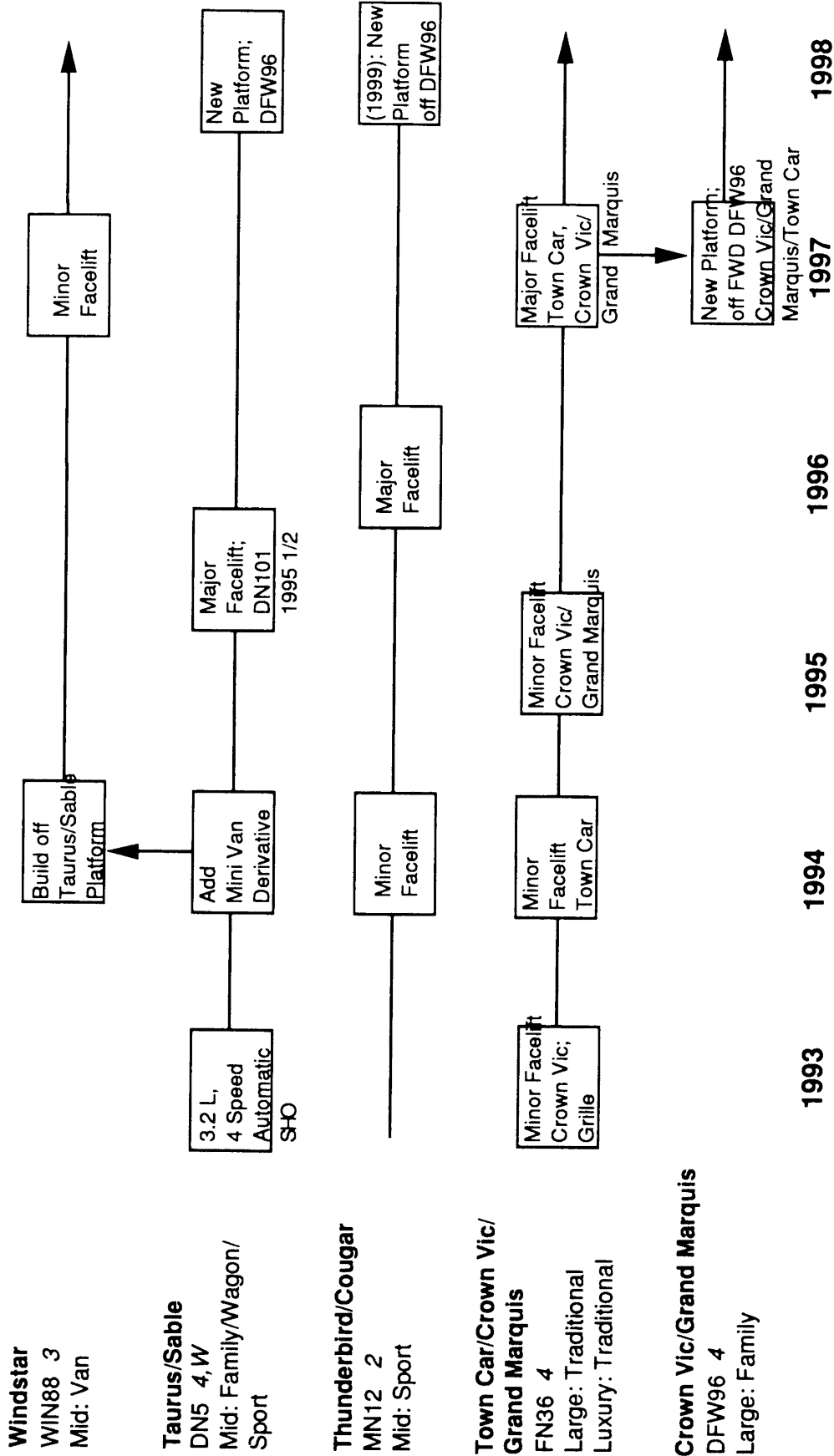


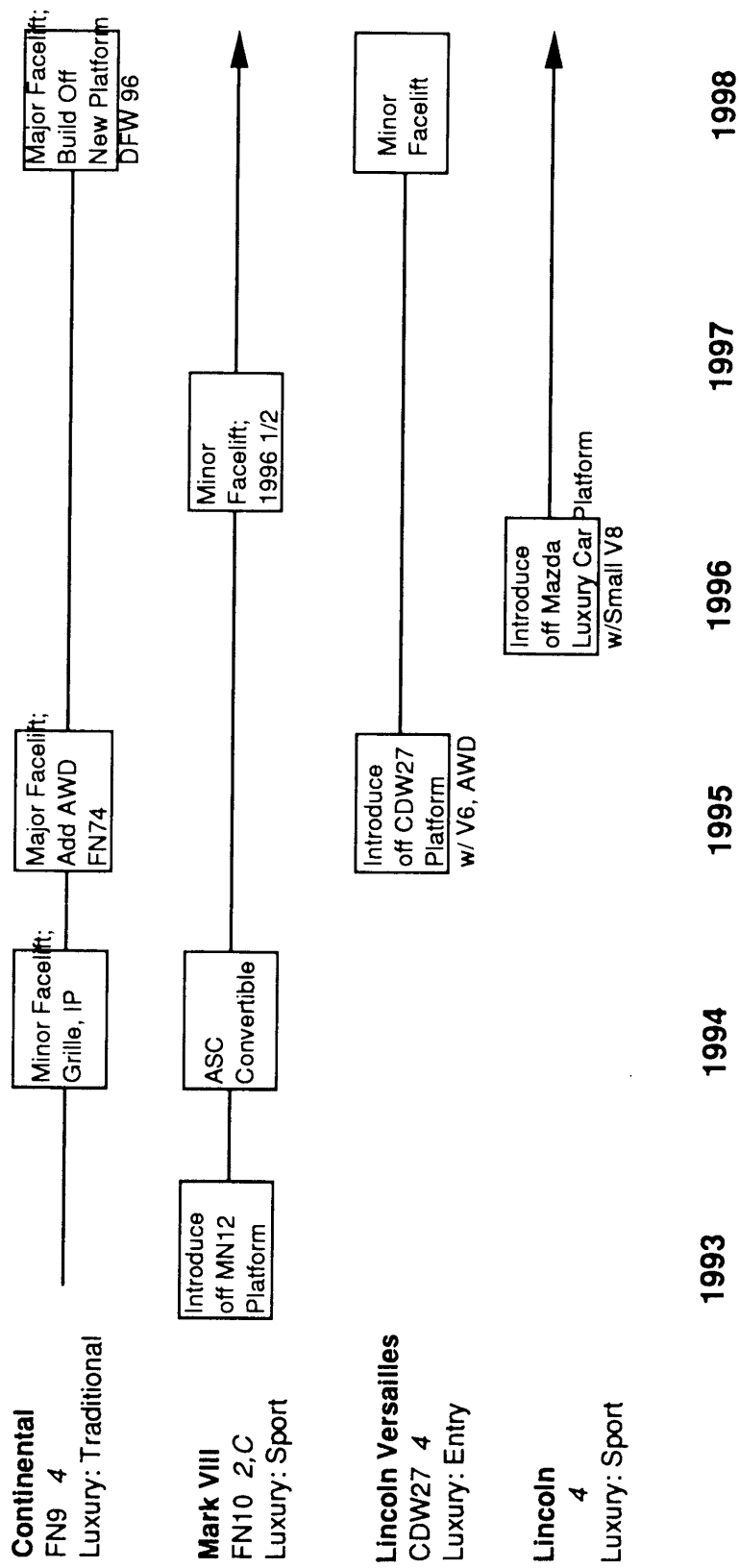
Escort/Tracer
 CT20 2,4,W
 Small: Basic/Family/
 Wagon/Sport

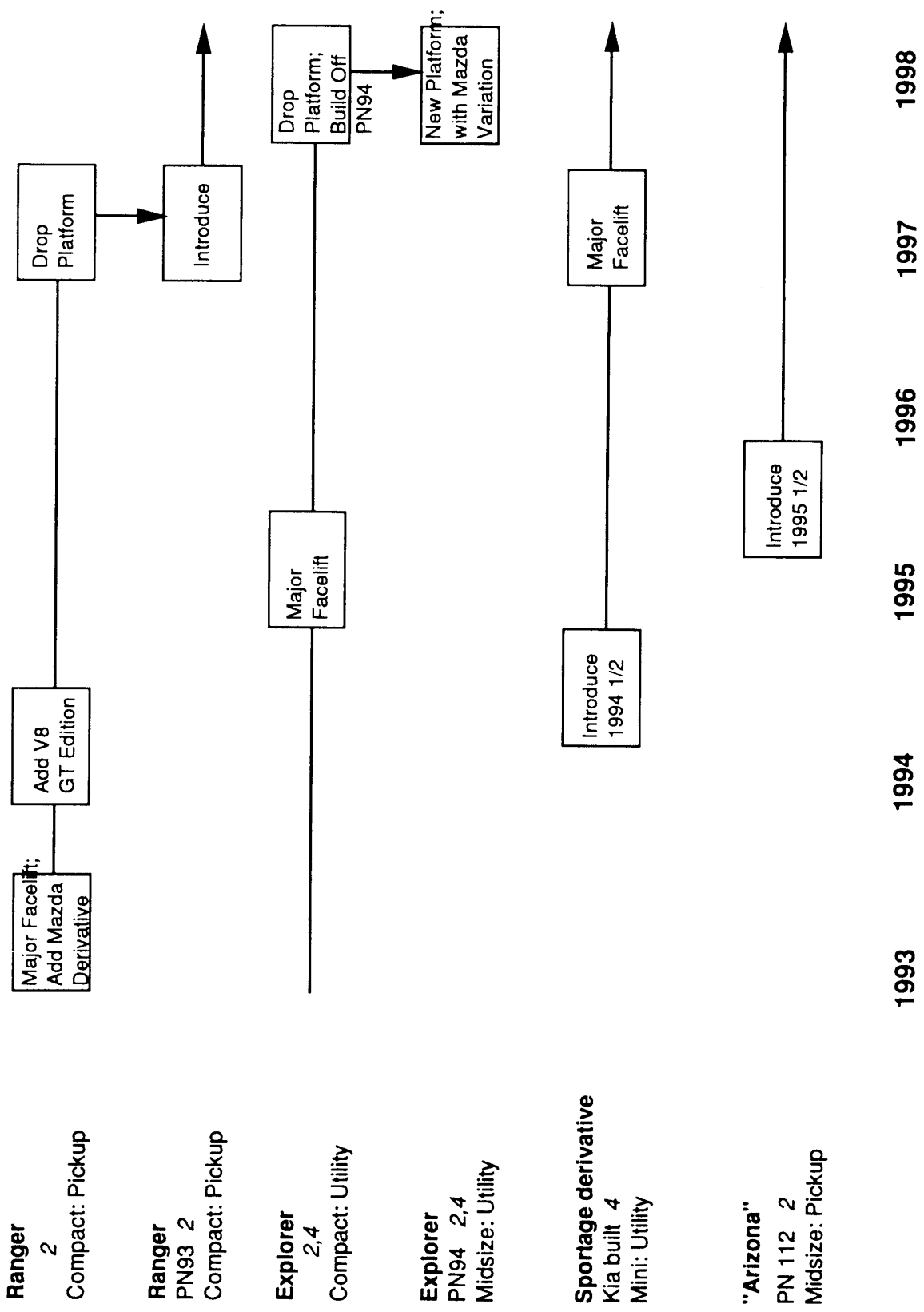


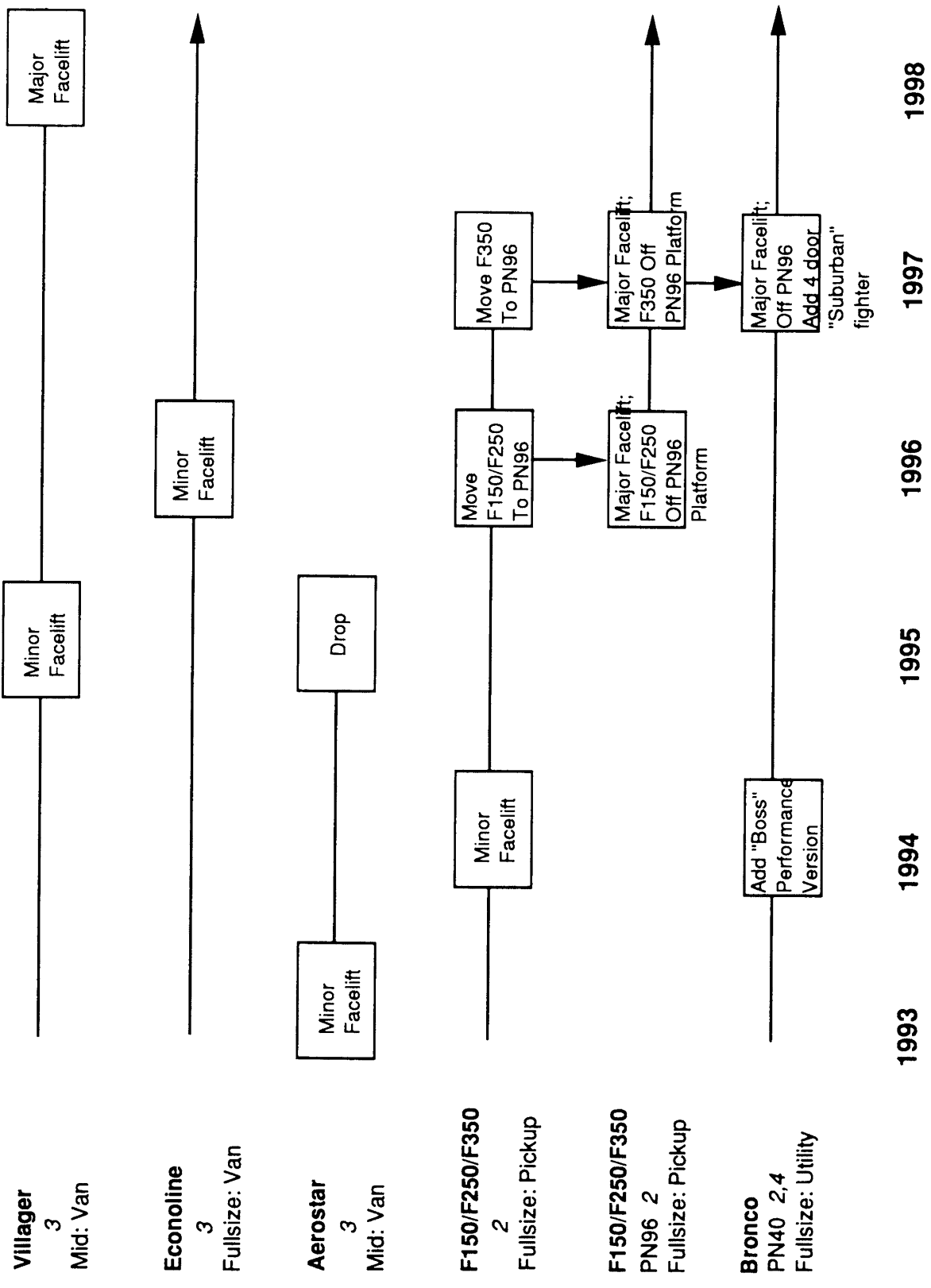


Ford Motor Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



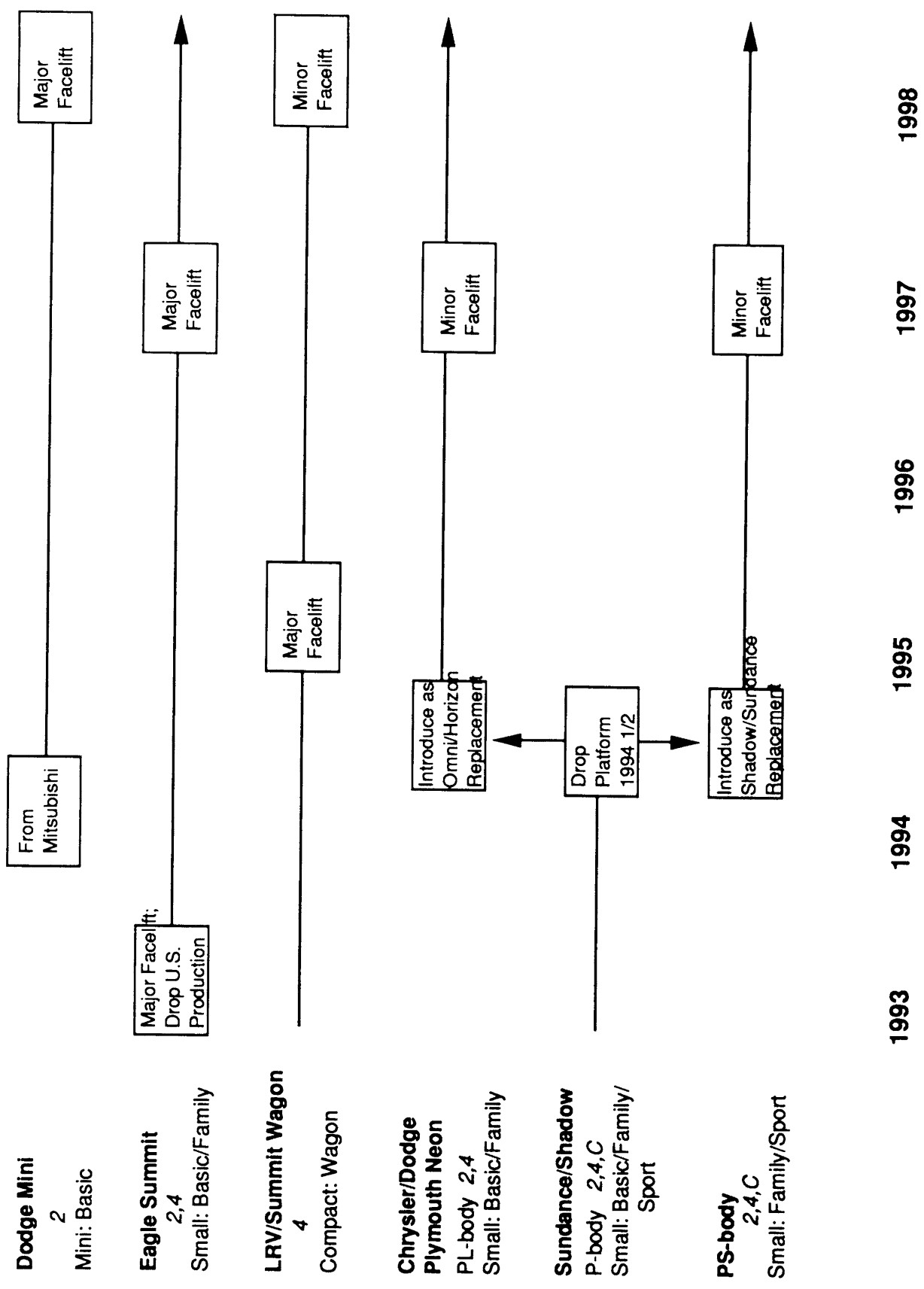


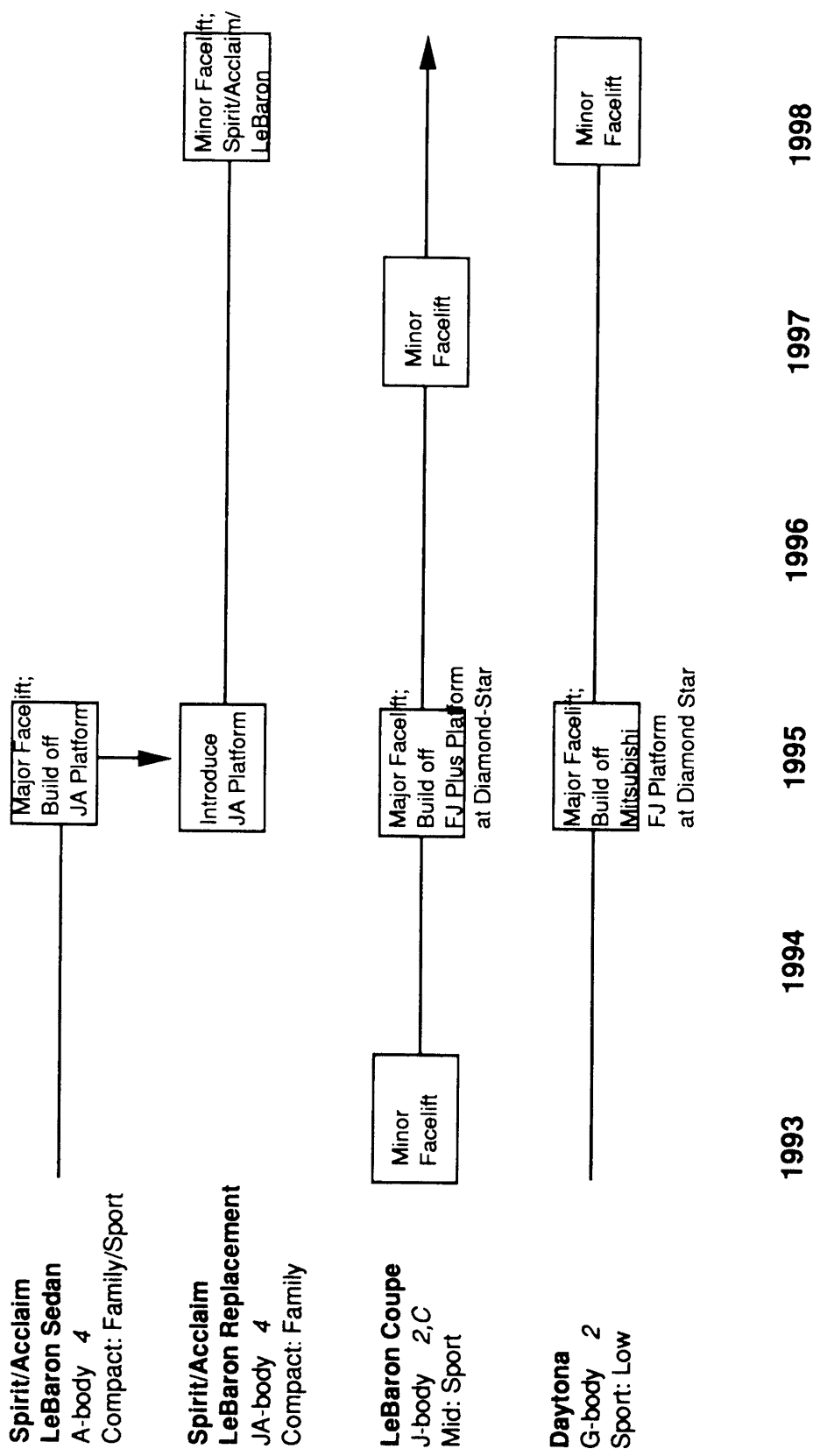


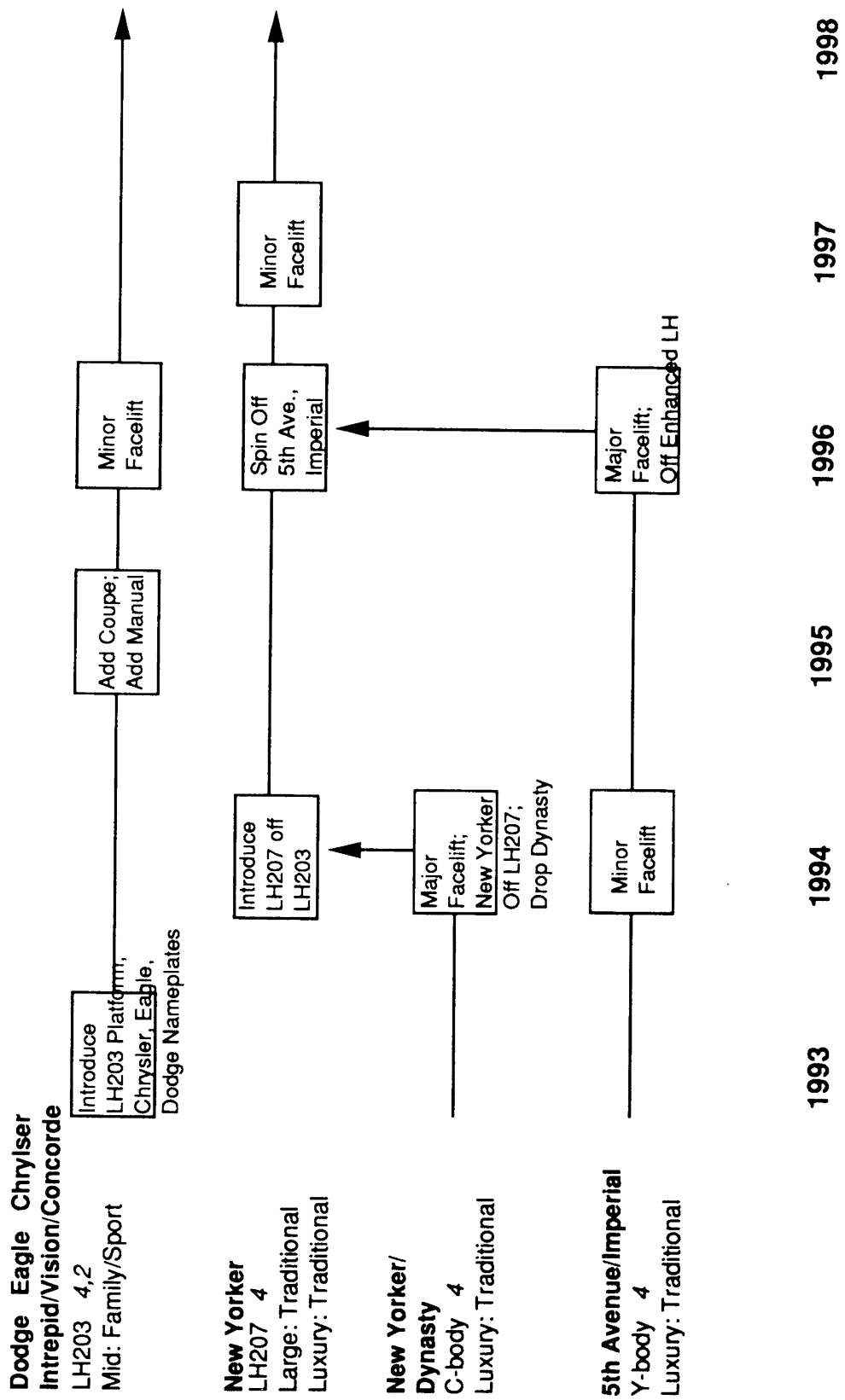


Ford Motor Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)

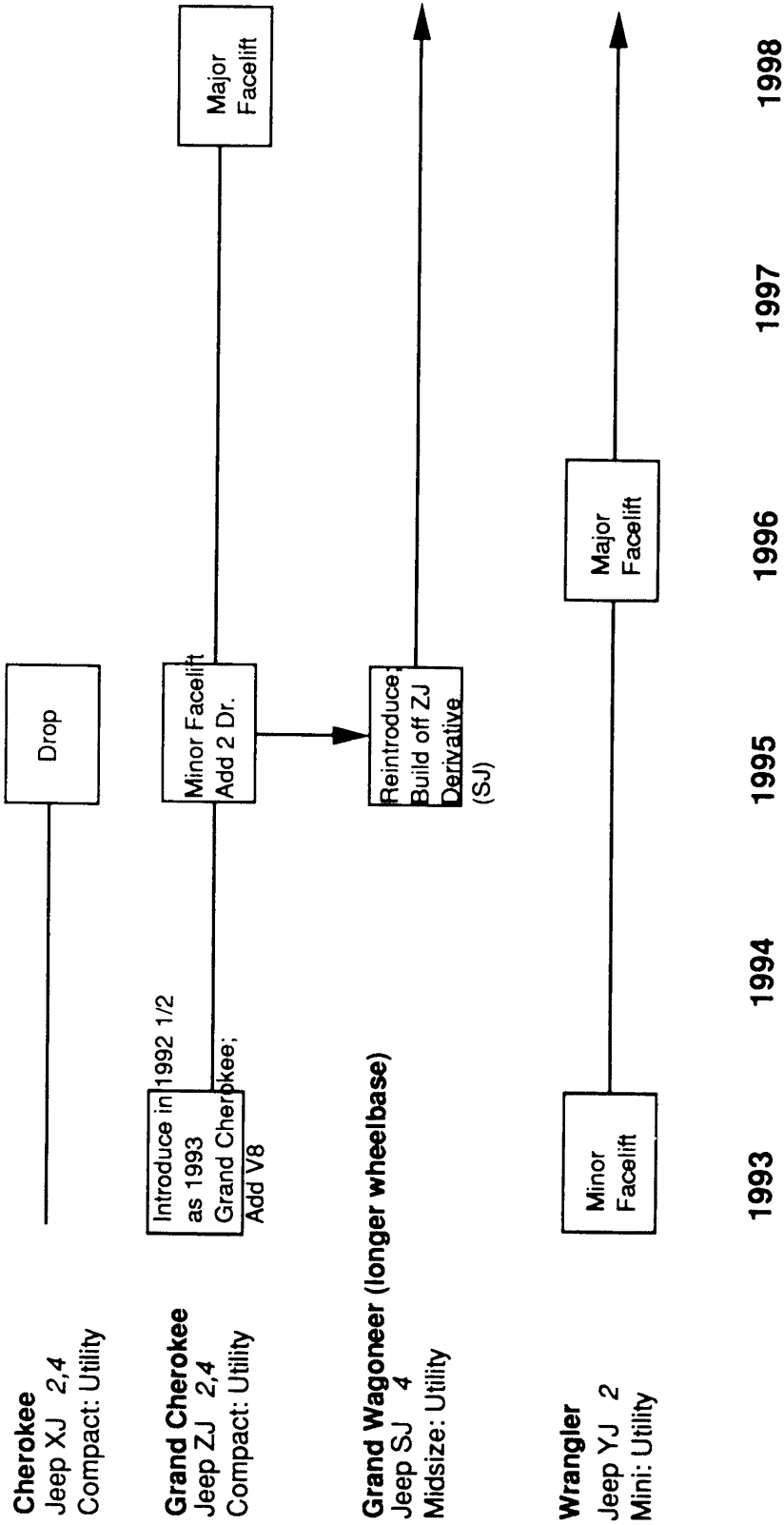
Chrysler Corporation
VEHICLE PROGRAM TIMING



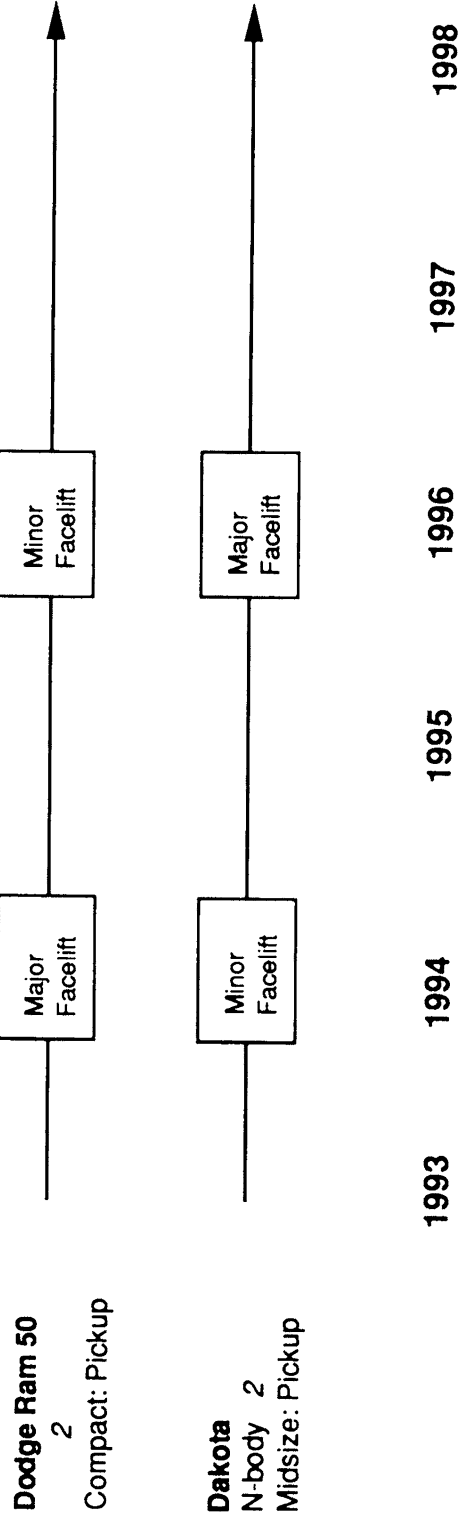


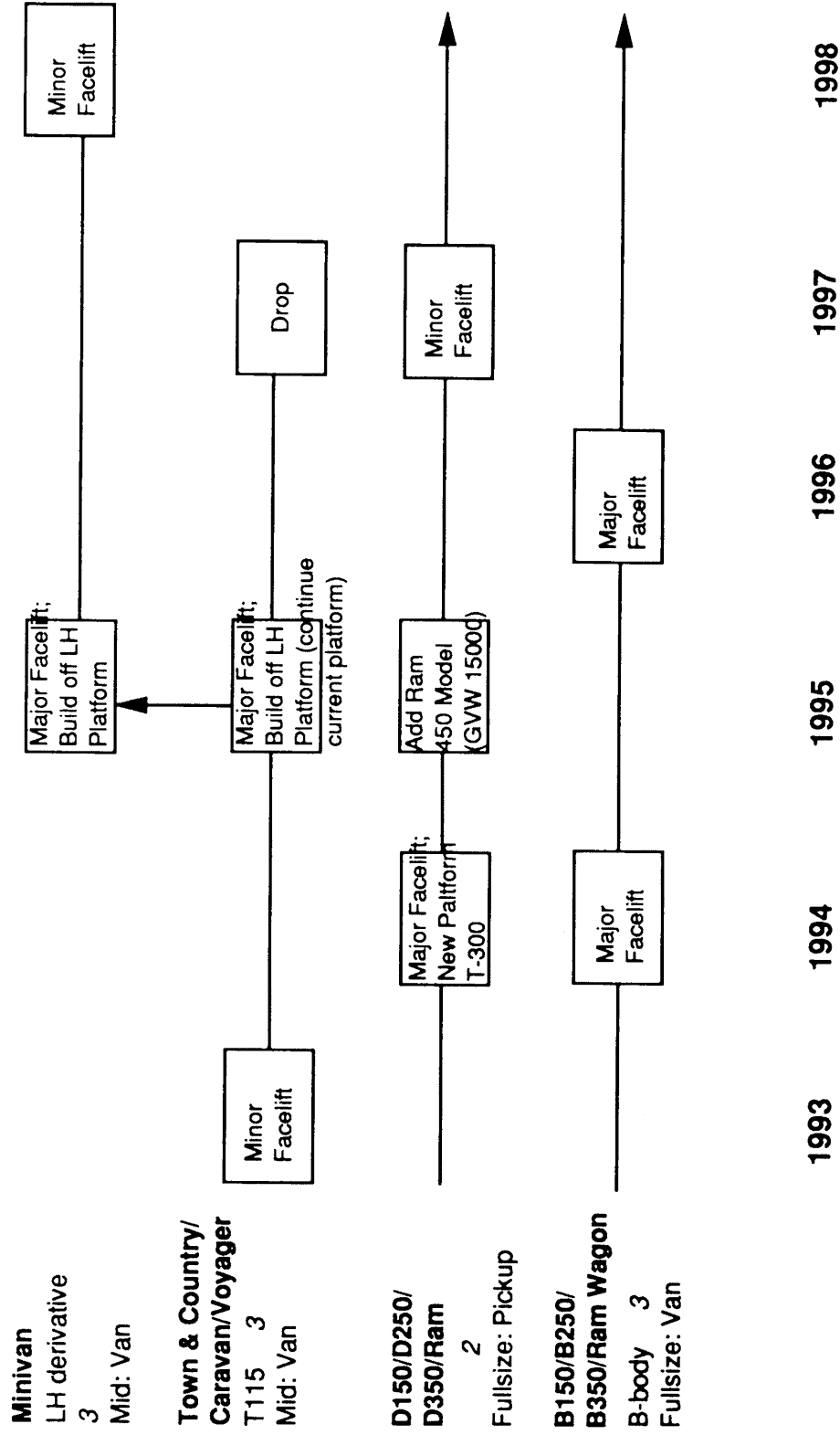


Chrysler Motors Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)

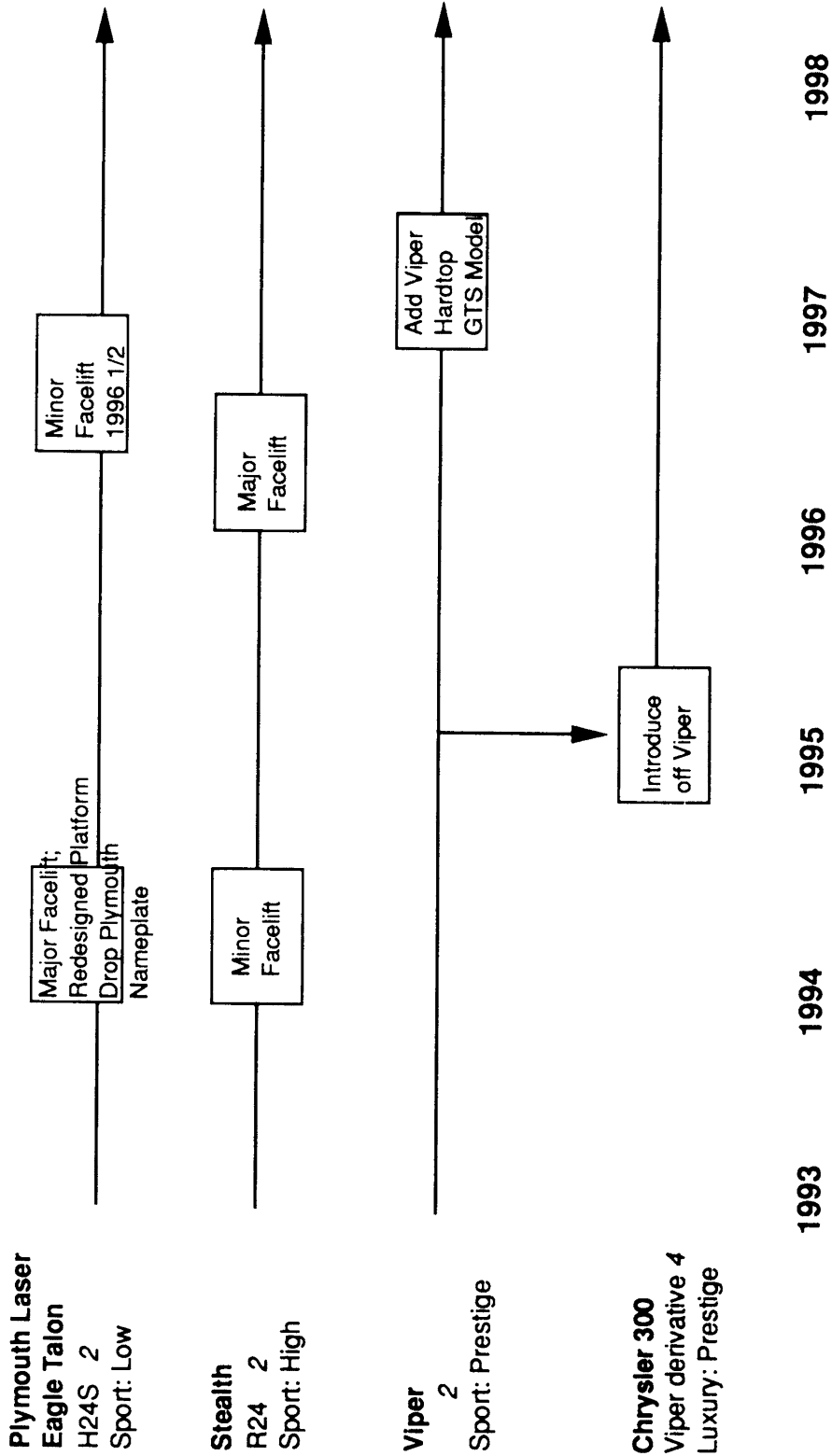


Chrysler/Jeep Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)





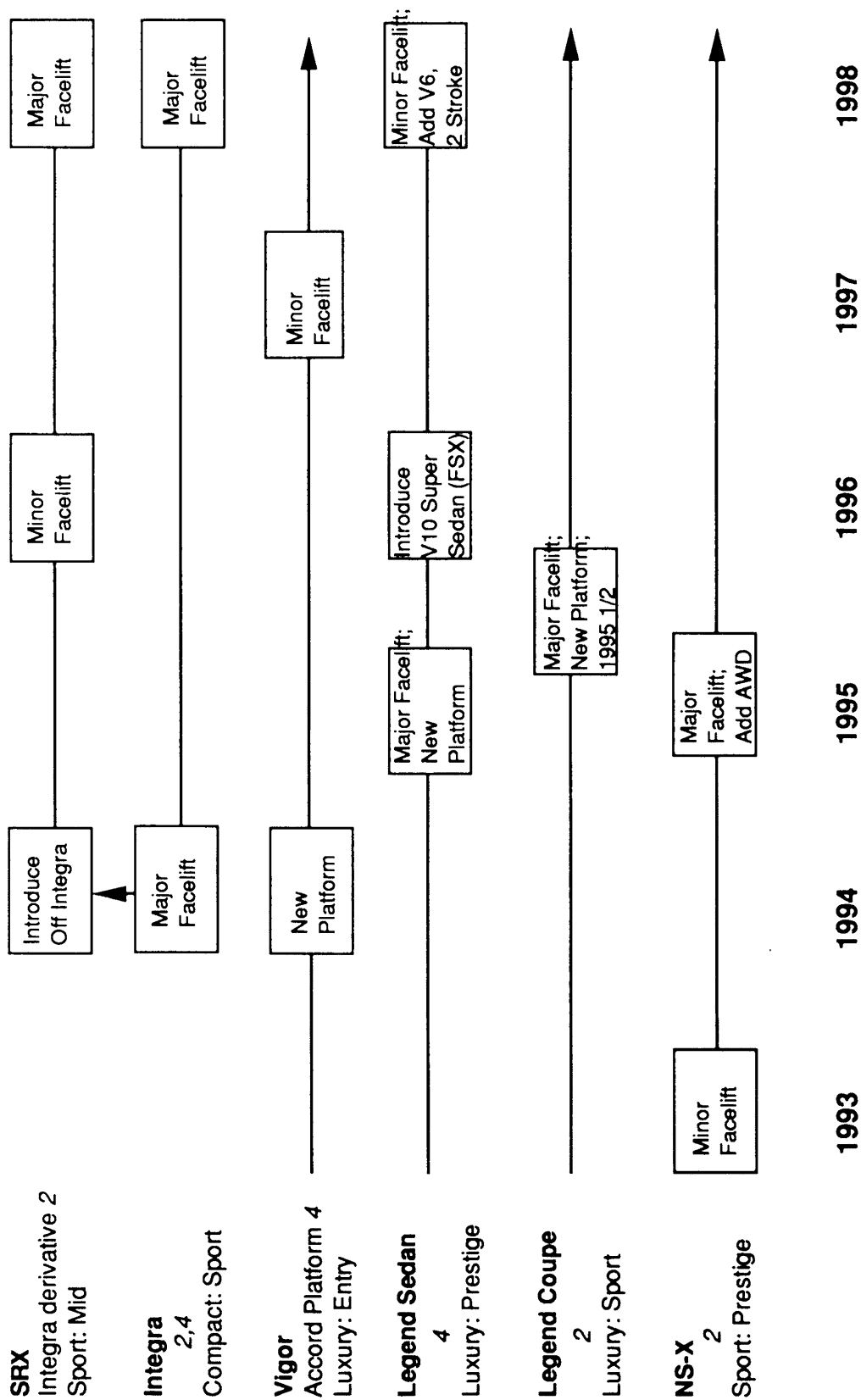
Chrysler/Jeep Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



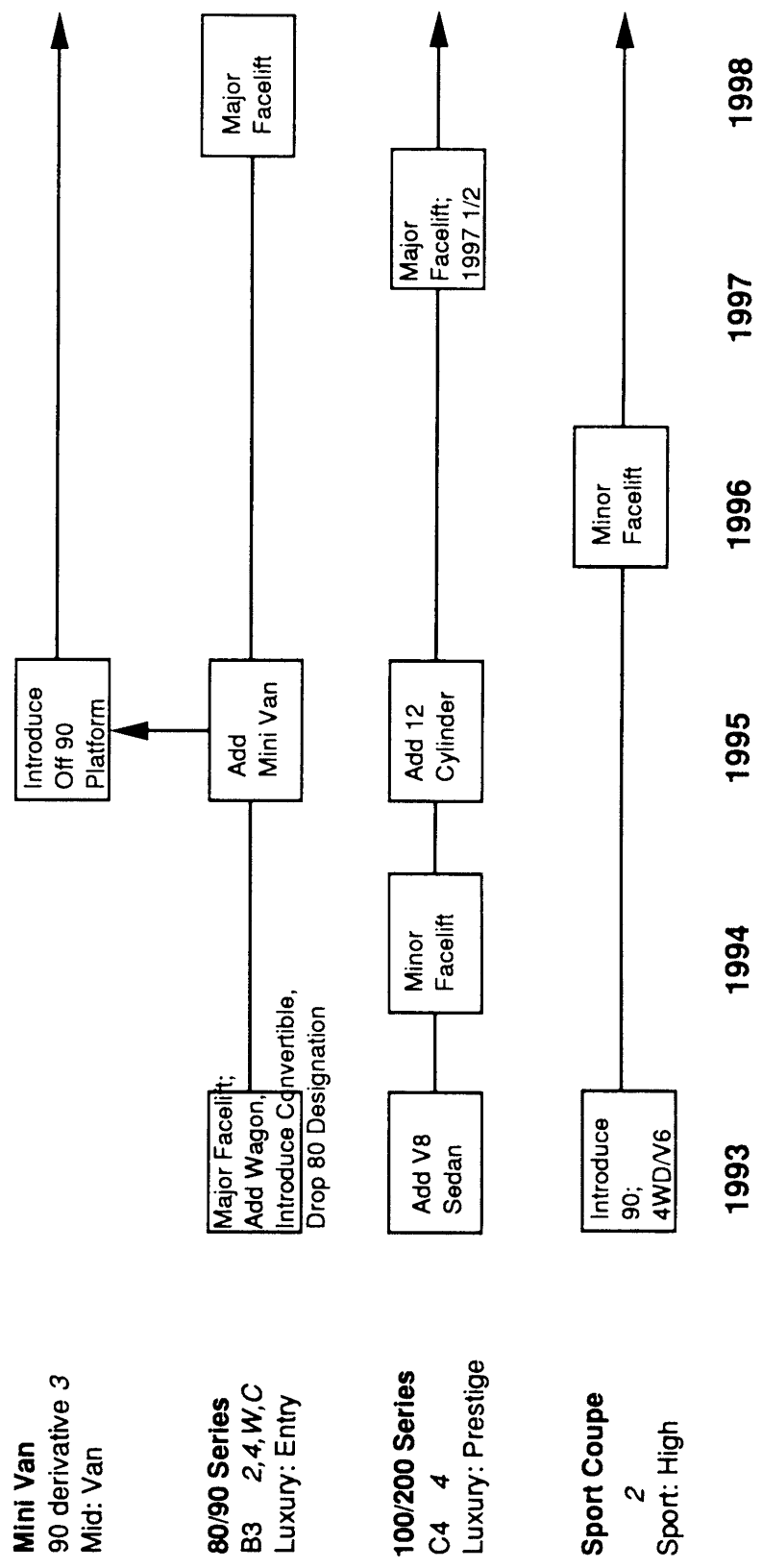
Chrysler Motors Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)

Imports

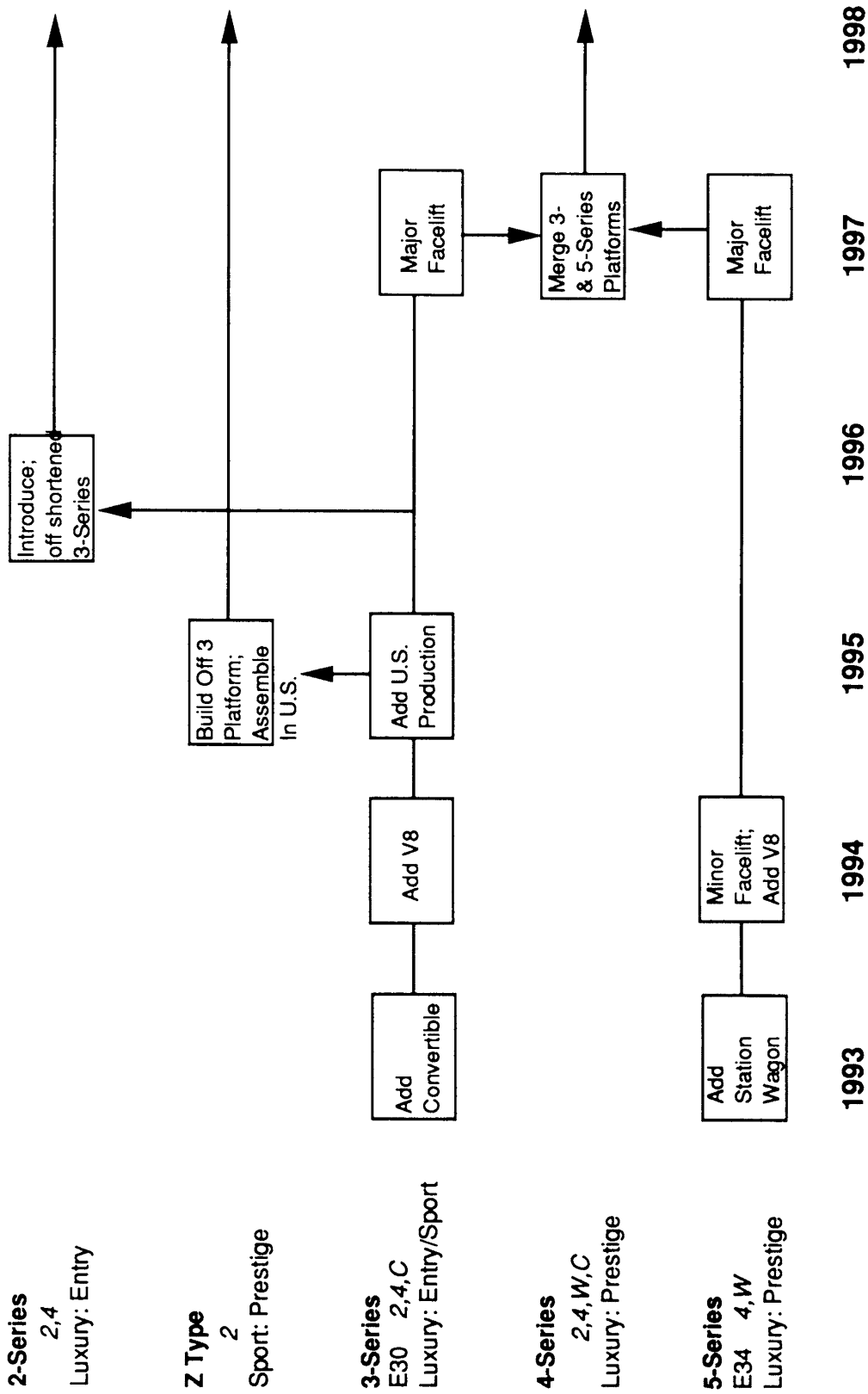
VEHICLE PROGRAM TIMING



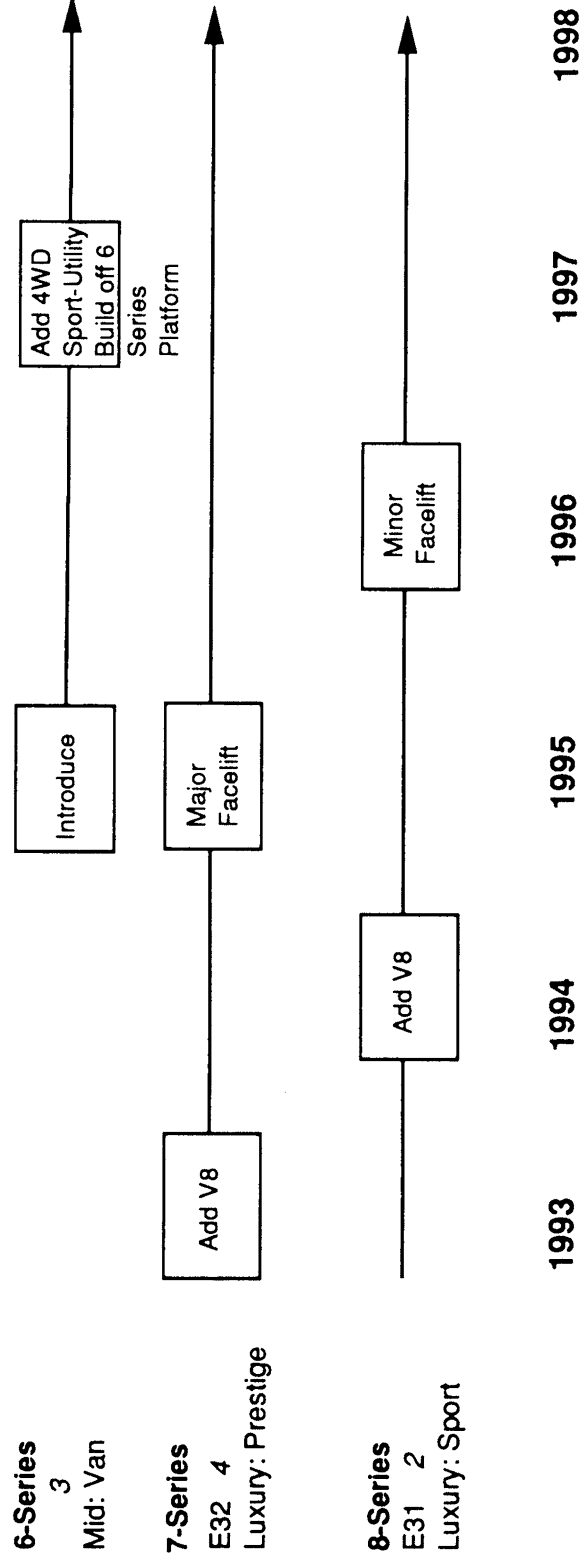
Acura Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



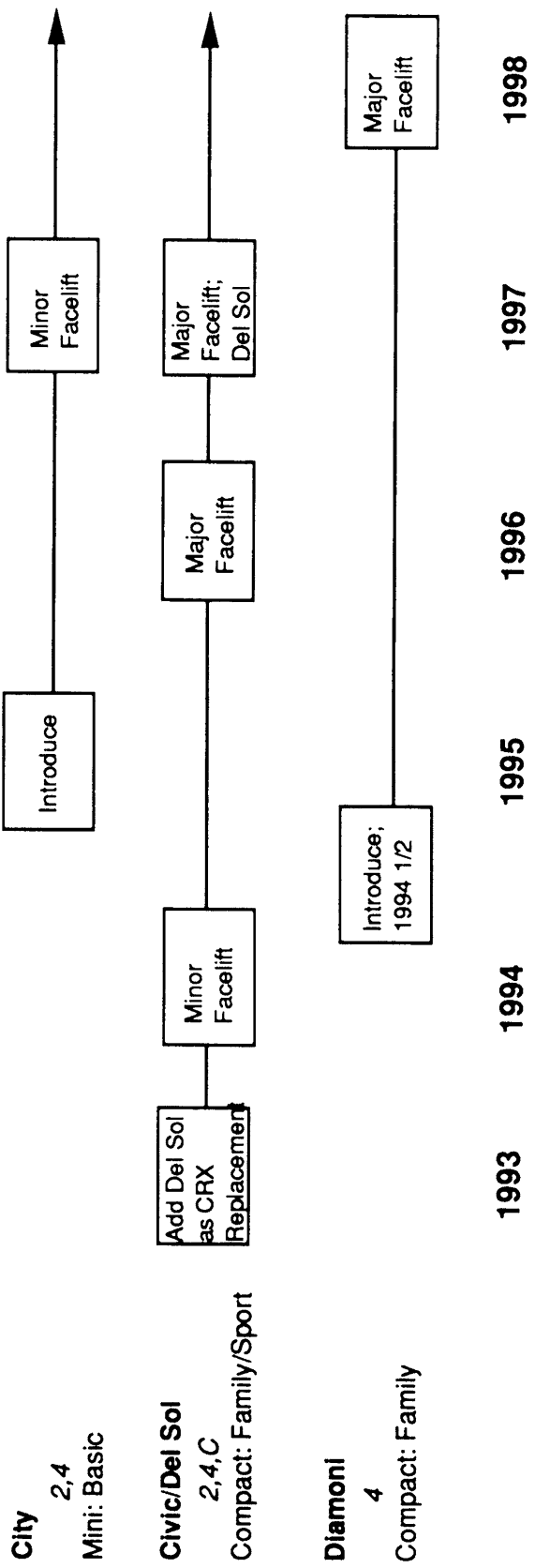
Audi Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



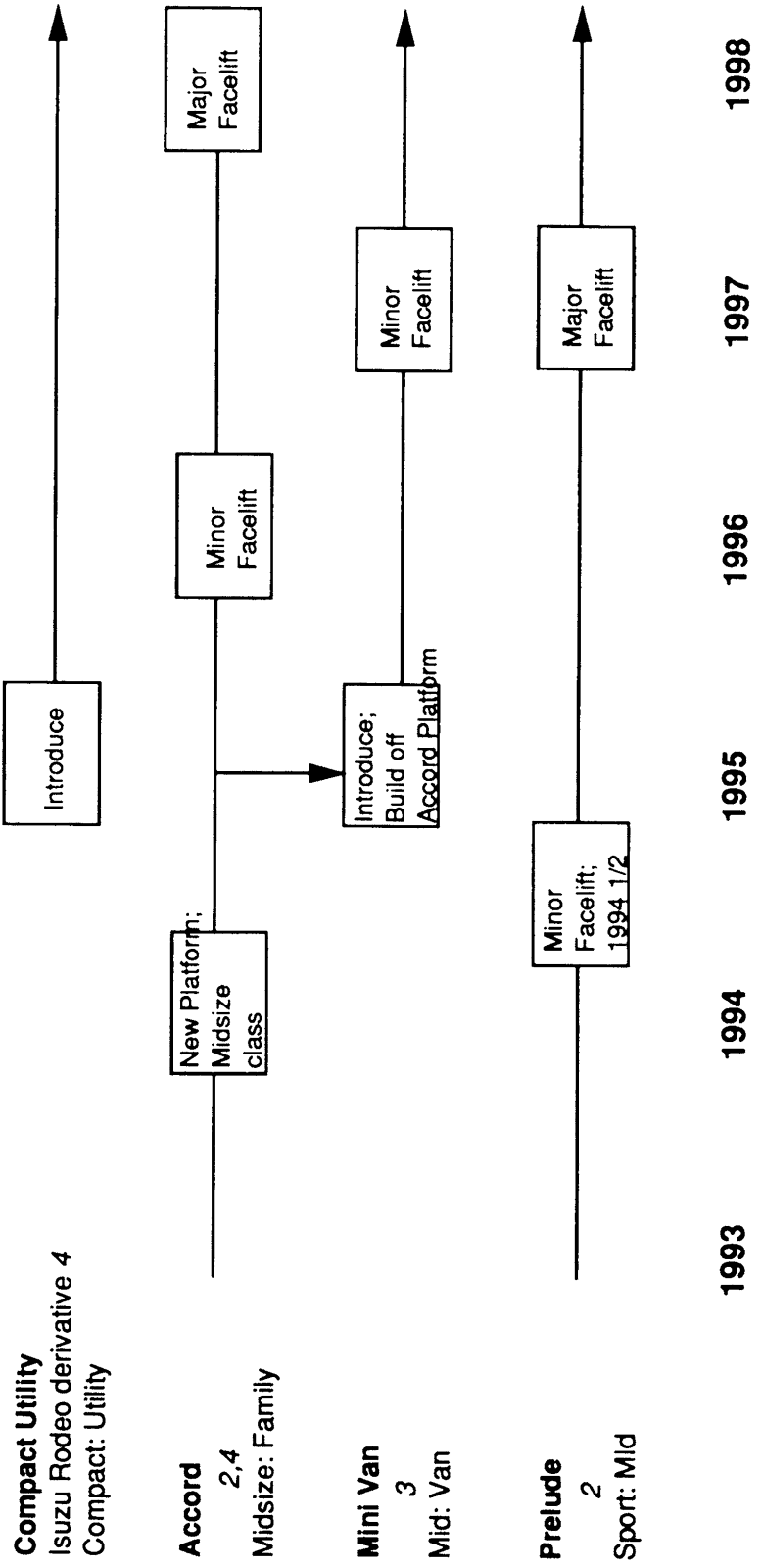
BMW Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



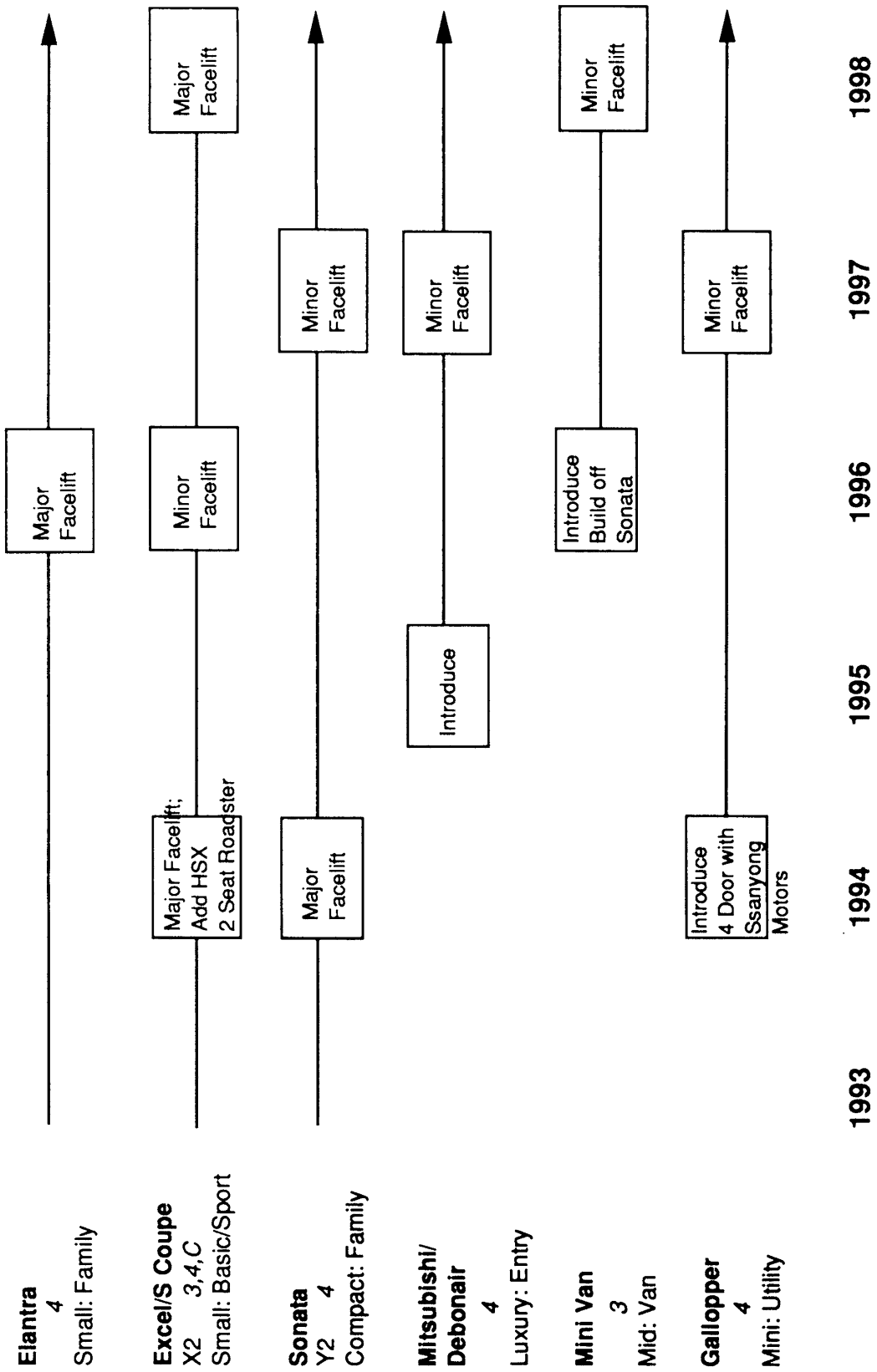
BMW Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



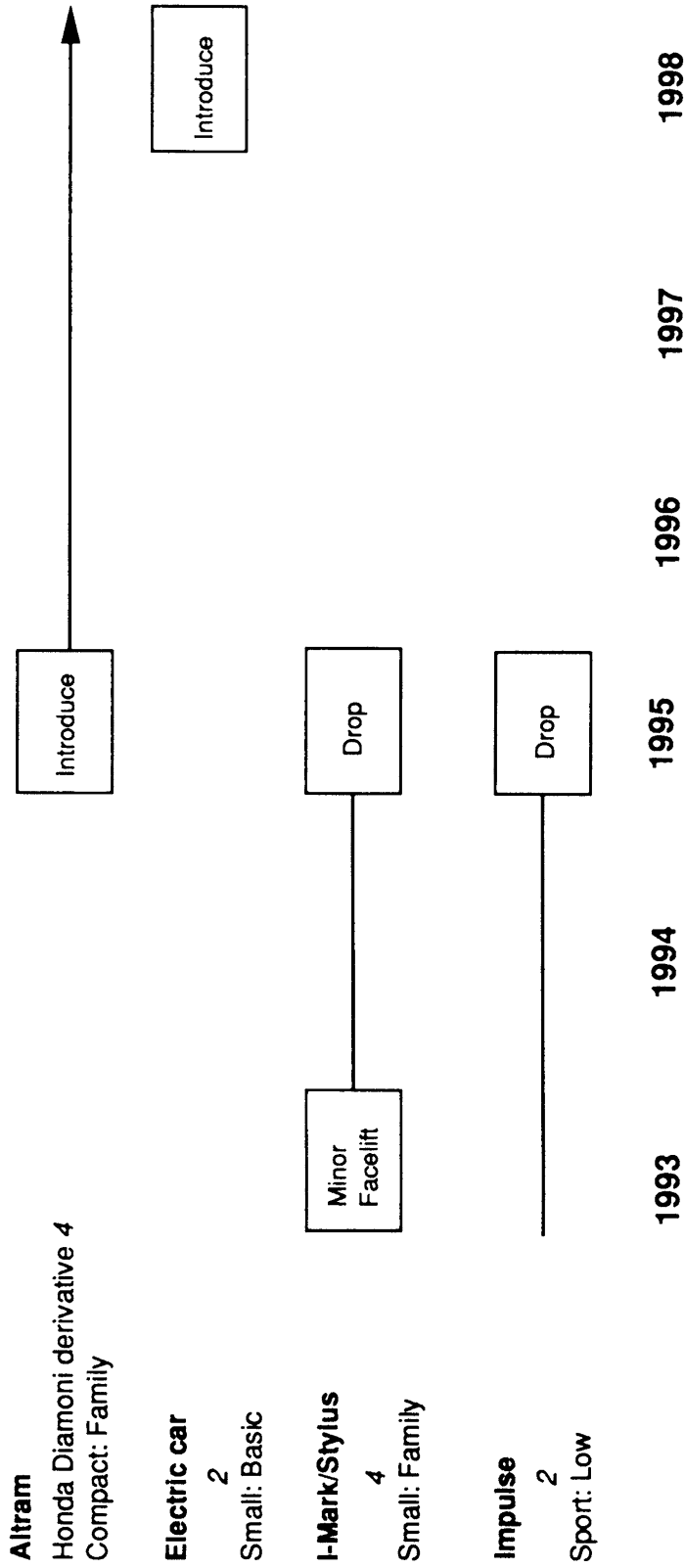
Honda Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



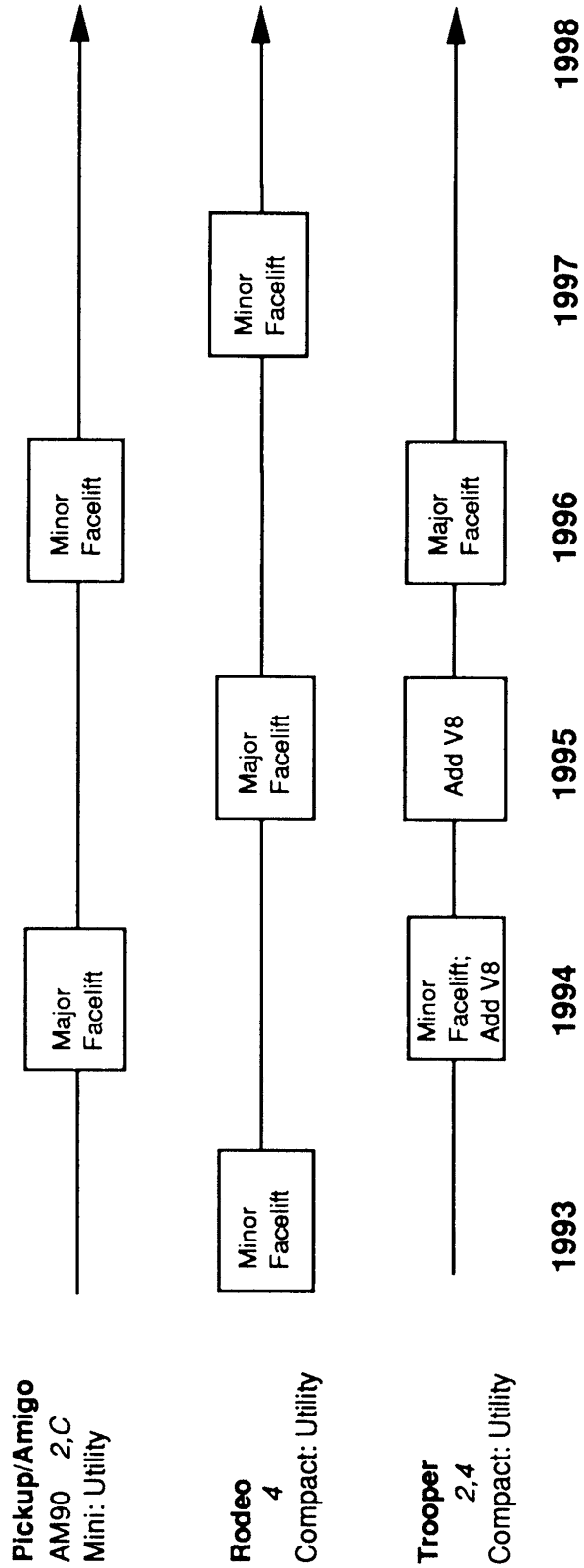
Honda Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



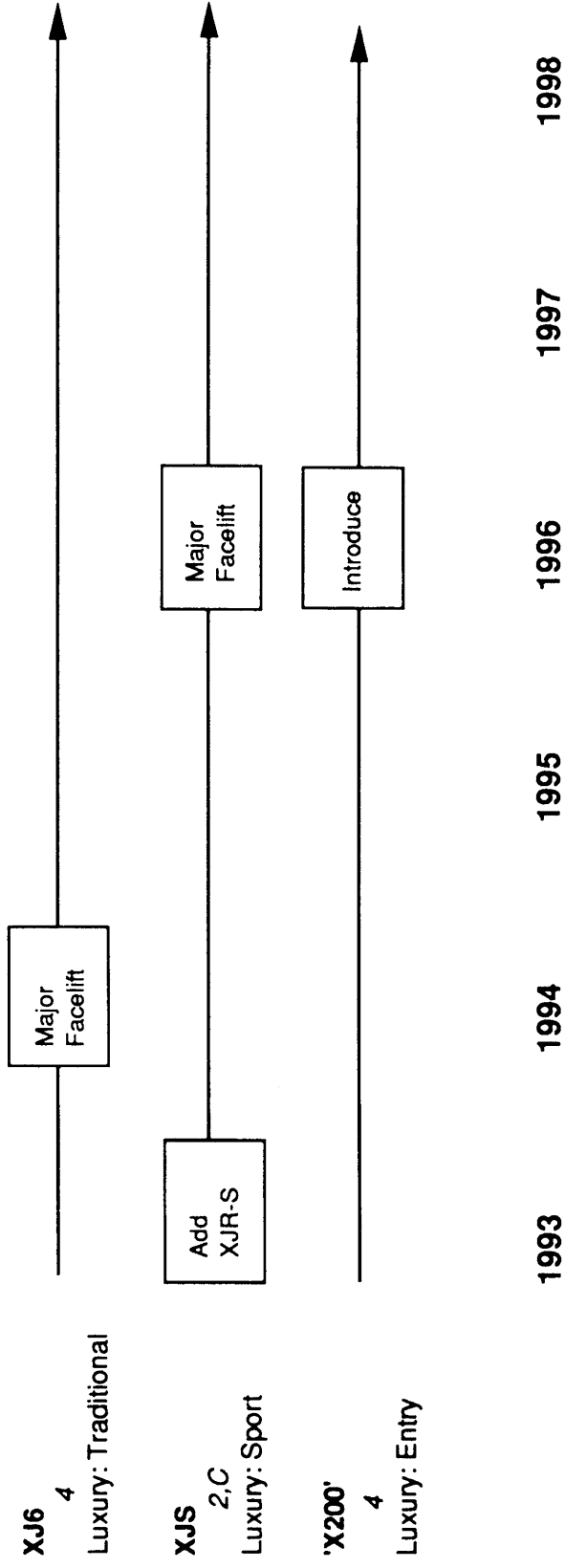
Hyundai Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



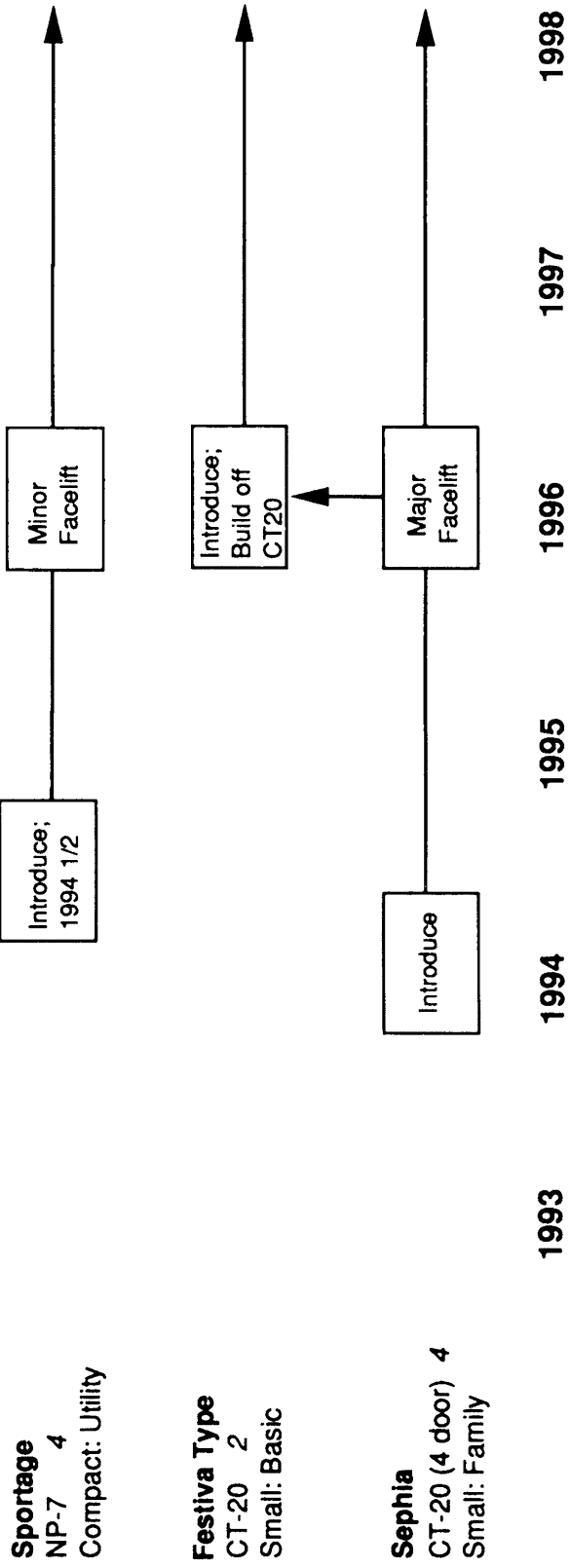
Isuzu Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



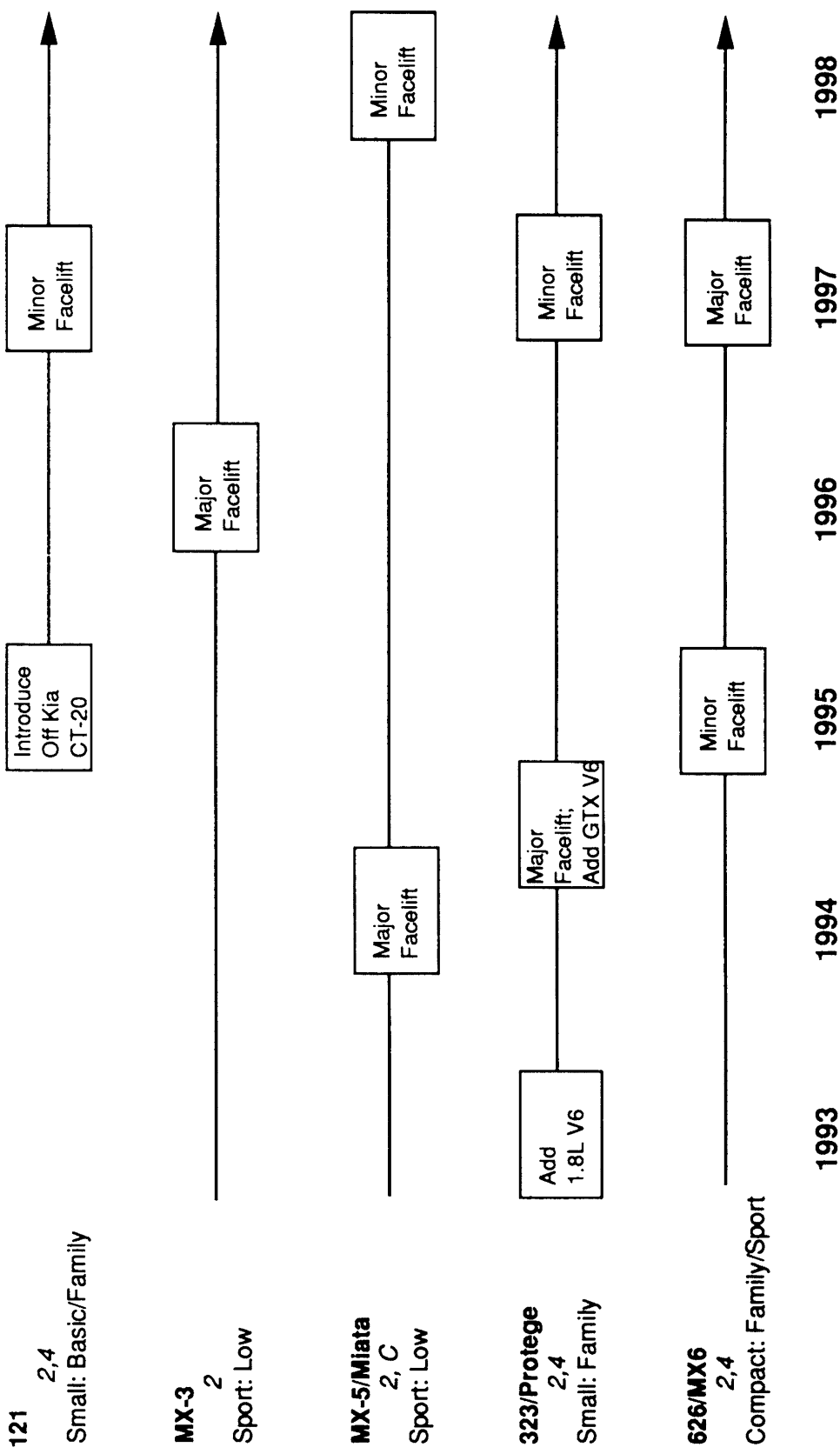
Isuzu Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



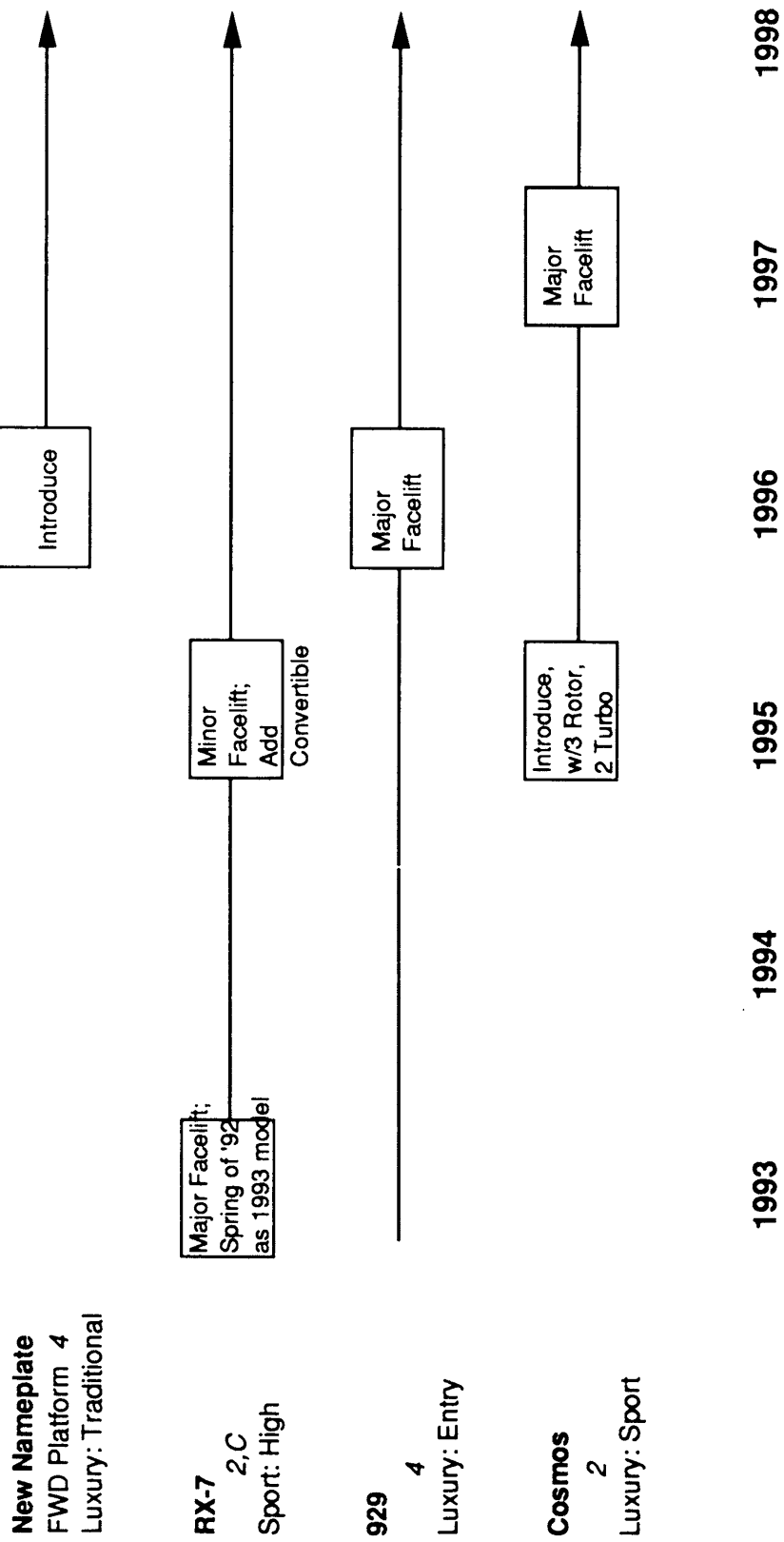
Jaguar Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



Kia Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



Mazda Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



Mazda Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)

Ford-built Truck
2
Fullsize: Pickup

Introduce Off
Ford PN96
Platform

B2200/B2600
2
Compact: Pickup

Drop Mazda
add Rebadged
Ford Ranger

Major
Facelift

MPV
3
Compact: Van

Major
Facelift

Minor
Facelift

Navajo
2
Compact: Utility

Major
Facelift

Major Facelift;
Build off
Ford PN94

1993

1994

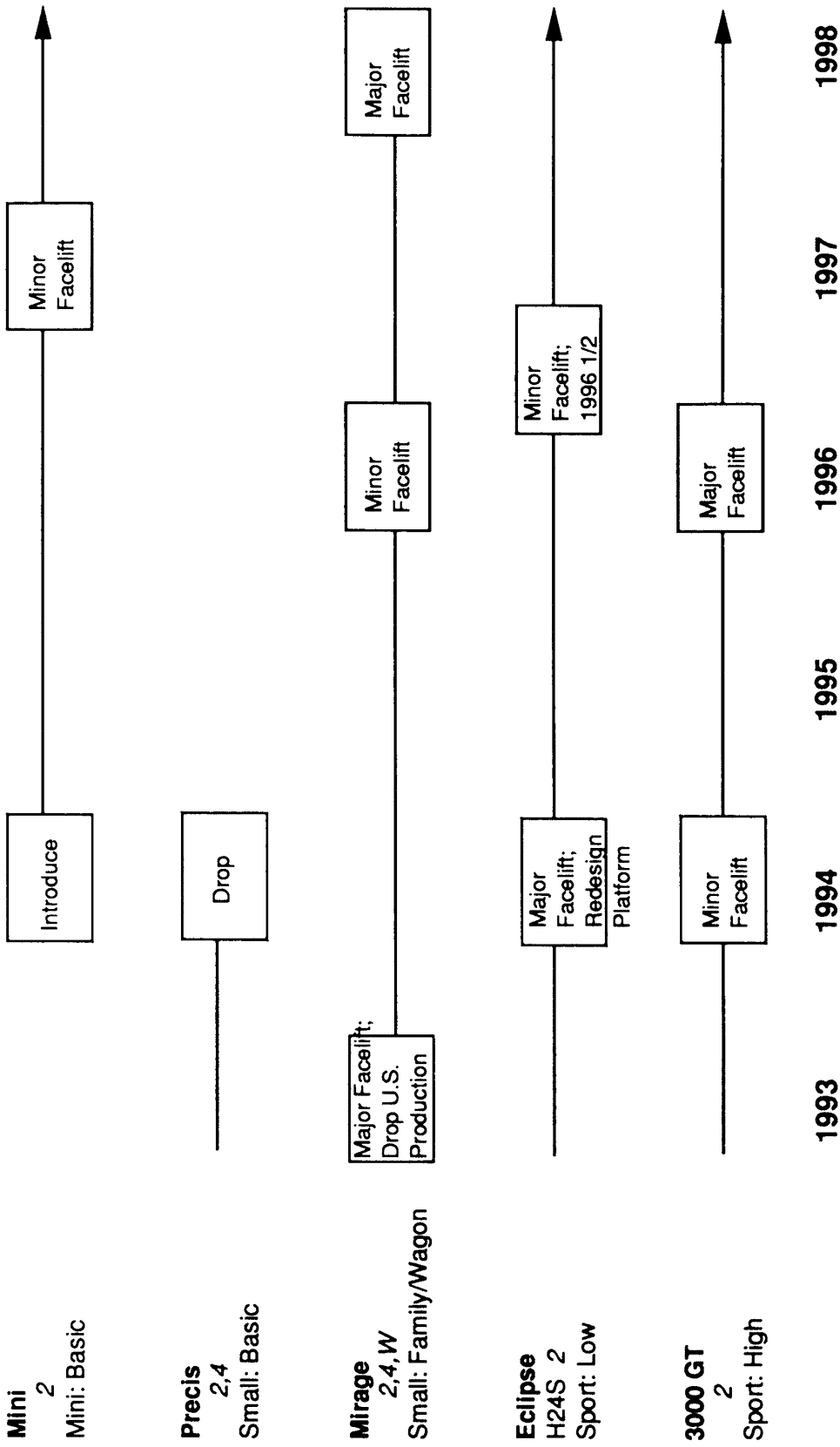
1995

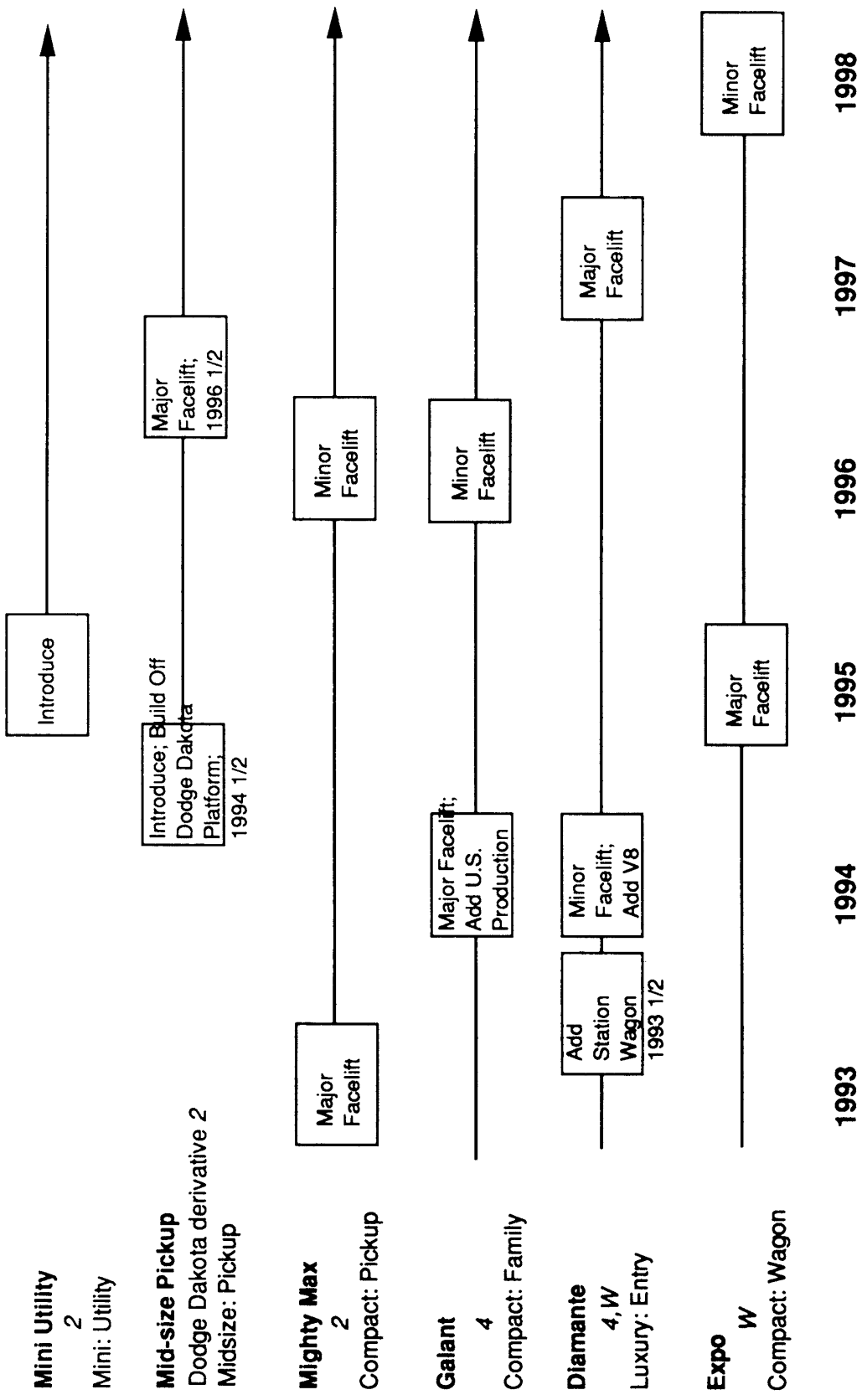
1996

1997

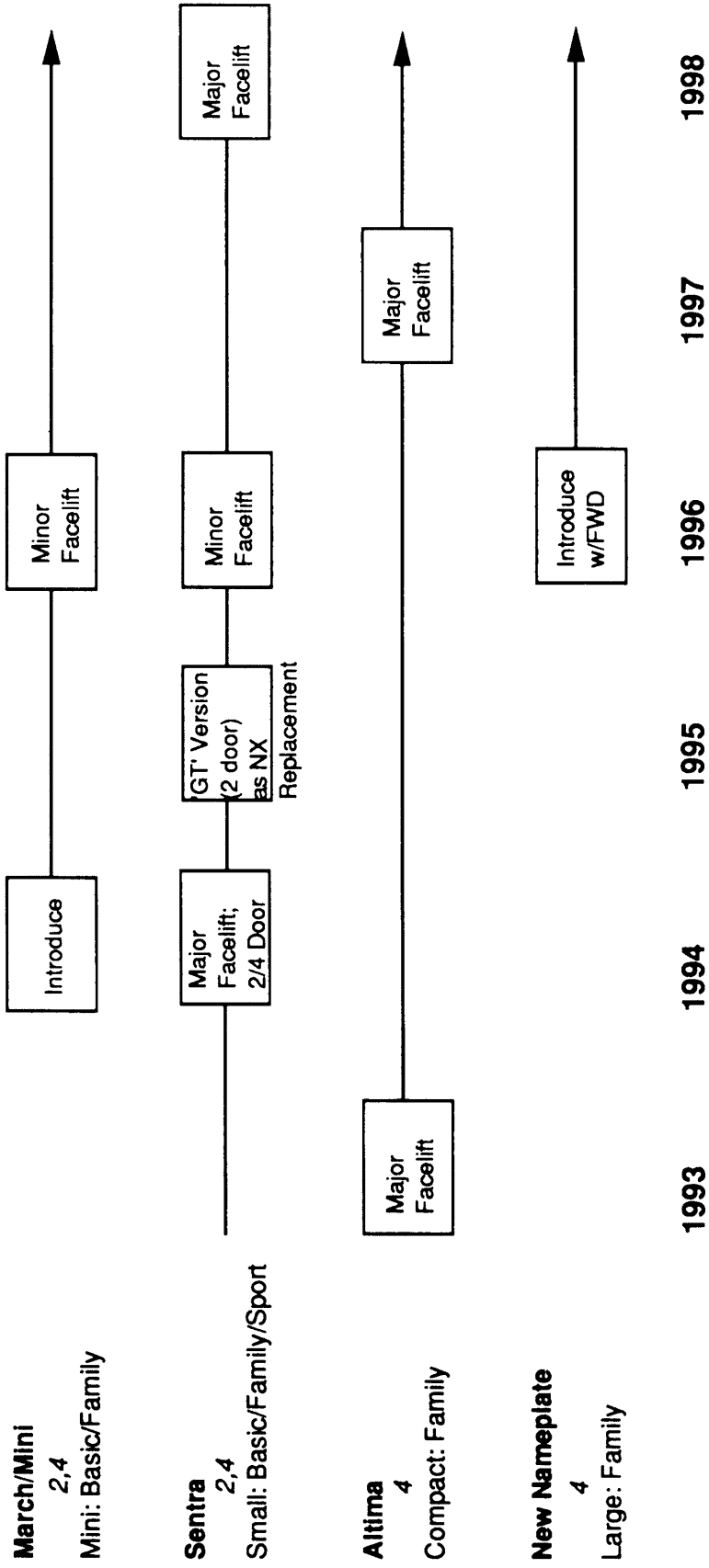
1998

Mazda Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)





Mitsubishi Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



Nissan Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)

NX
2
Sport: Low



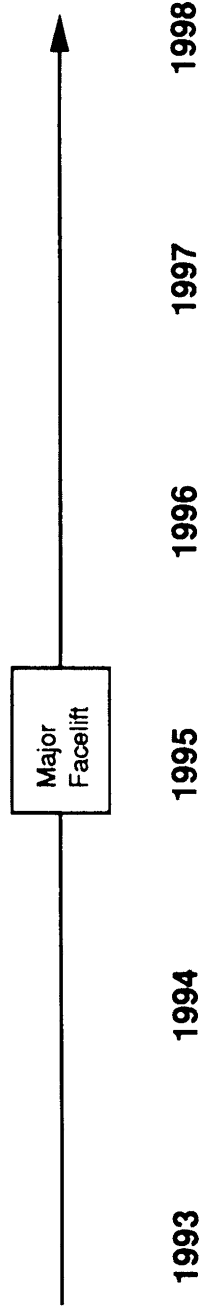
240SX
2,C
Sport: Mid



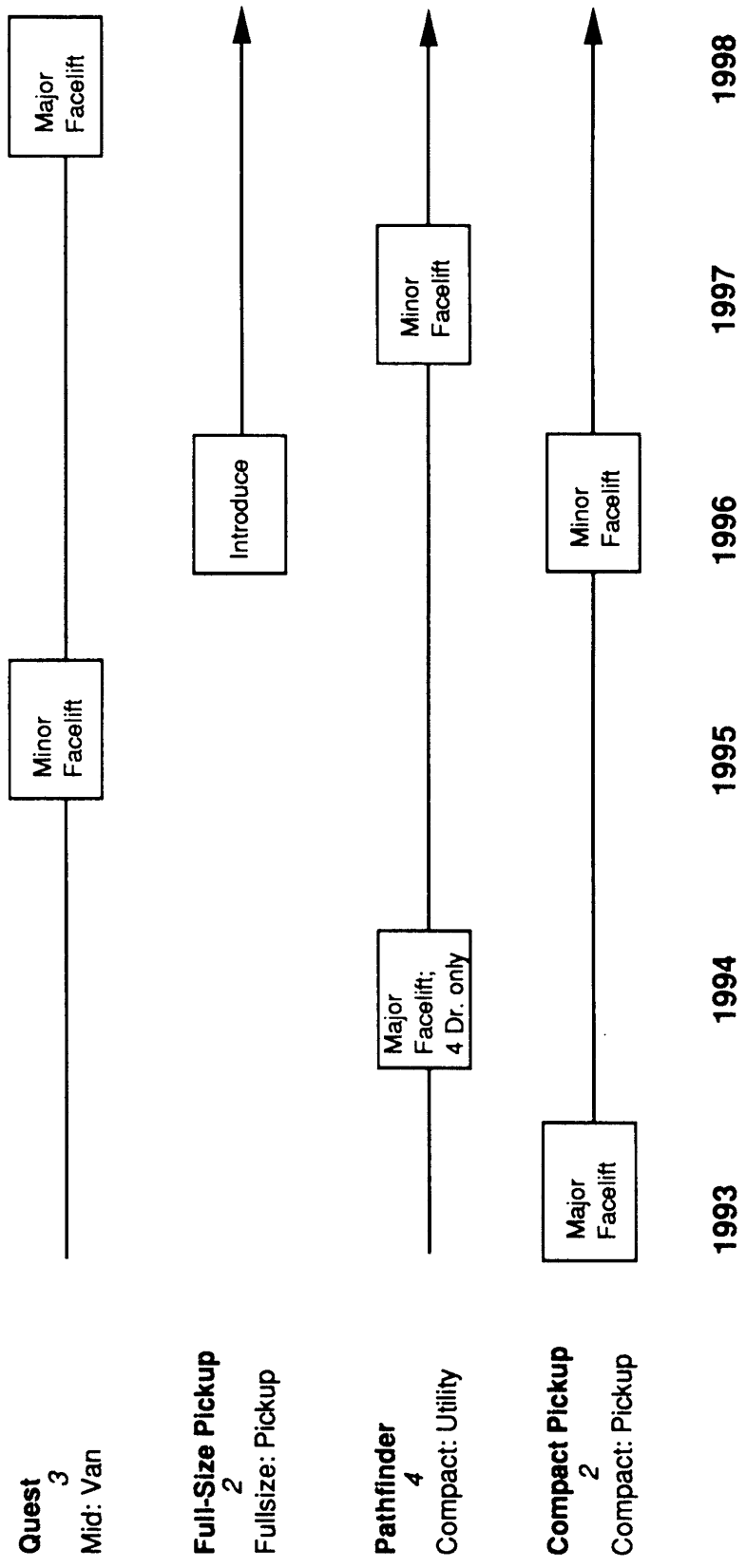
Maxima
4
Luxury: Entry



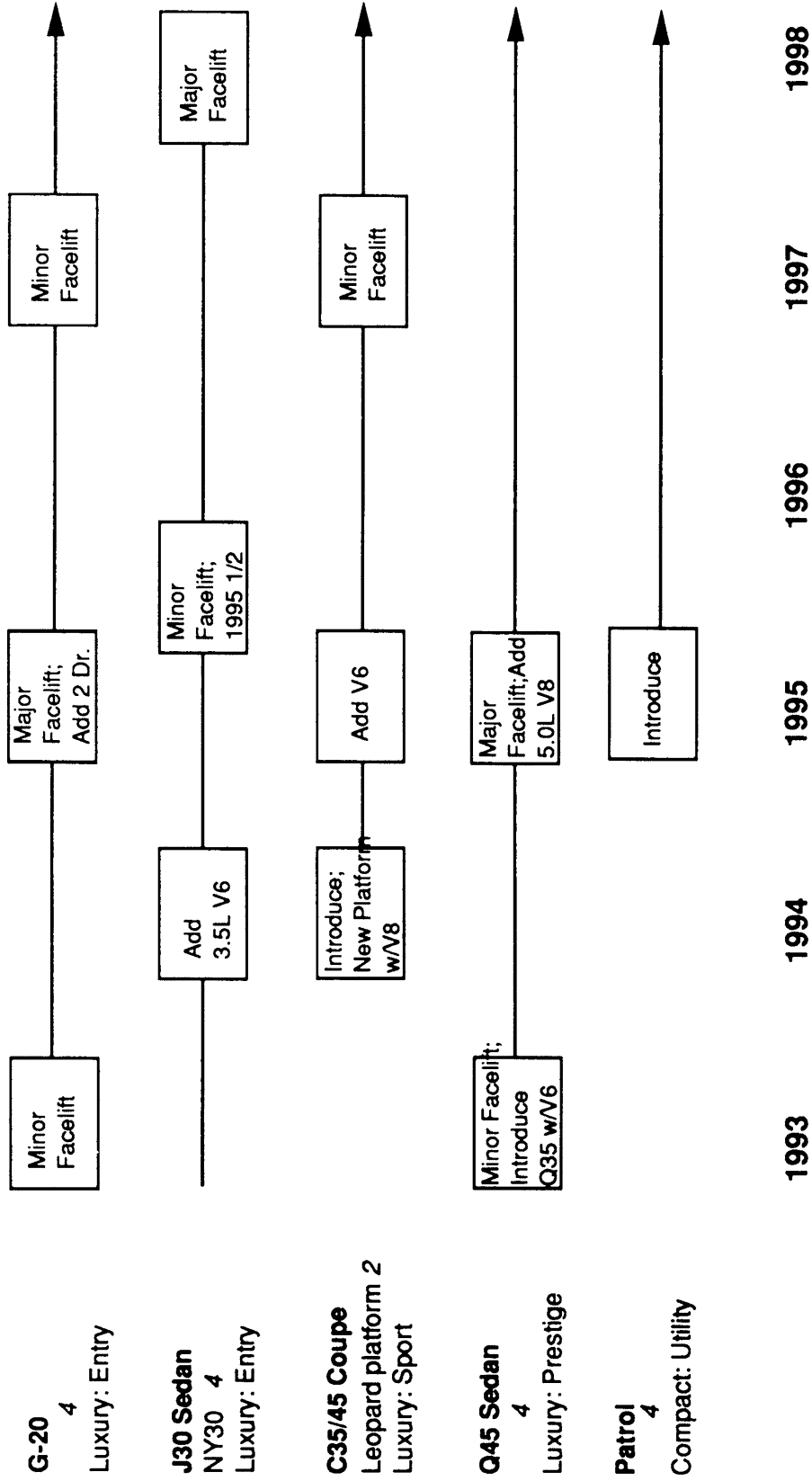
300ZX
2,C
Sport: High



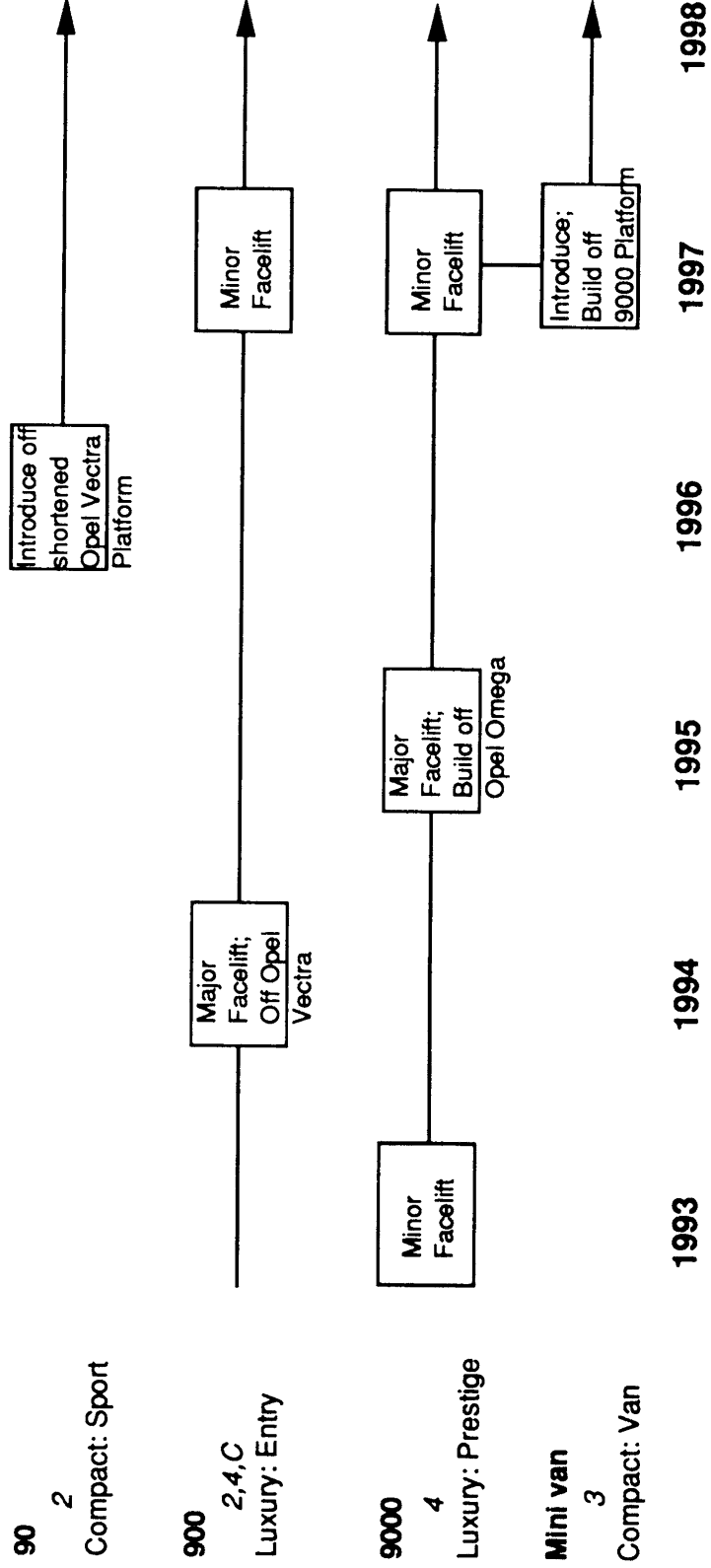
1993 1994 1995 1996 1997 1998



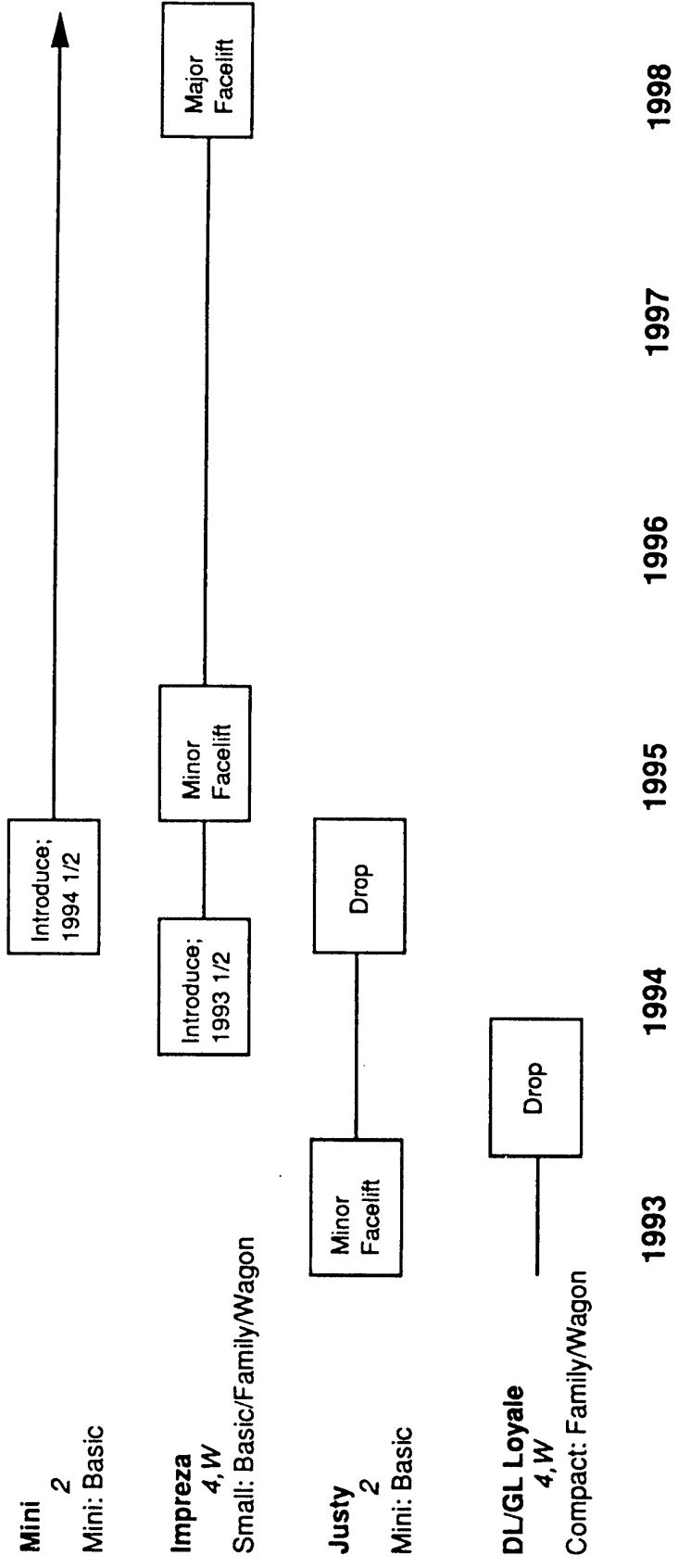
Nissan Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



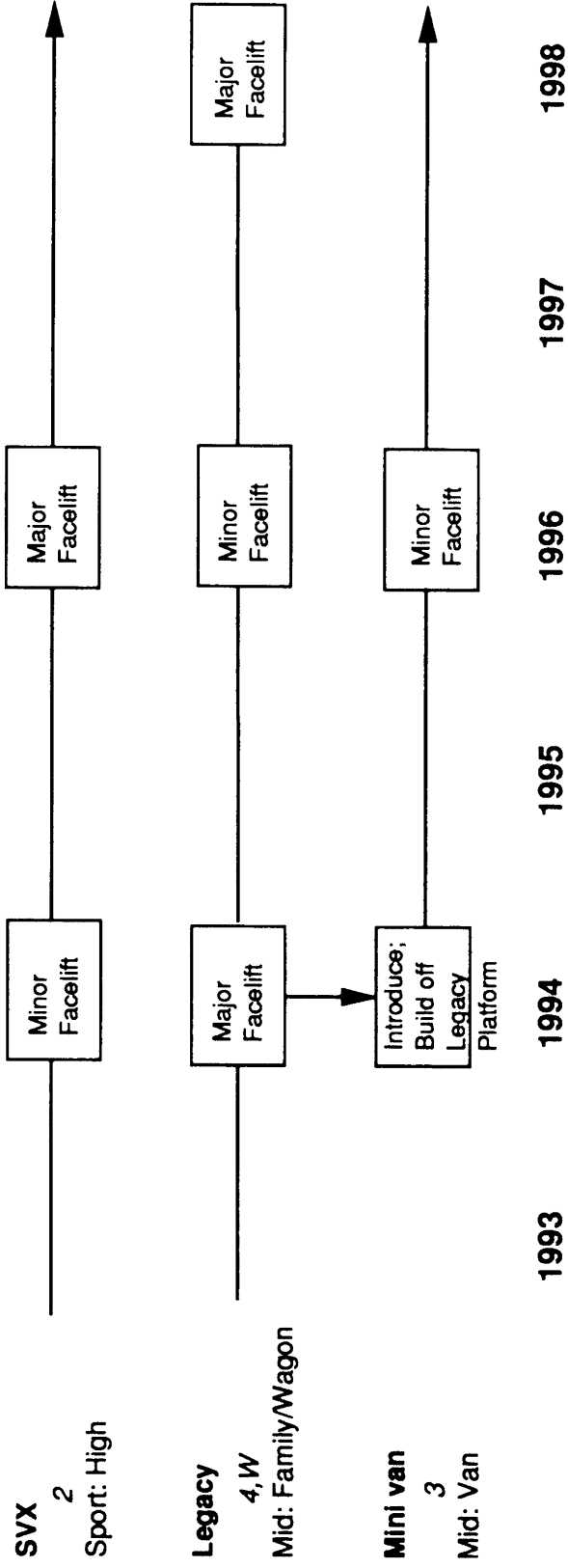
Infiniti Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



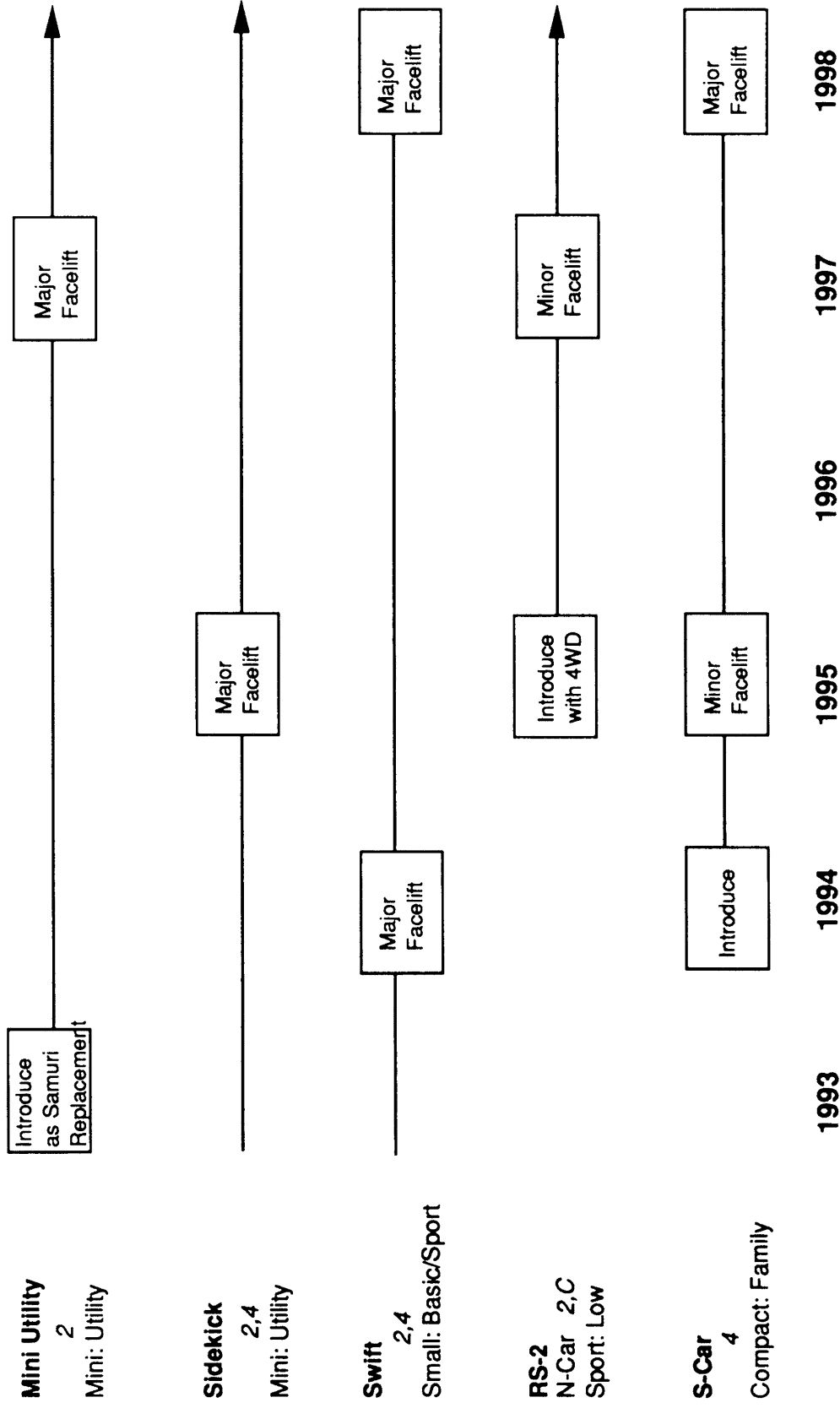
Saab Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)

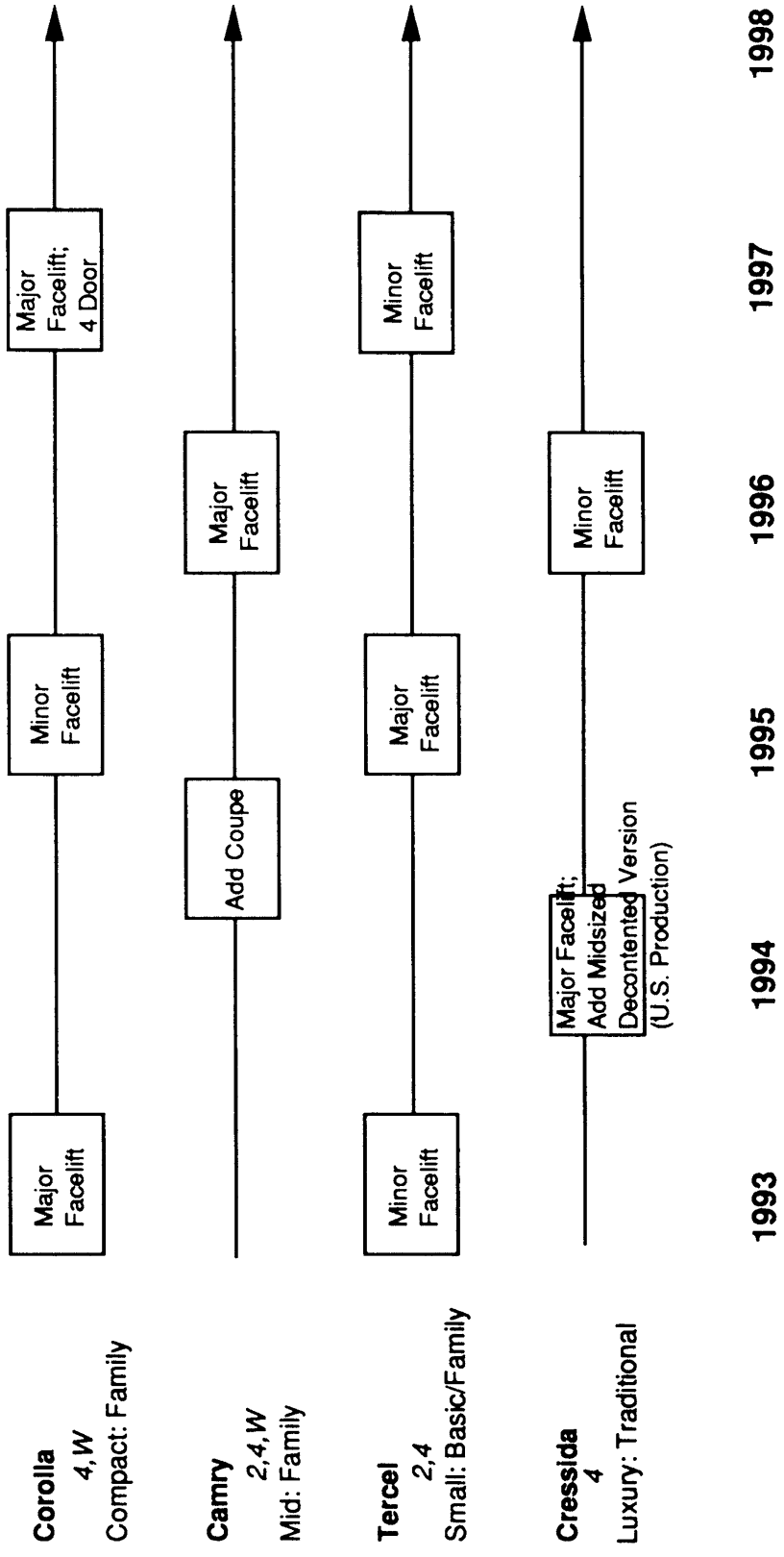


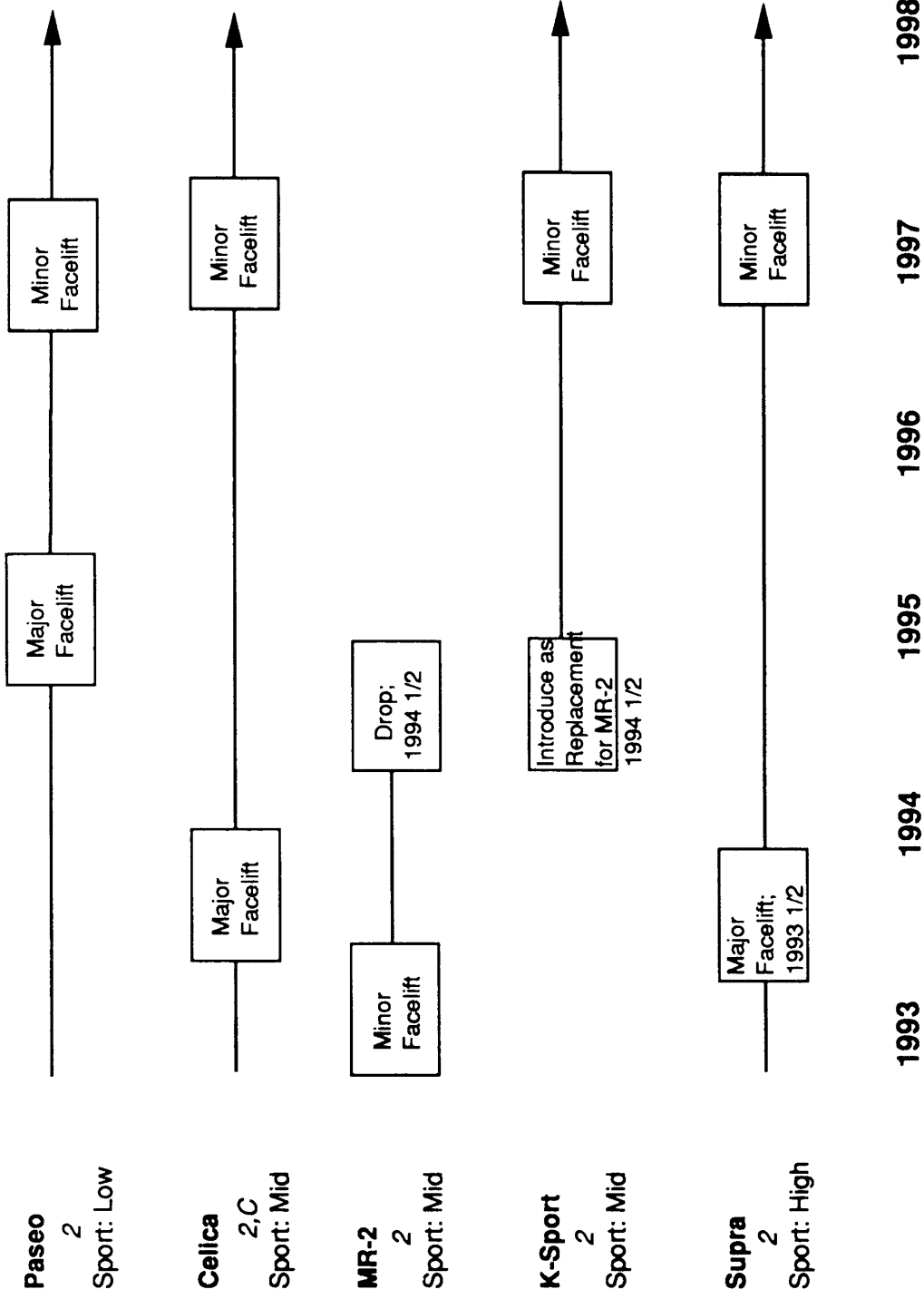
Subaru Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI) 1992



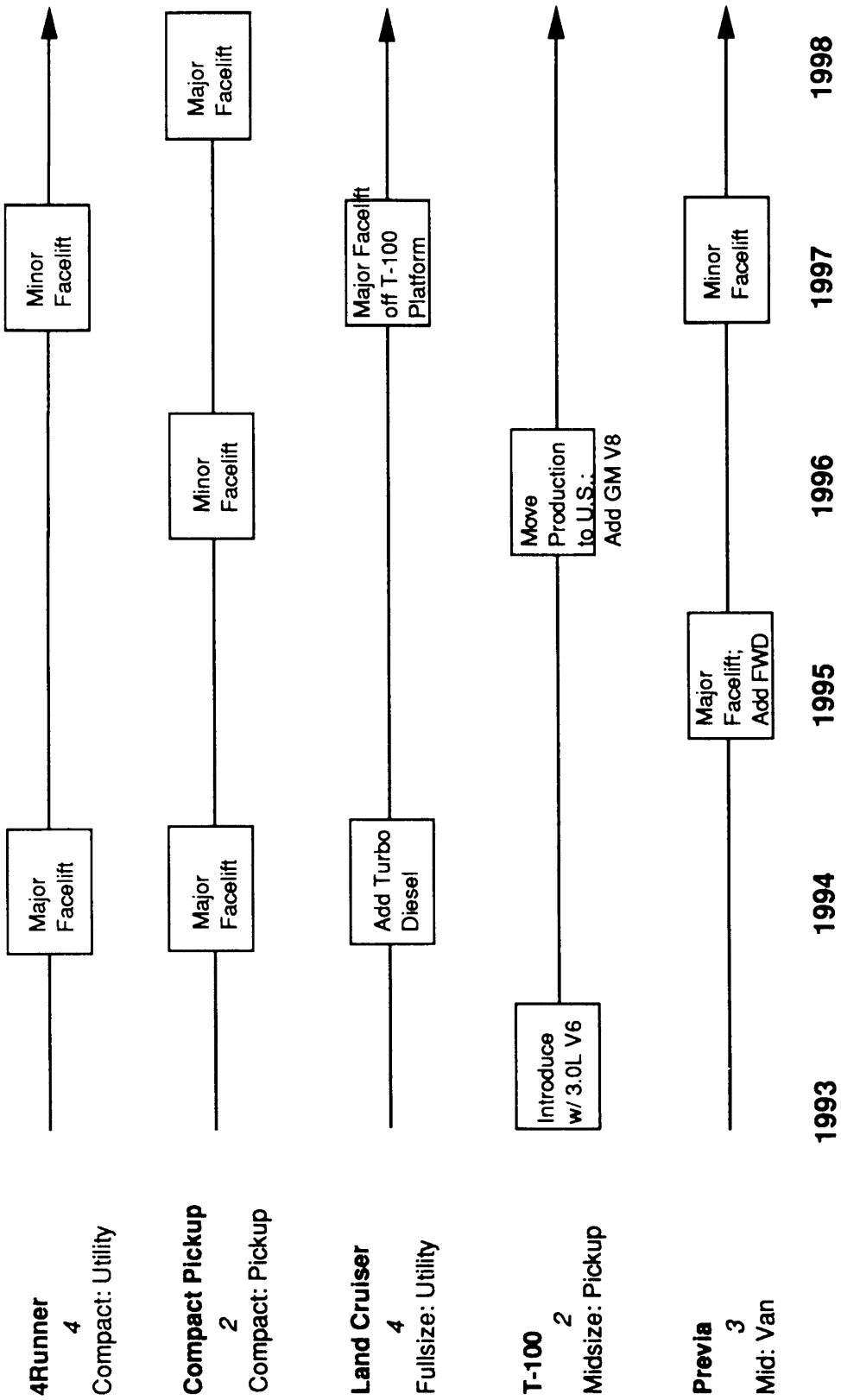
Subaru Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI) 1992



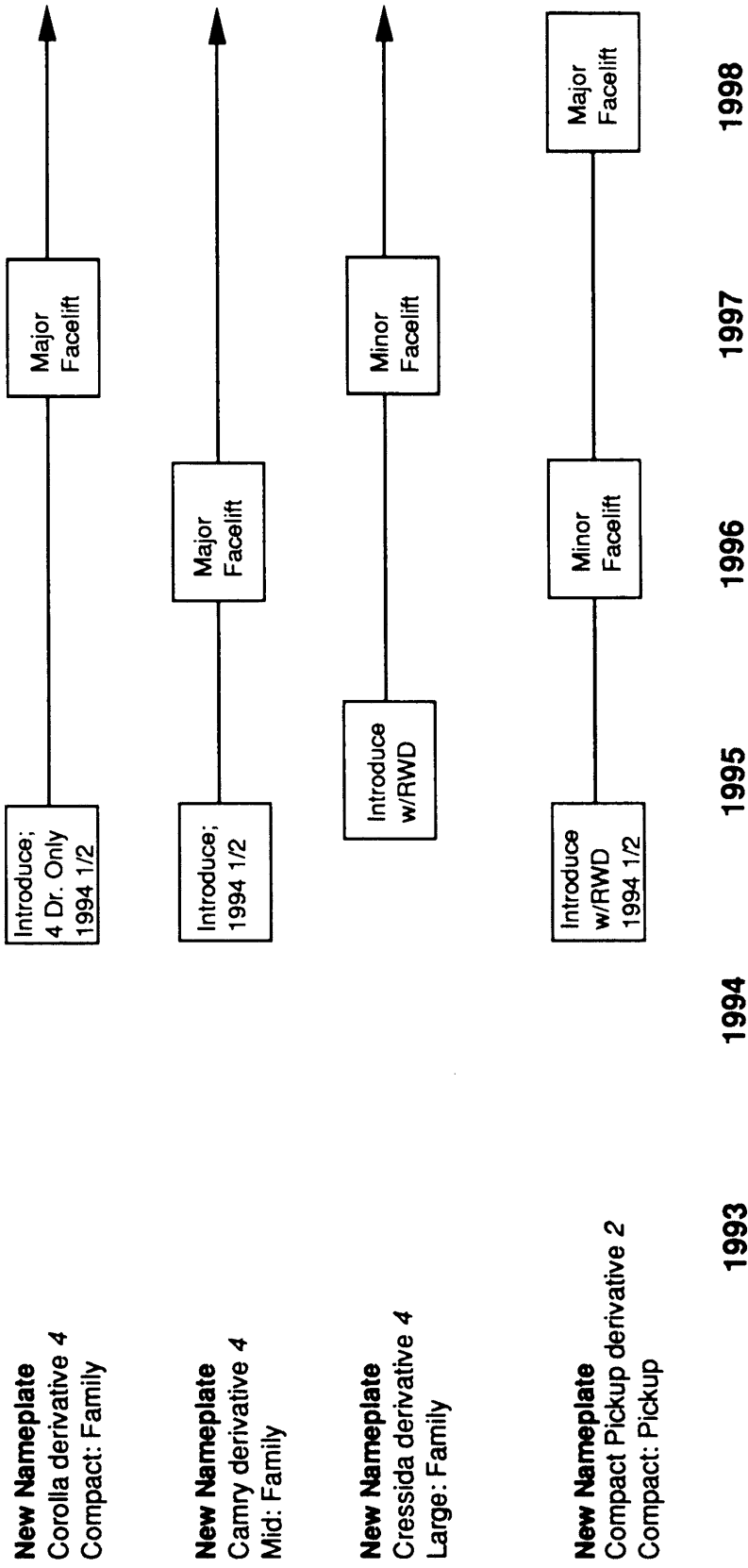




Toyota Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI) 1992



Toyota Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI) 1992

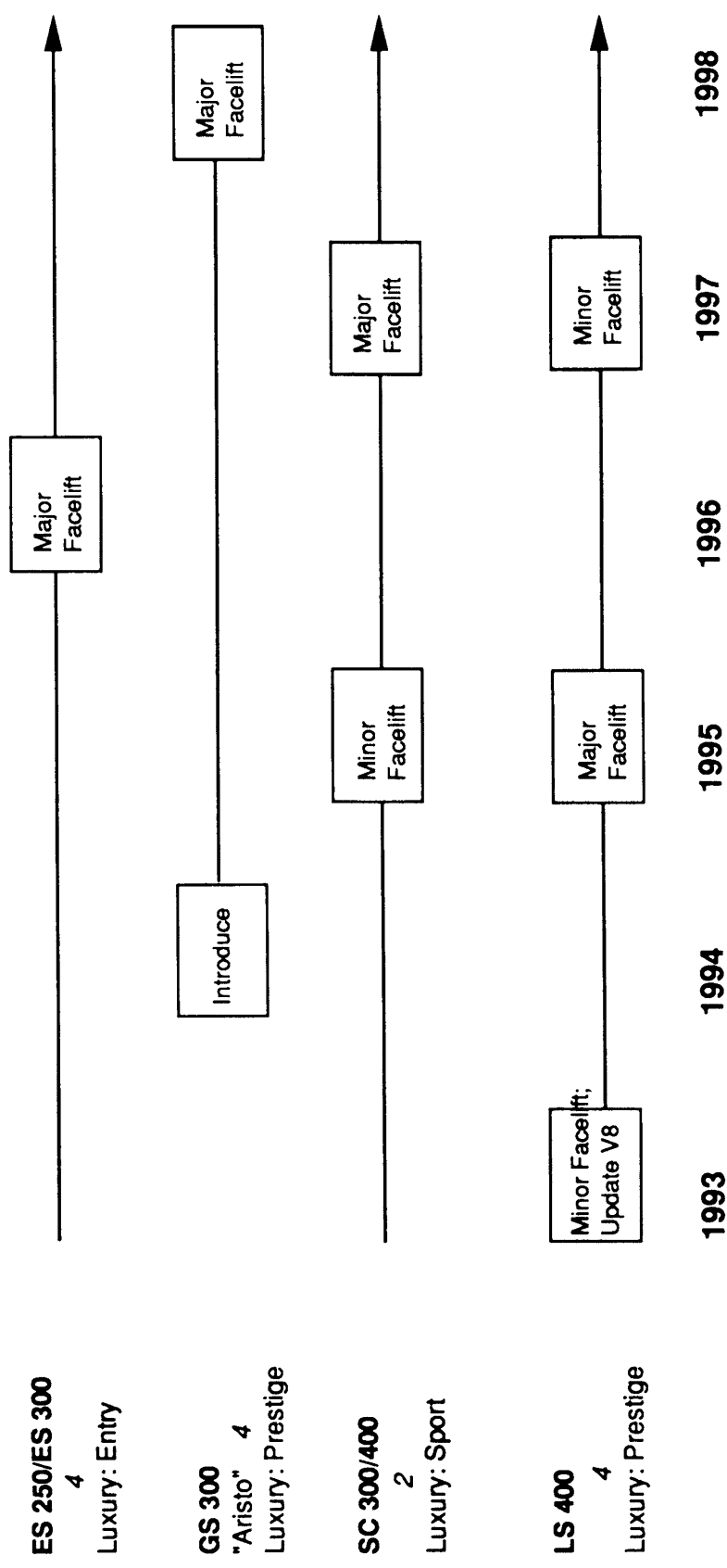


New Nameplate
 Corolla derivative 4
 Compact: Family

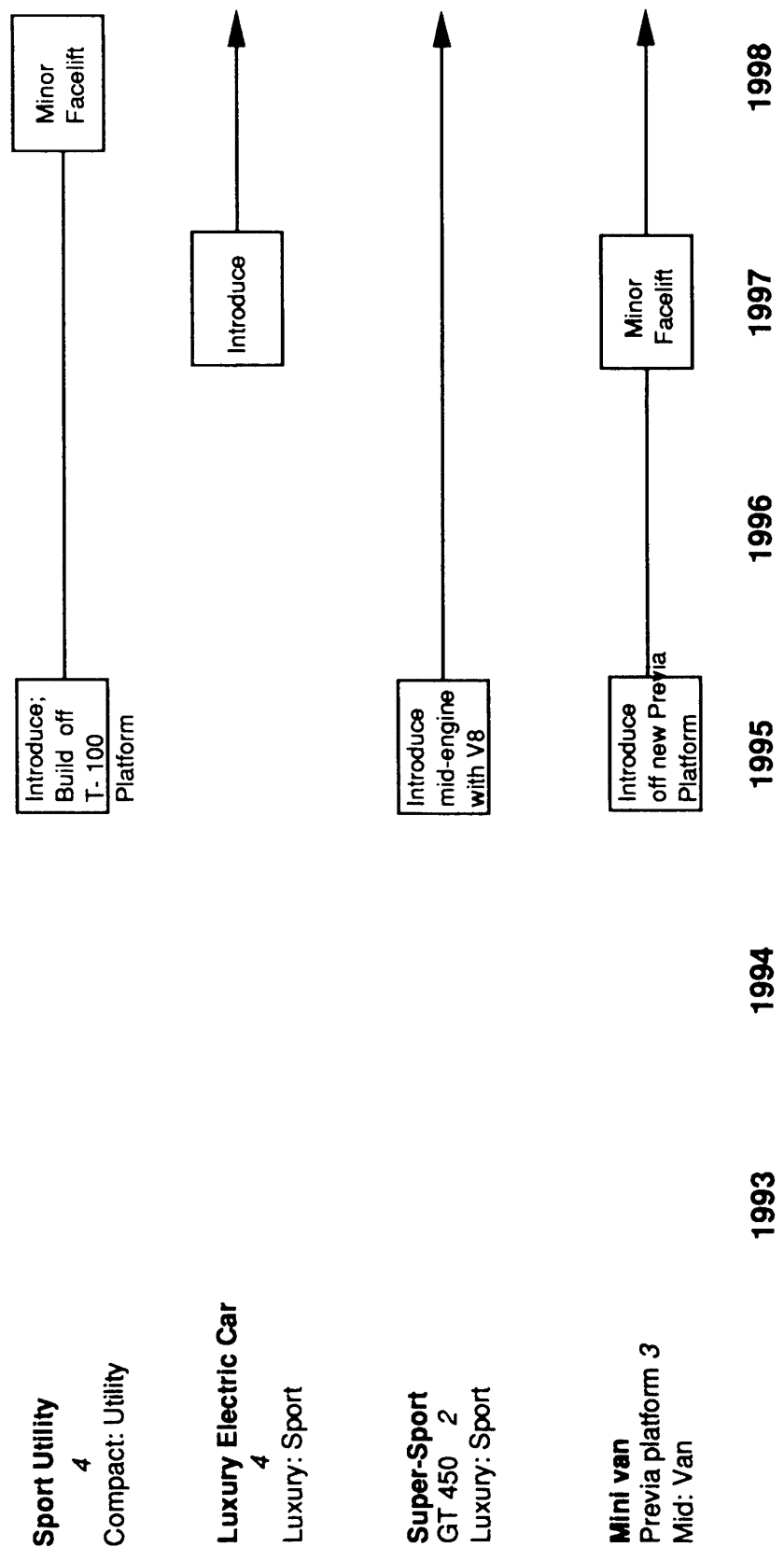
New Nameplate
 Camry derivative 4
 Mid: Family

New Nameplate
 Cressida derivative 4
 Large: Family

New Nameplate
 Compact Pickup derivative 2
 Compact: Pickup



Lexus Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



Sport Utility
4

Compact: Utility

Luxury Electric Car
4

Luxury: Sport

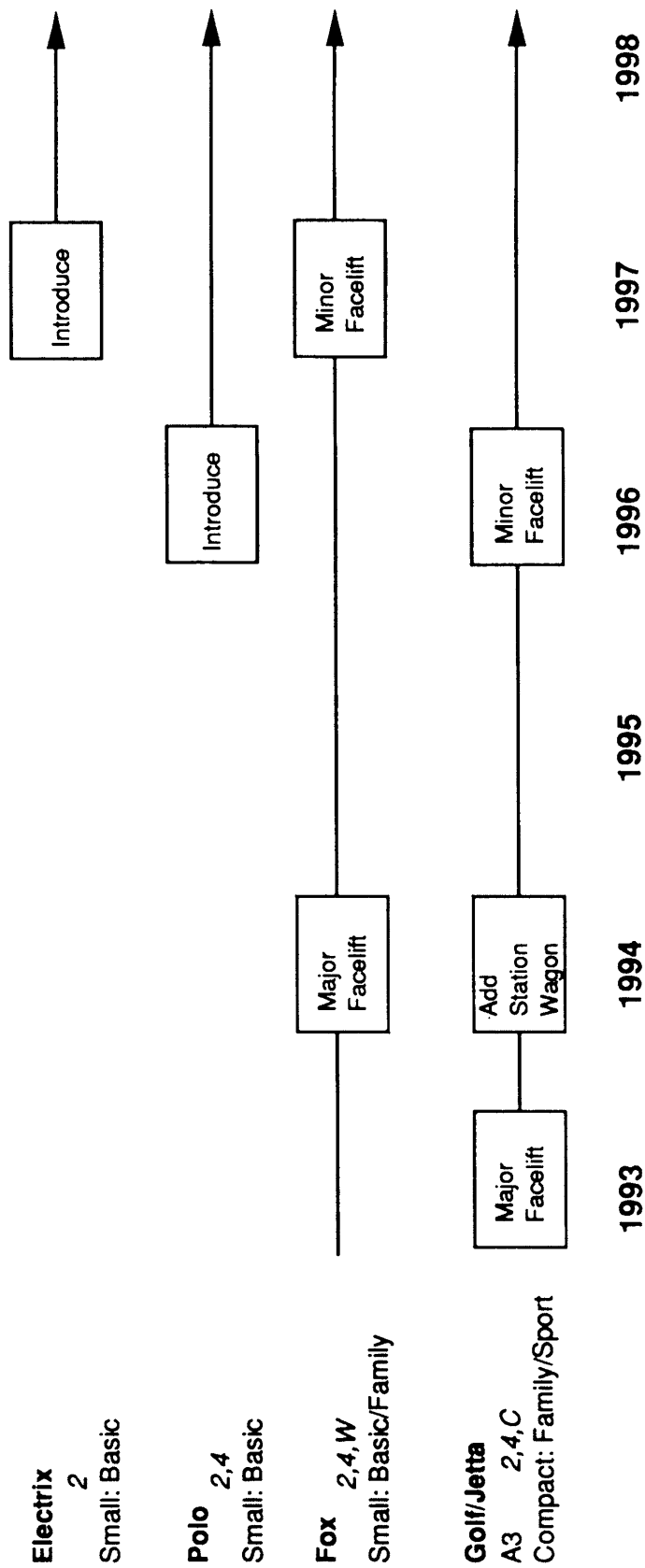
Super-Sport
GT 450 2

Luxury: Sport

Mini van

Previa platform 3

Mid: Van

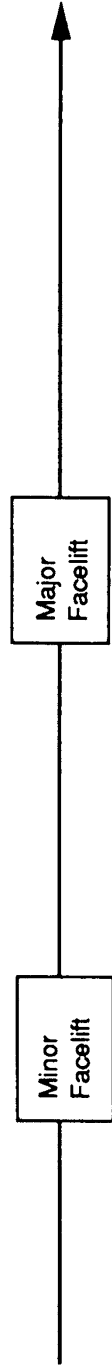


VW Vehicle Program Timing - MARCH 1993 (© 1993 OSAT, UMTRI)

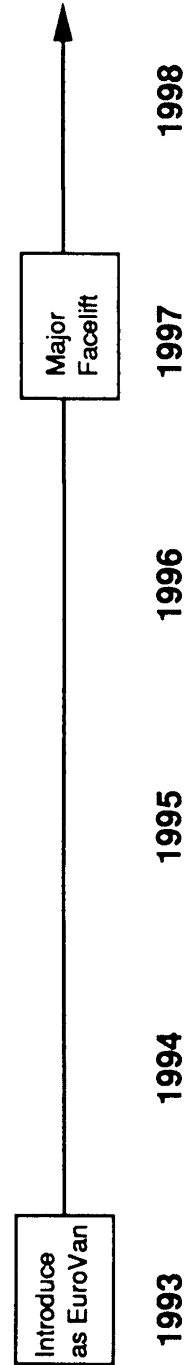
Corrado
2
Sport: Mid



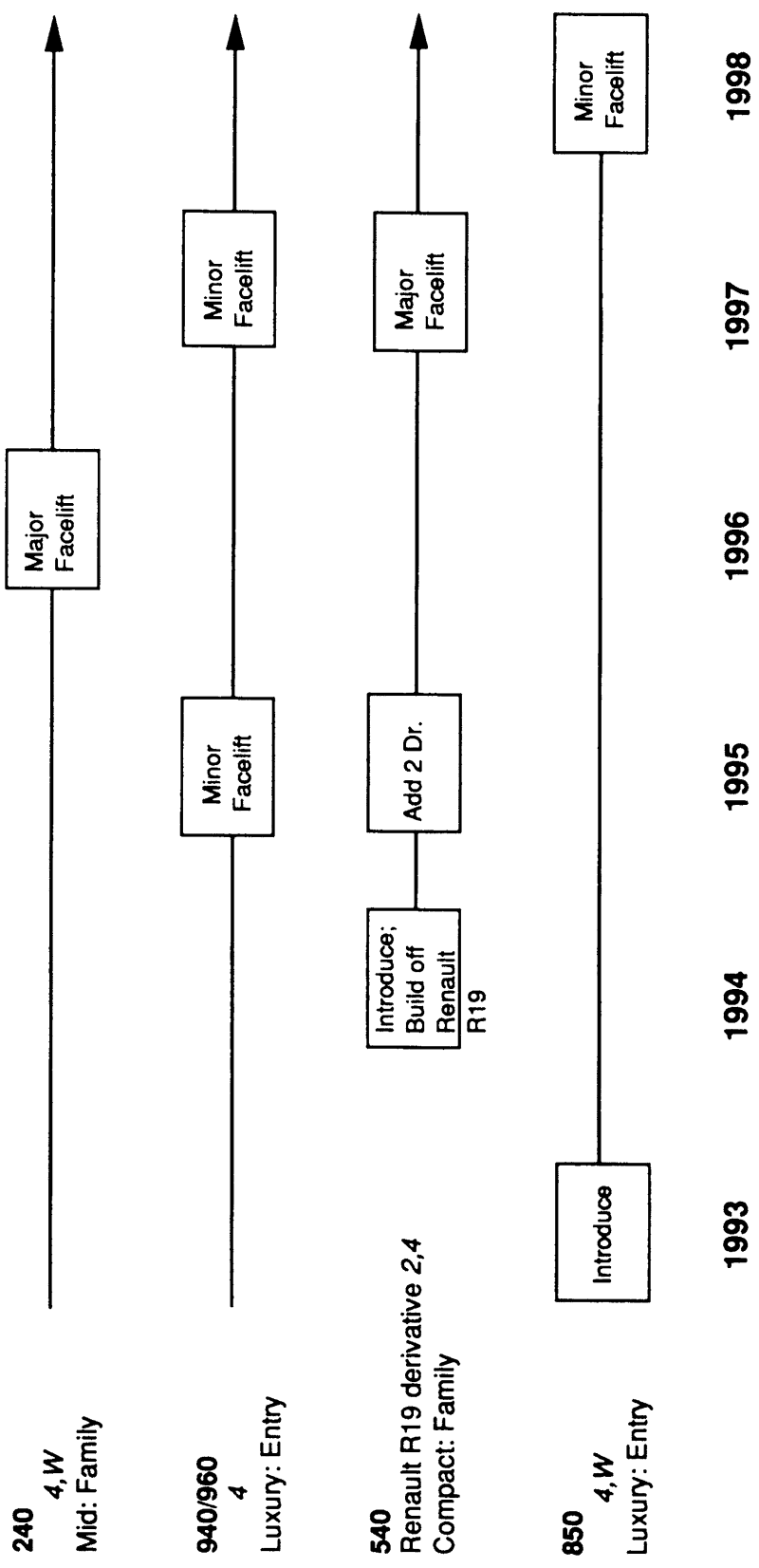
Passat
B3 4, W
Mid: Family



Mini van
3
Mid: Van



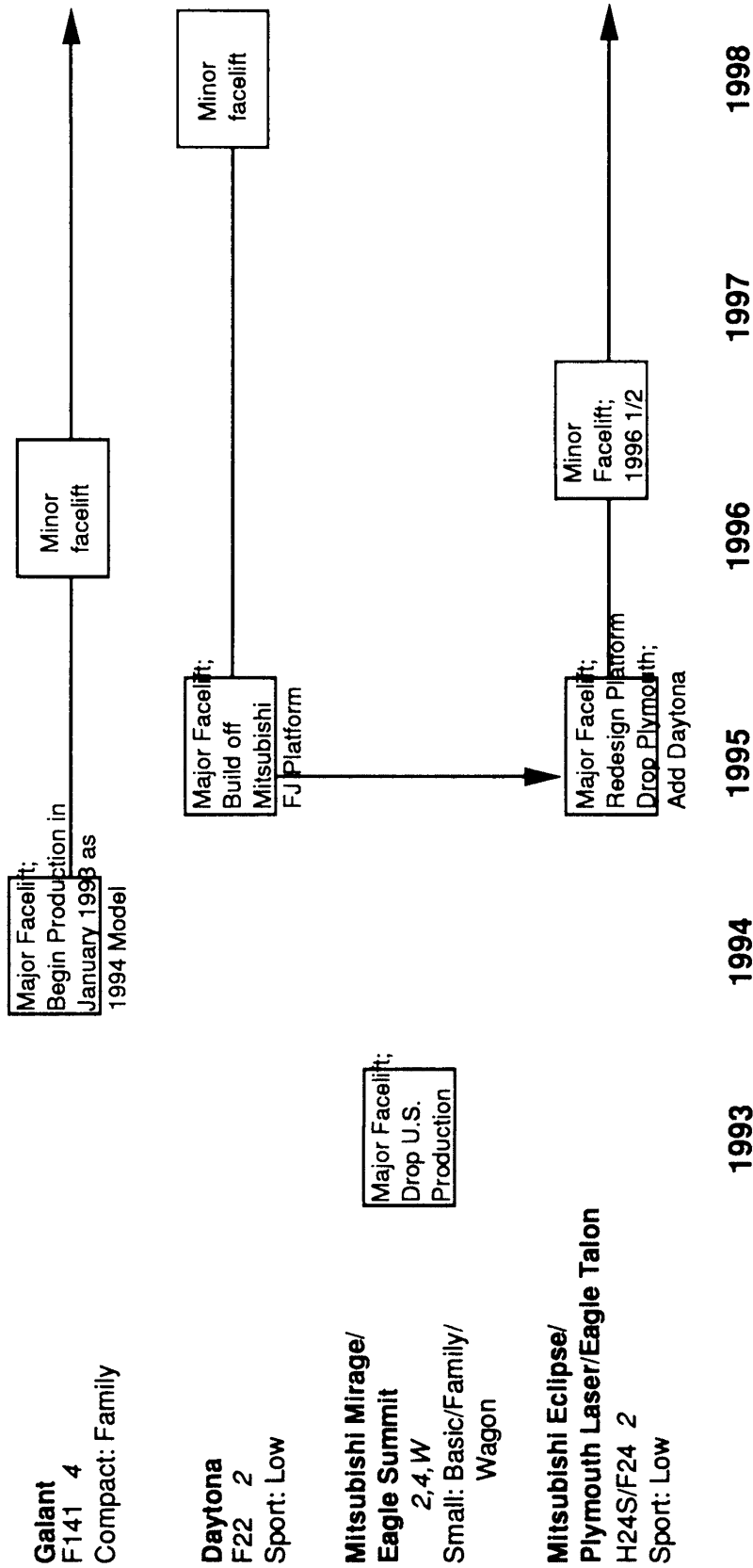
1993 1994 1995 1996 1997 1998

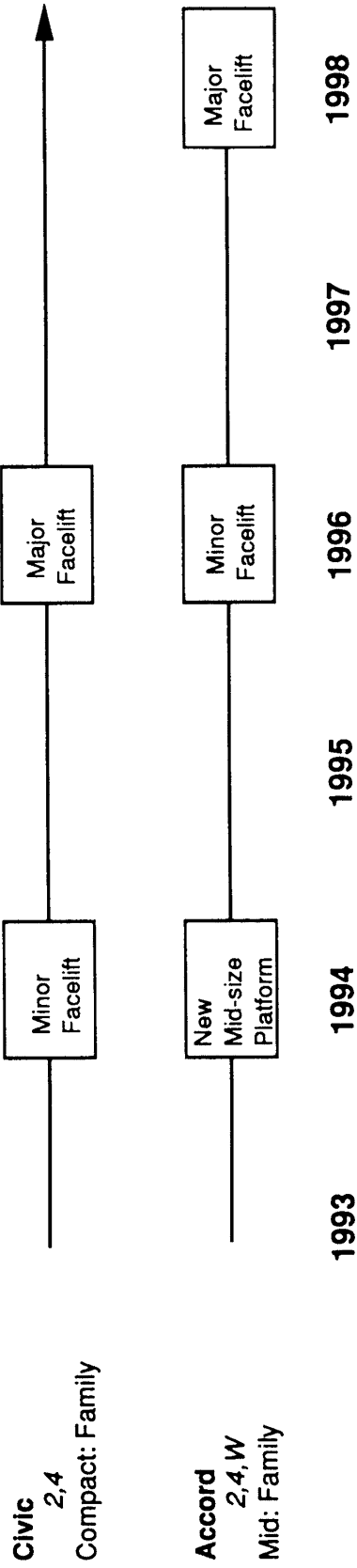


Volvo Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)

Transplants

VEHICLE PROGRAM TIMING





Honda of America Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)

626/MX-6
2,4

Compact: Family/Sport

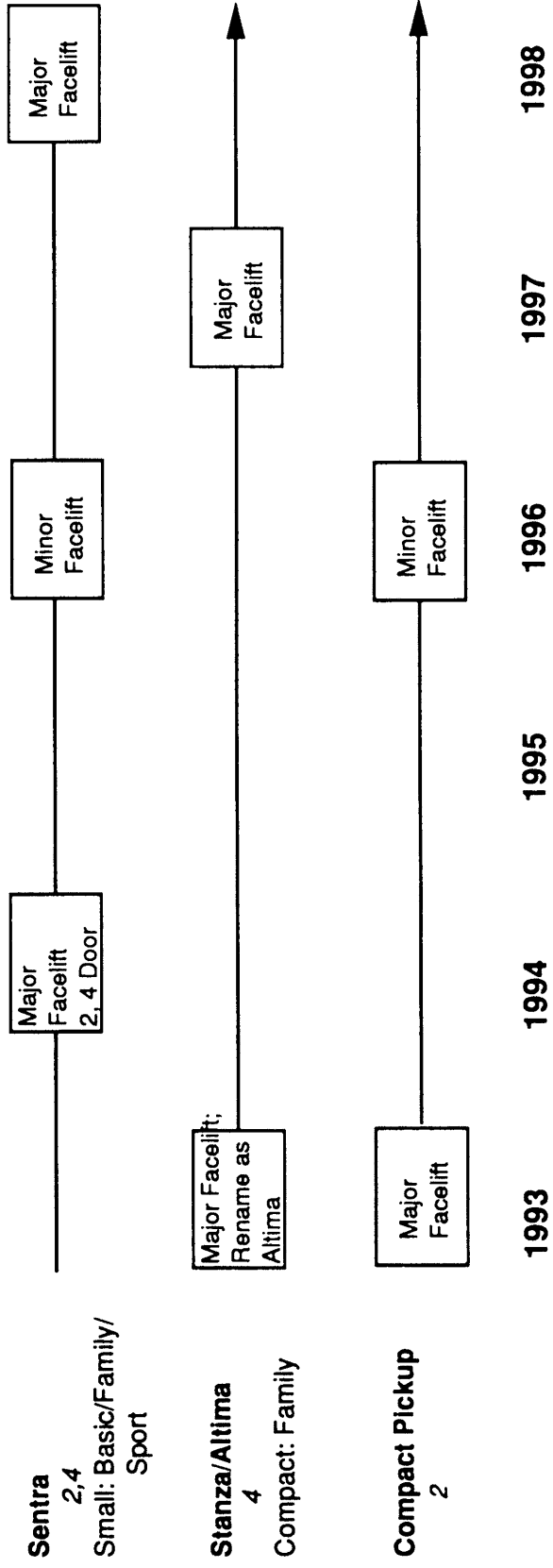


Ford Probe
2

Sport: Mid



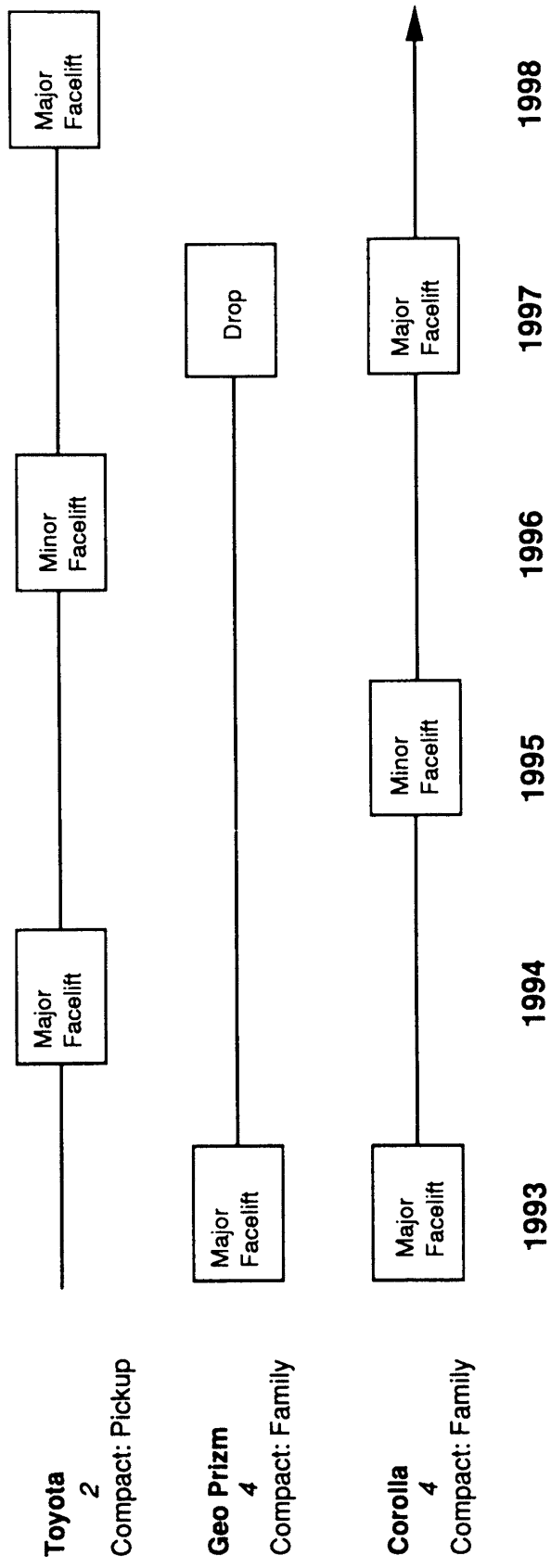
1993 1994 1995 1996 1997 1998



Sentra
2,4
Small: Basic/Family/
Sport

Stanza/Altima
4
Compact: Family

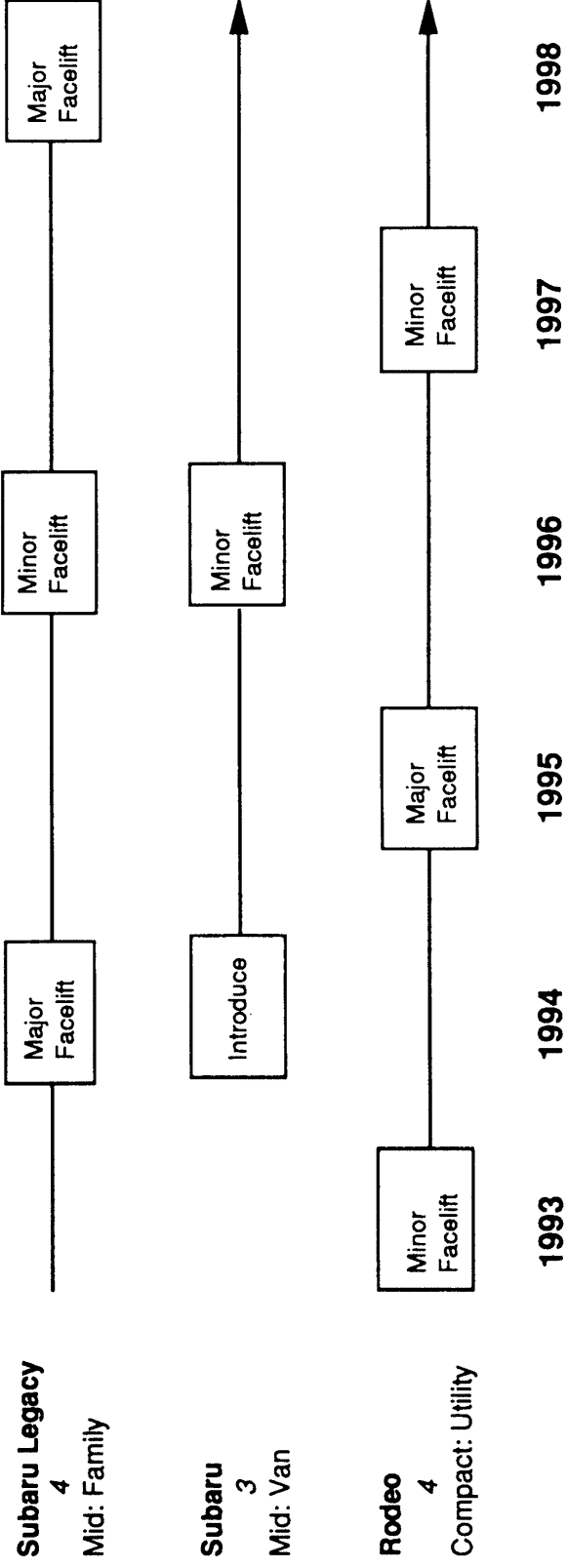
Compact Pickup
2



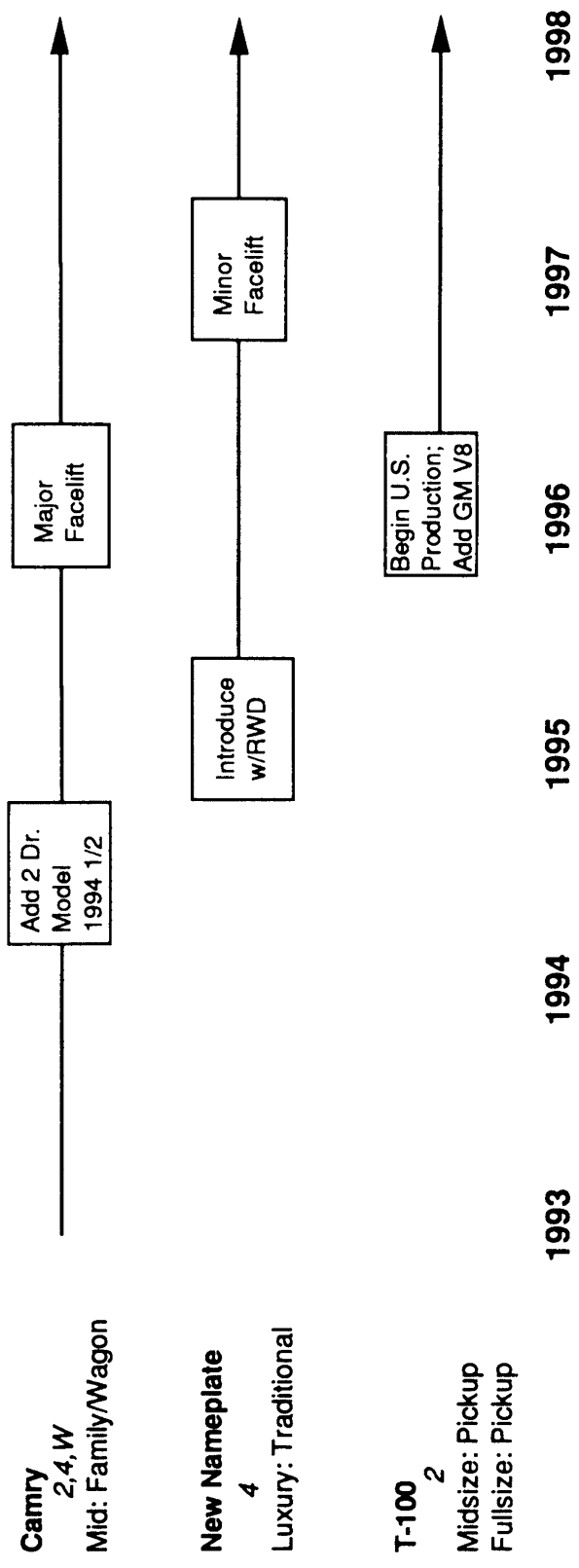
Toyota
2
Compact: Pickup

Geo Prizm
4
Compact: Family

Corolla
4
Compact: Family



Subaru-Isuzu Vehicle Program Timing - March 1993 (© 1993 OSAT, UMTRI)



Toyota Motor Mfg. USA Program Timing - March 1993 (© 1993 OSAT, UMTRI)

General Motors Corporation

ENGINE PROGRAM TIMING

1.8 L (Opel Derivative)
Family III
4 Valve

Introduce

1.9 L
L4
2/4 Valve
Saturn

Add 2.2L
Derivative
For Midsize;
Add Supercharger
For Coupe

2.2 L
L4
2 Valve
Small/
midsize/small truck

Internal and
Fuel System
Improvements

2.3L
L4
24 Valve
Quad 4
Small/
midsize

Major
Redesign;
2/4 valve

2.5L
L4
2 Valve
Small/midsize

Drop

1993

1994

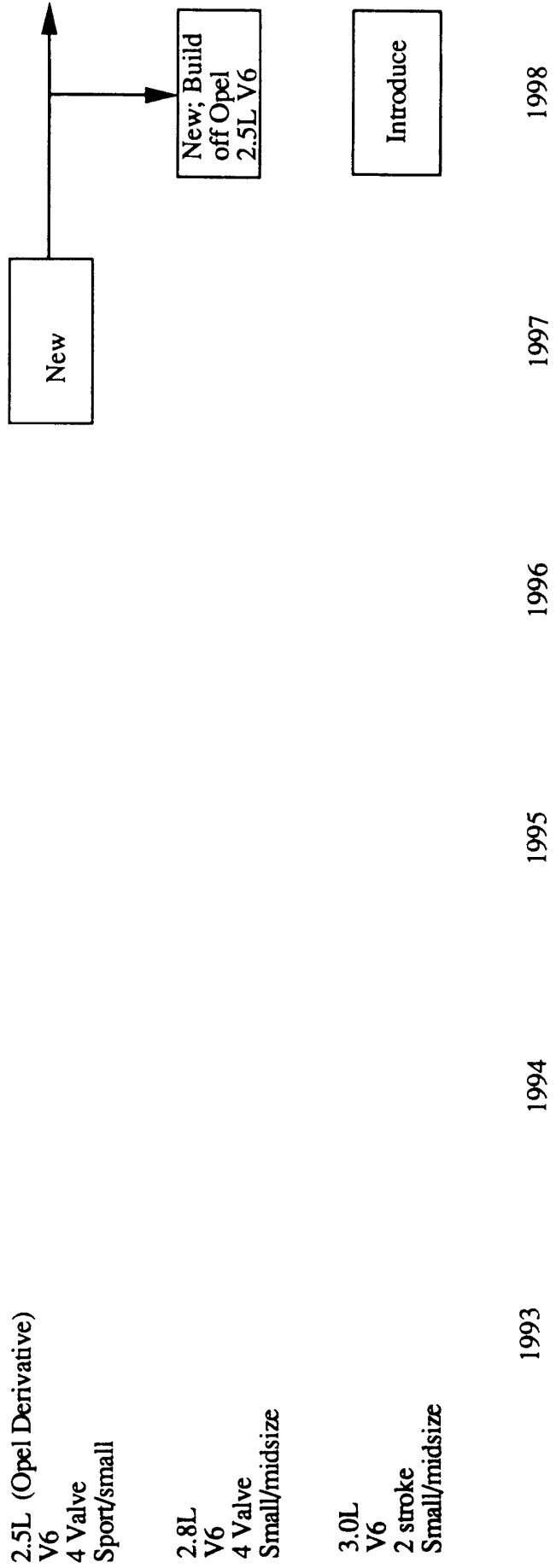
1995

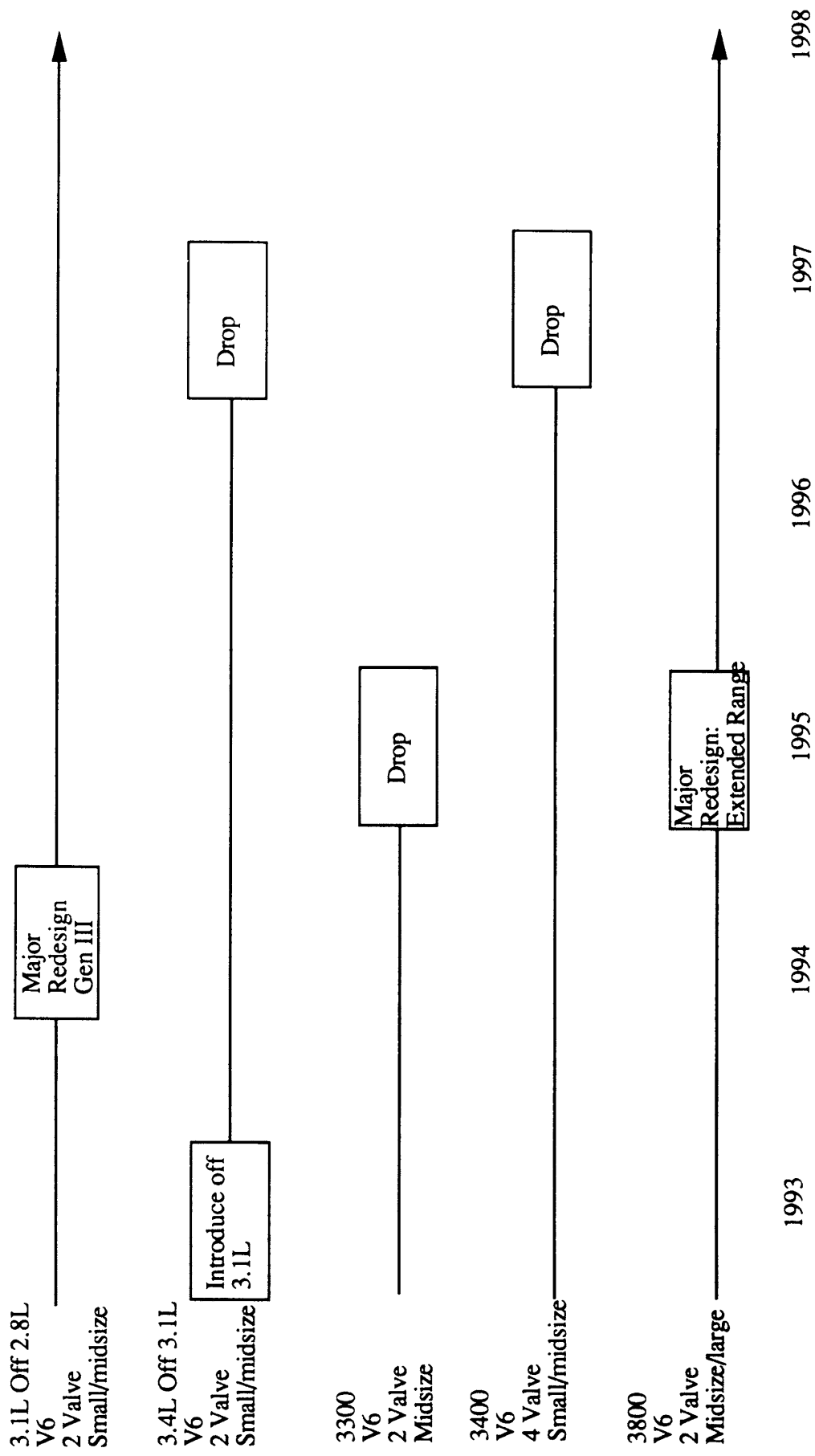
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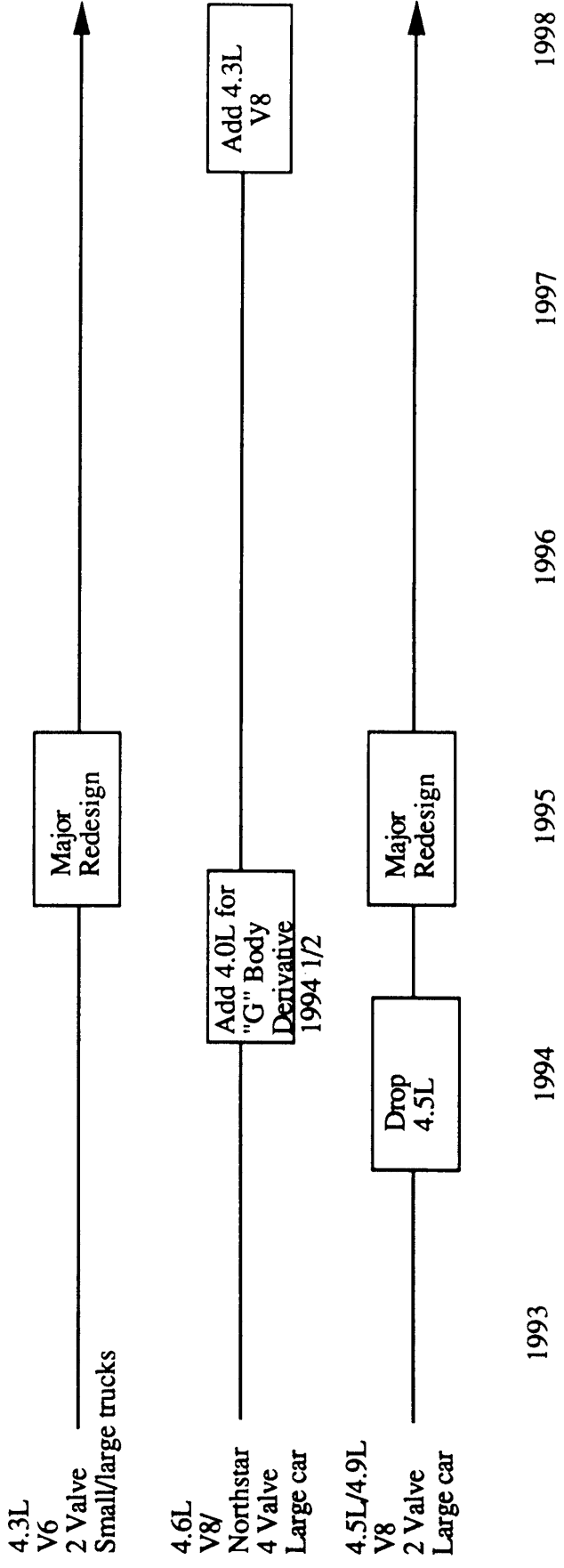
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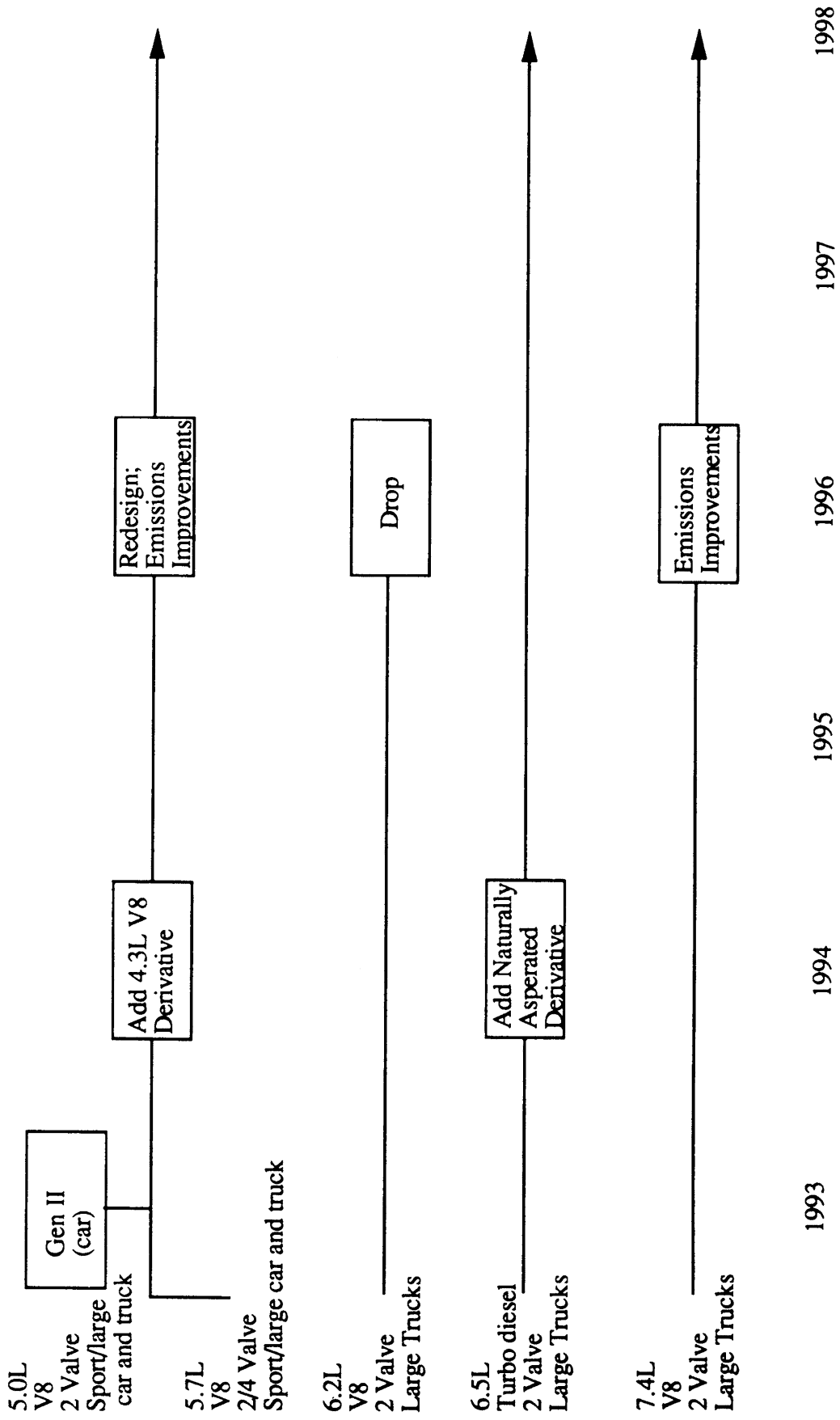




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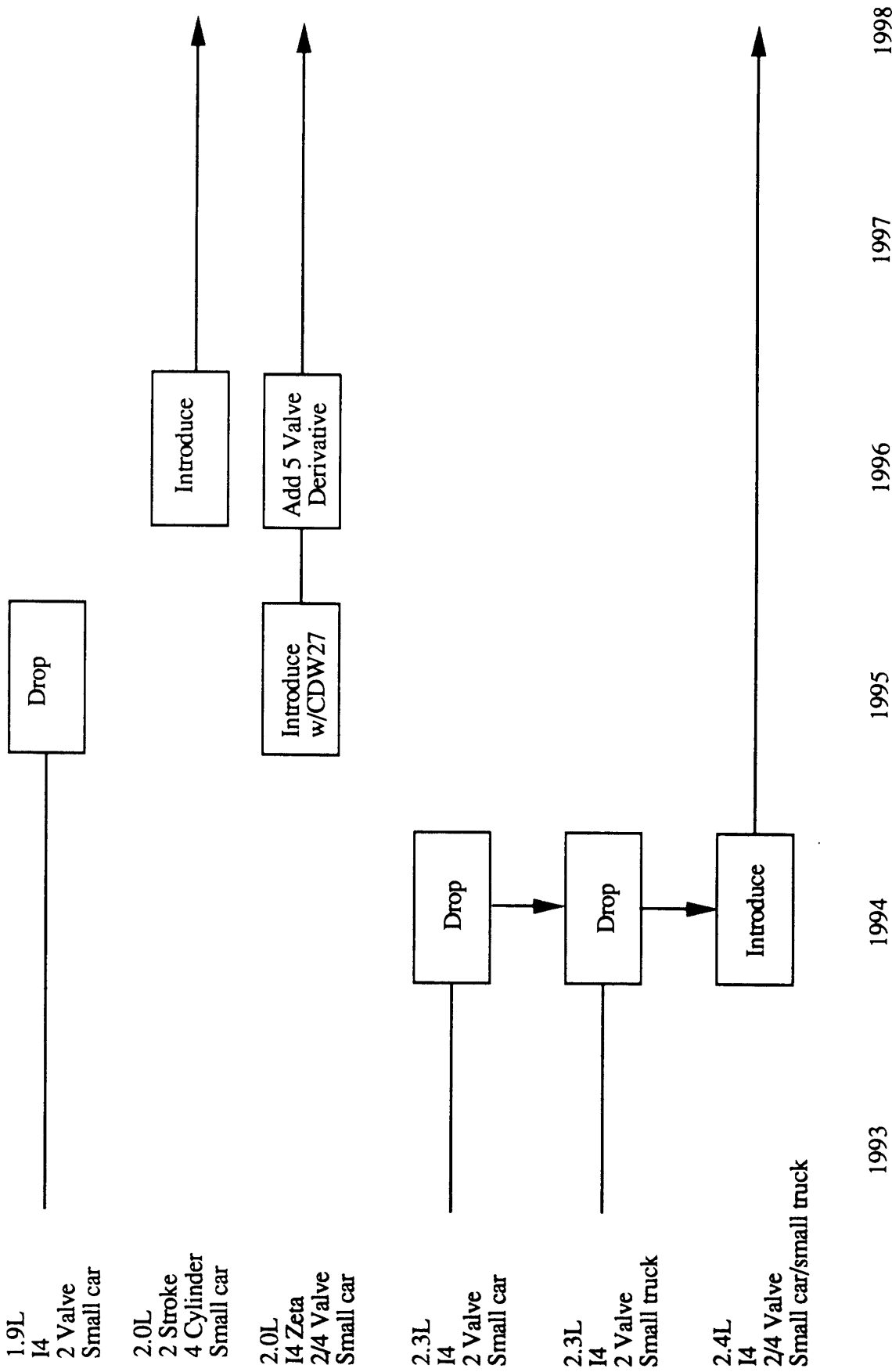


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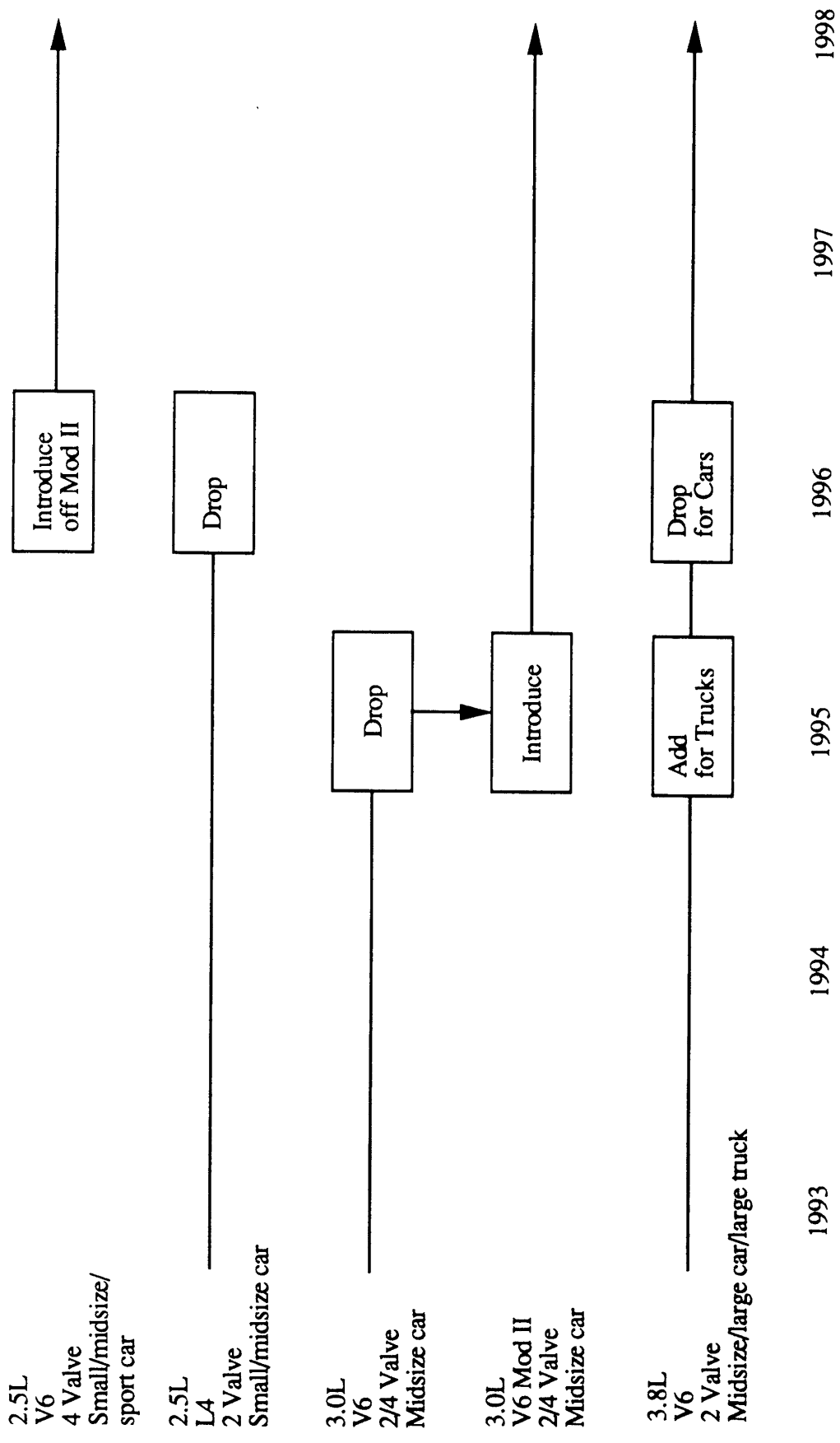


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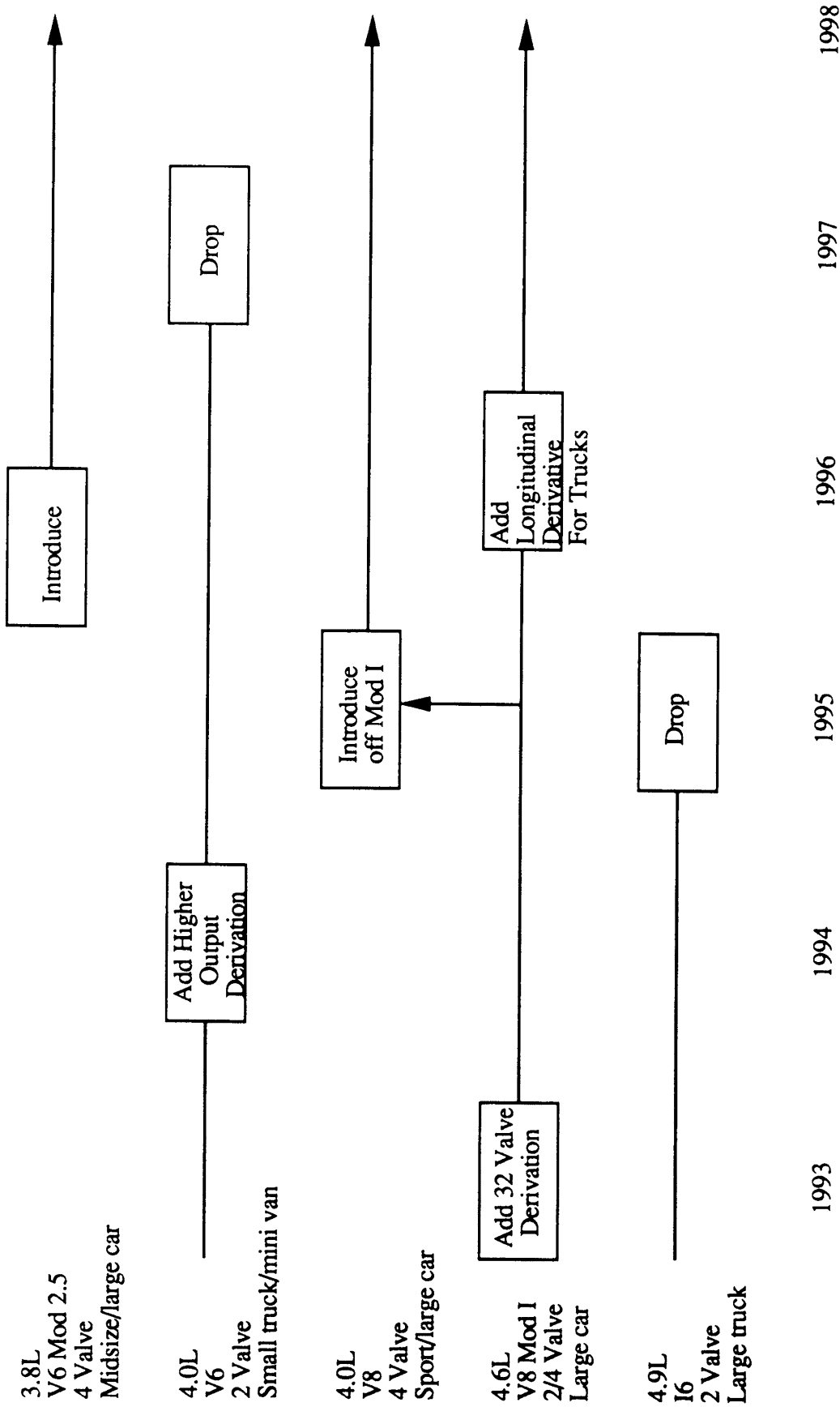
Ford Motor Company
ENGINE PROGRAM TIMING



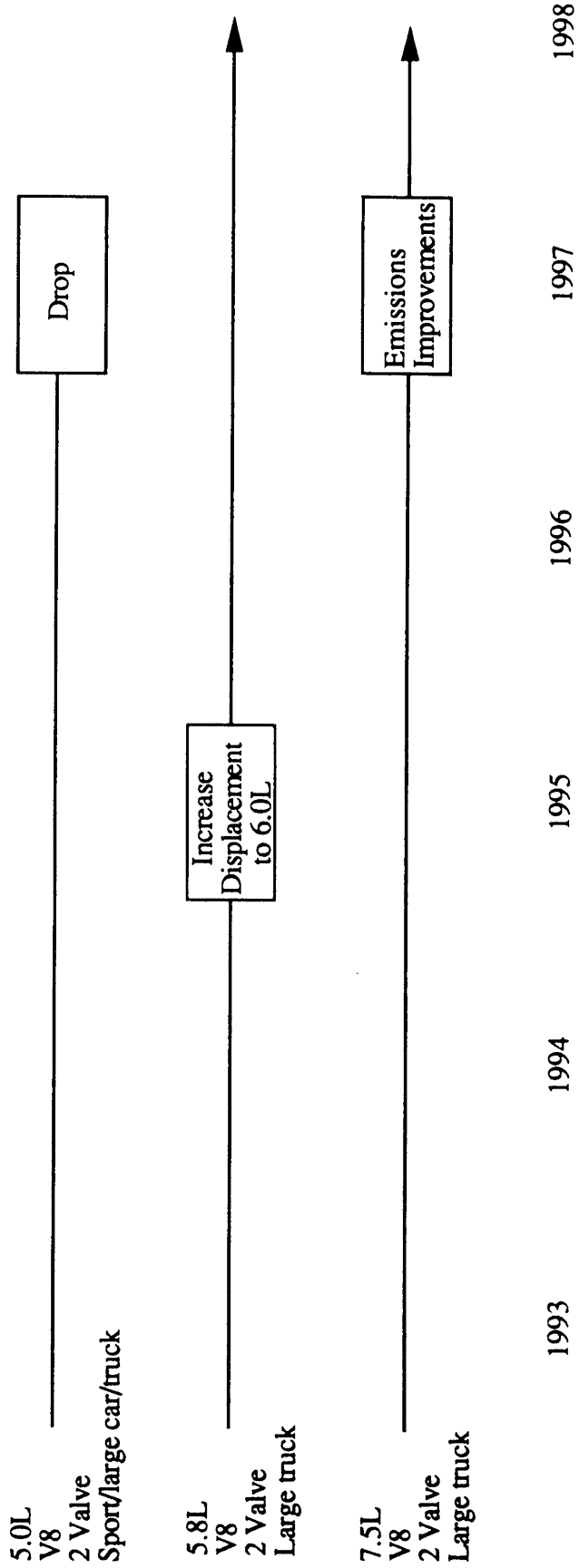
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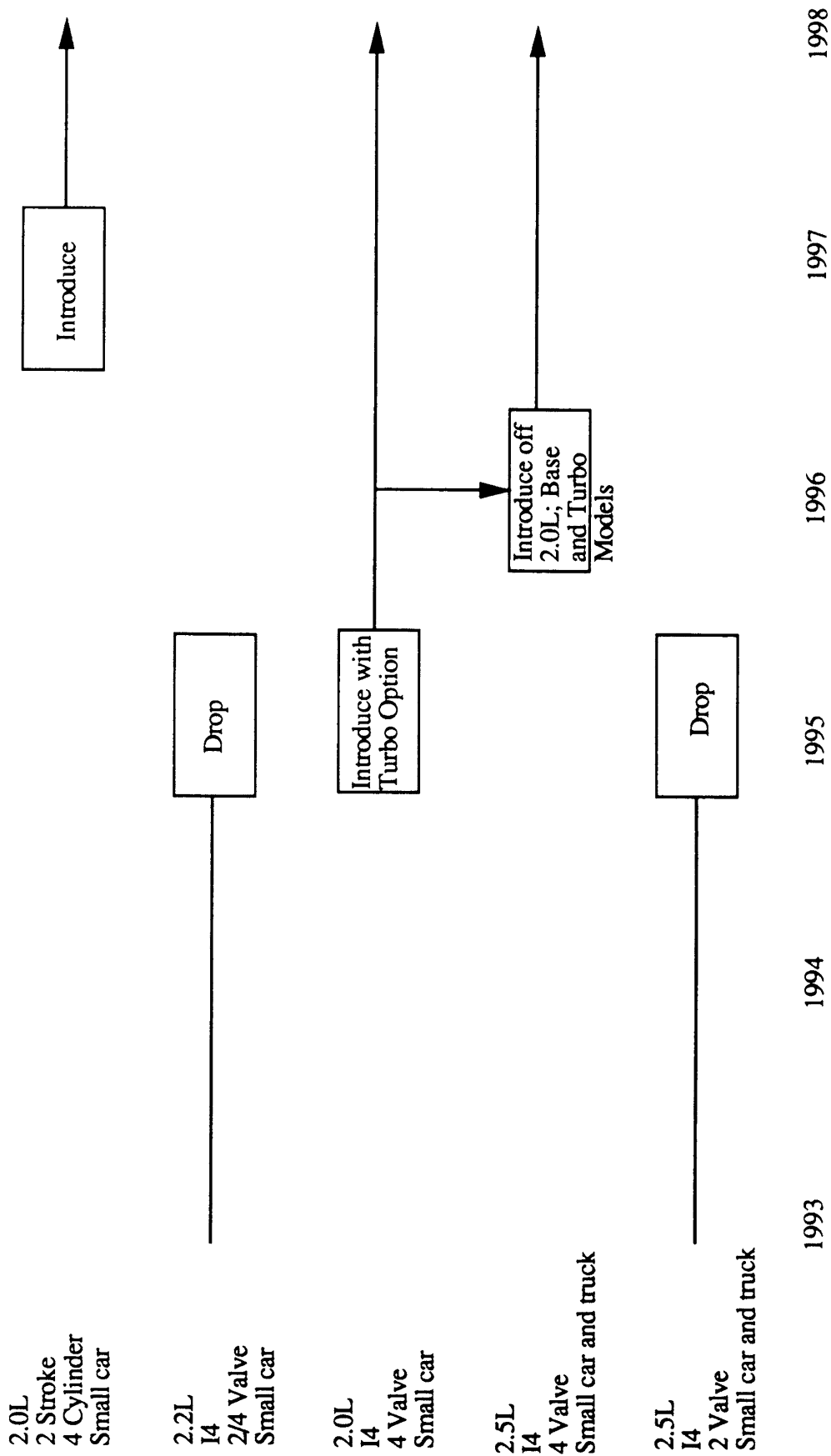


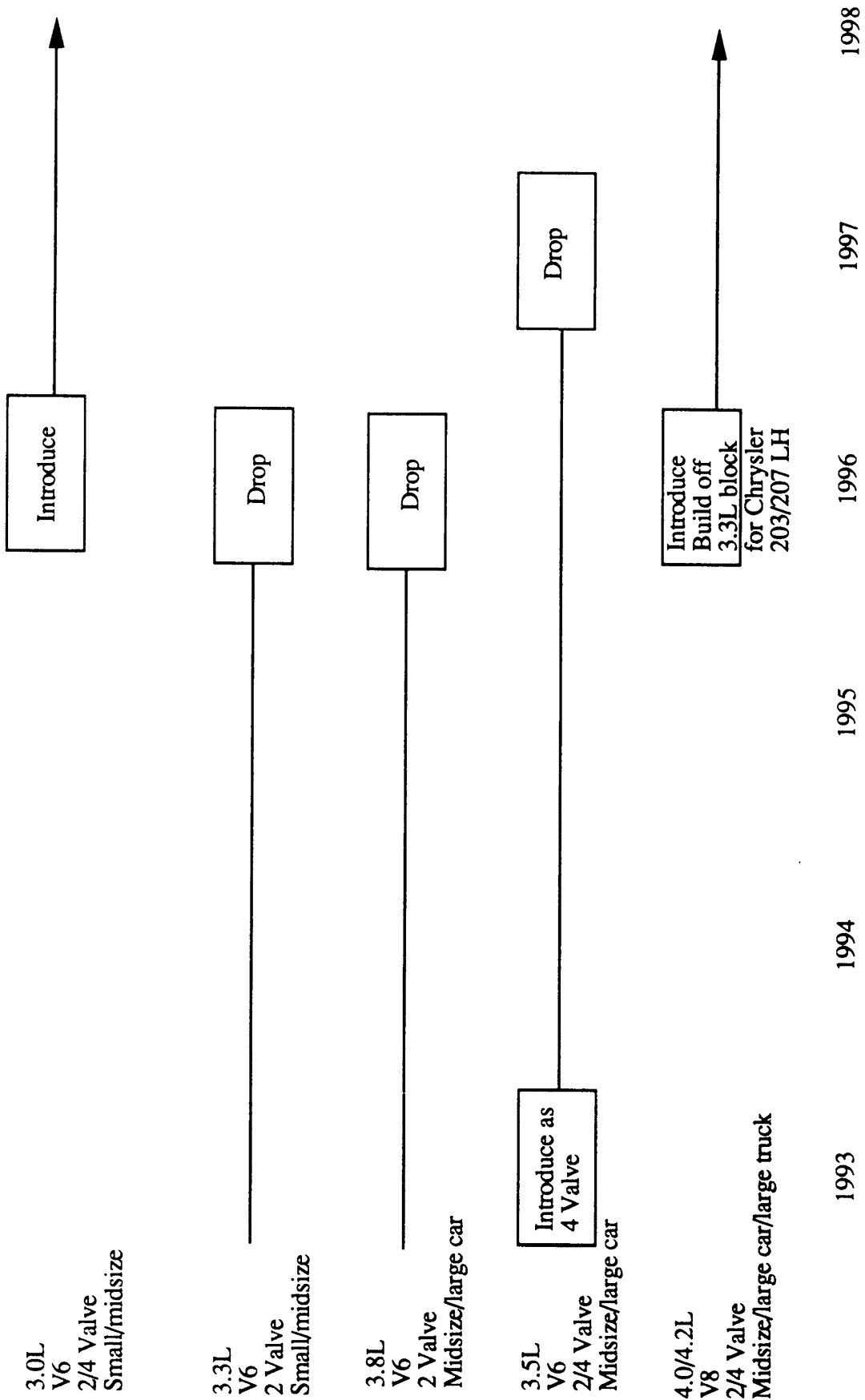
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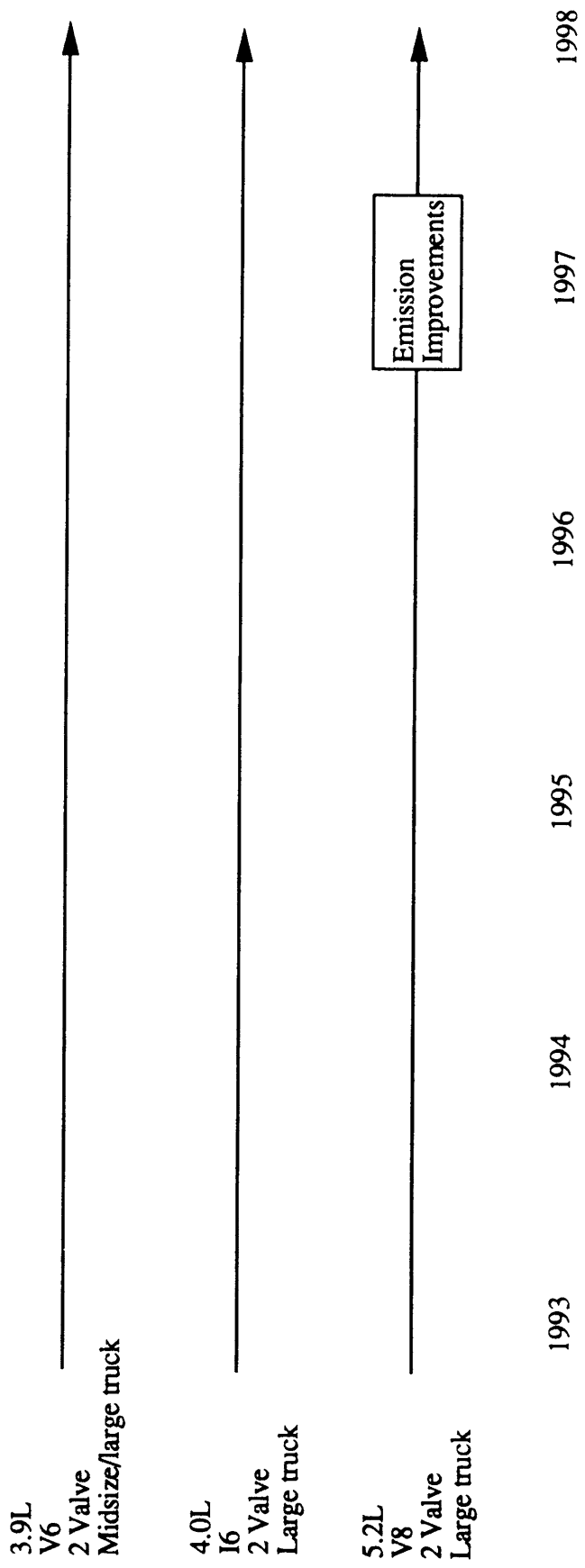
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ENGINE PROGRAM TIMING

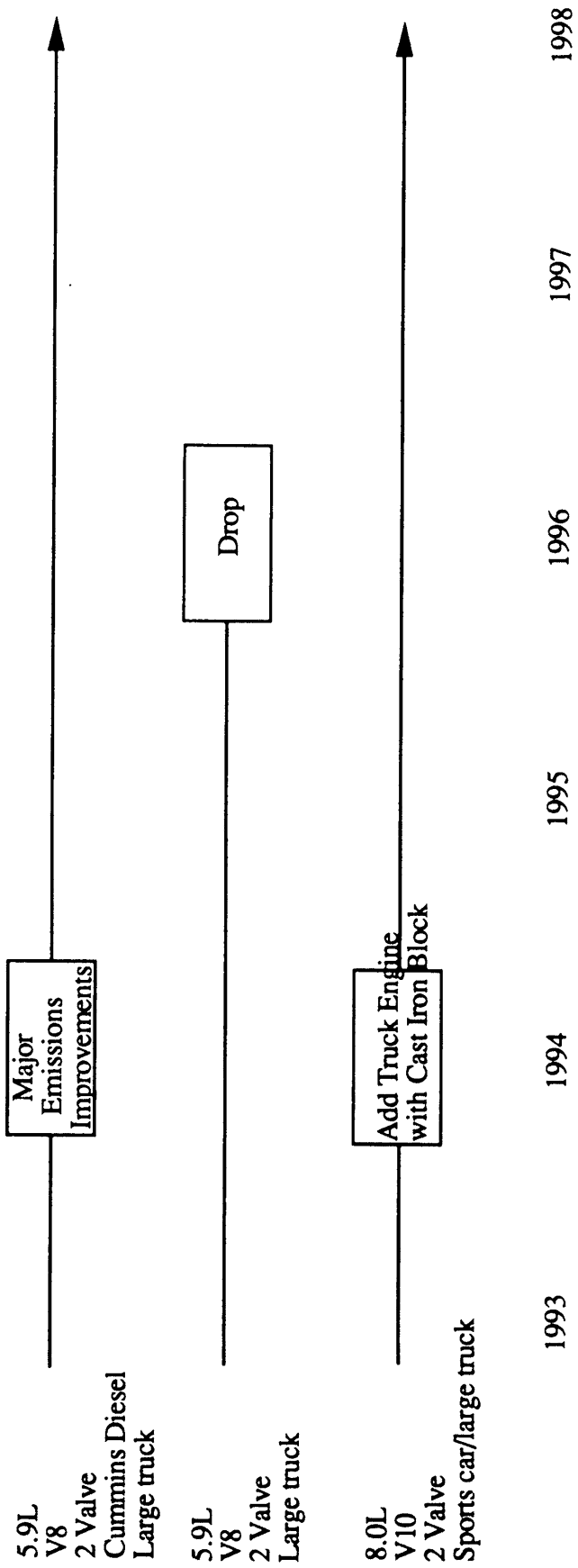




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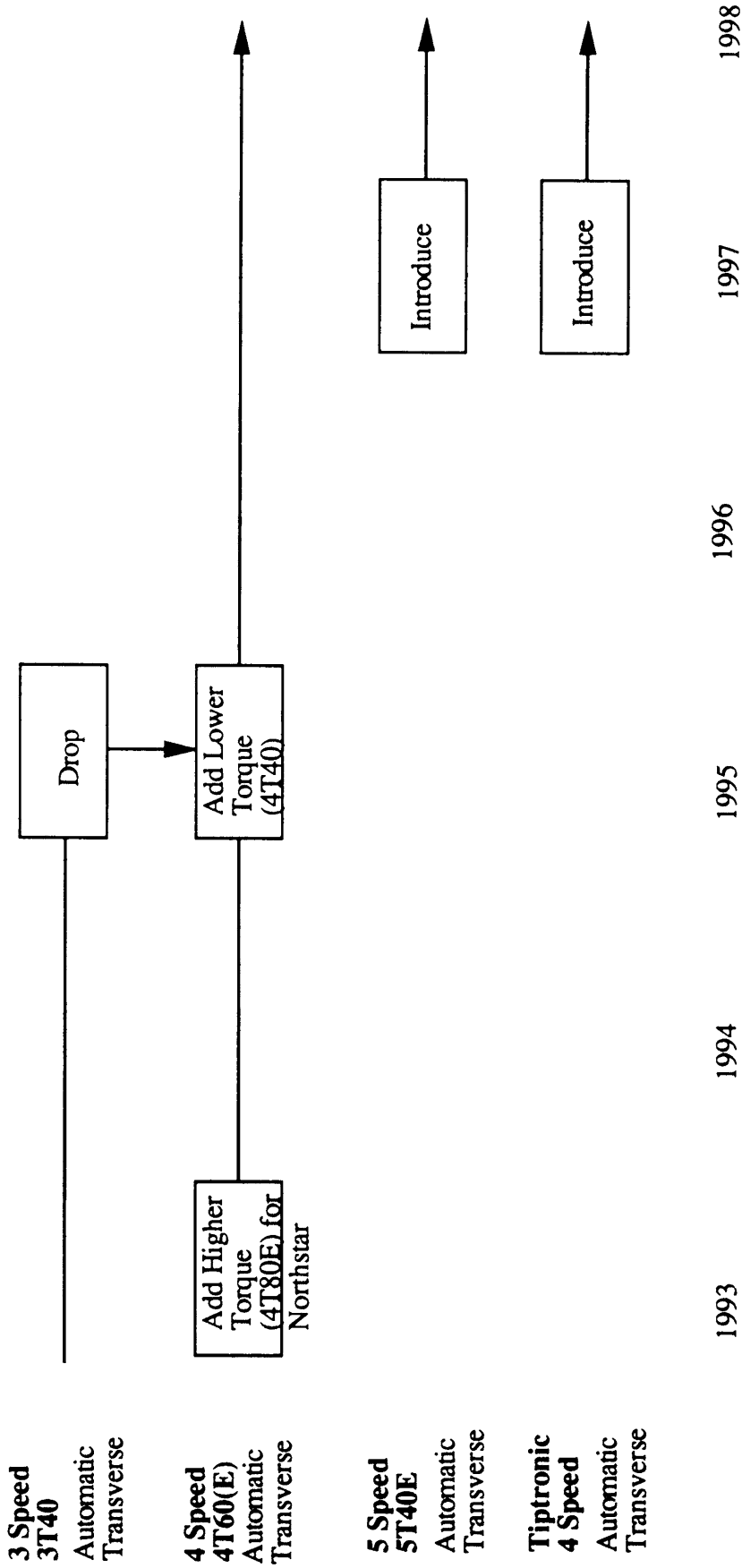


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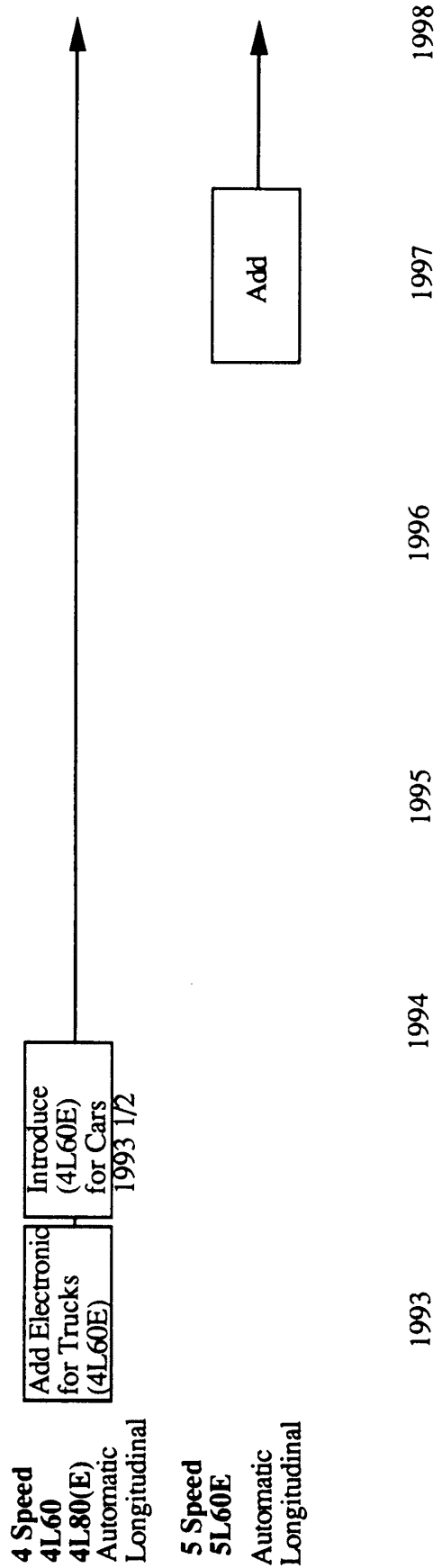


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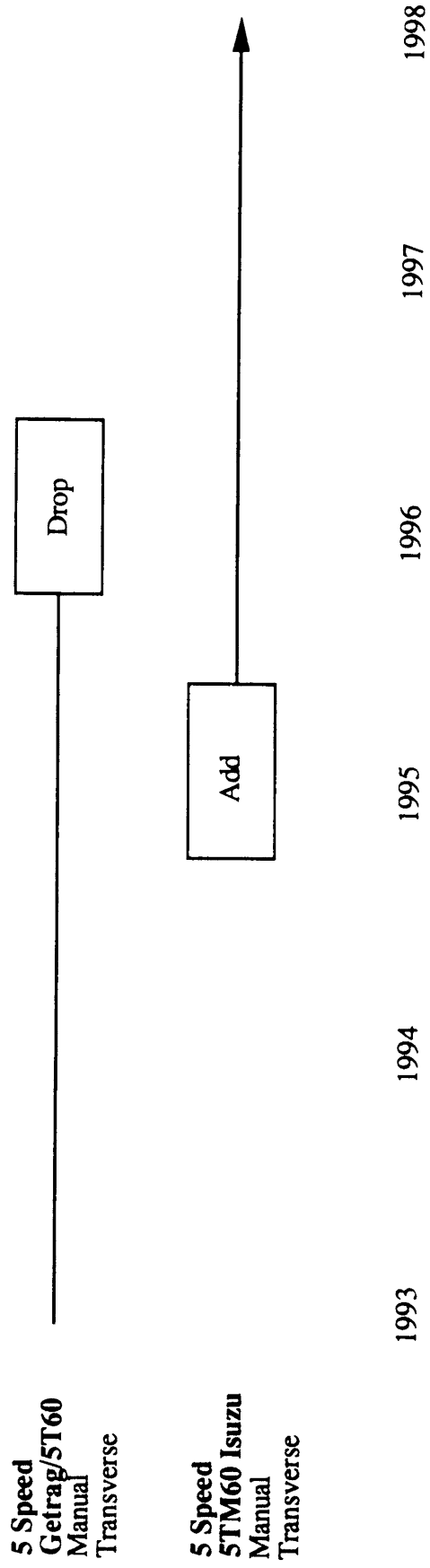
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TRANSMISSION PROGRAM TIMING

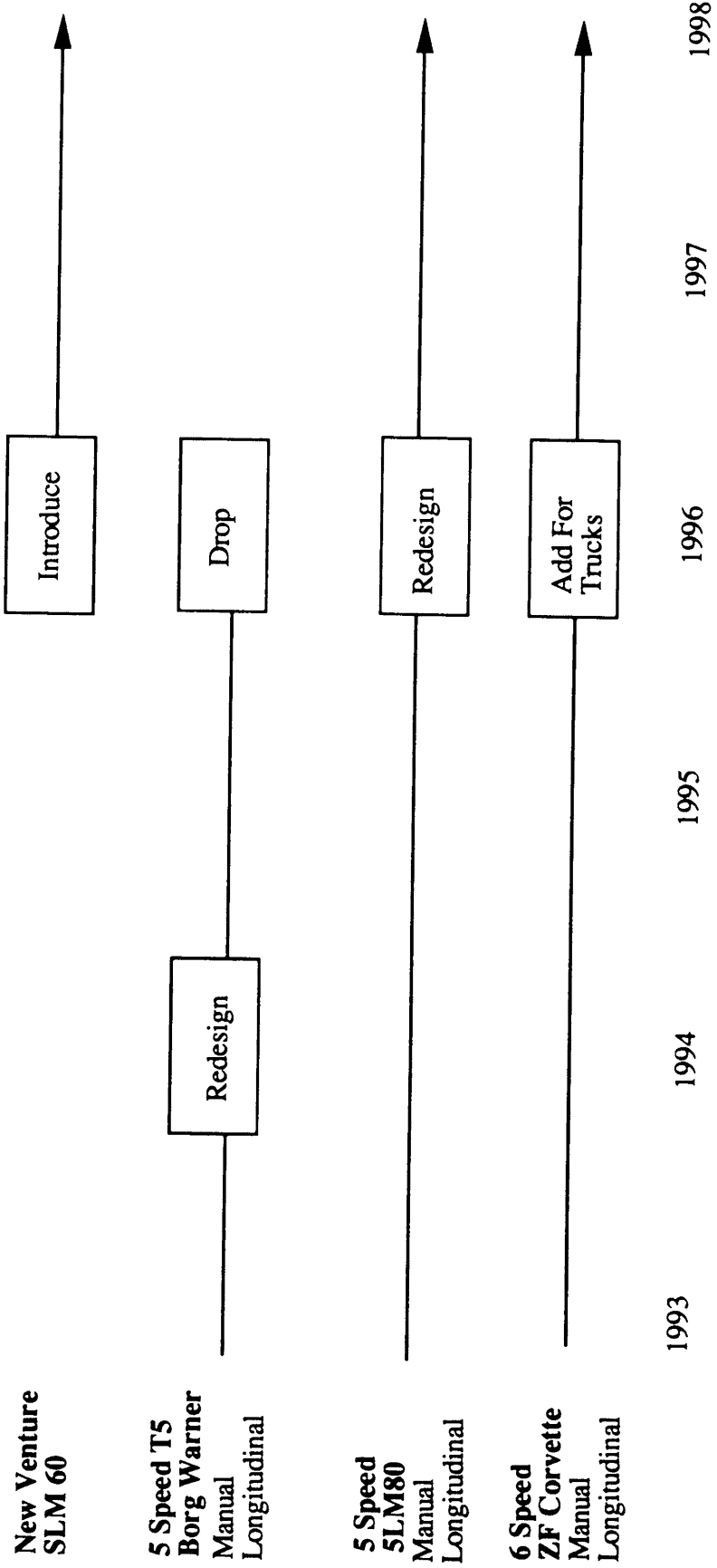


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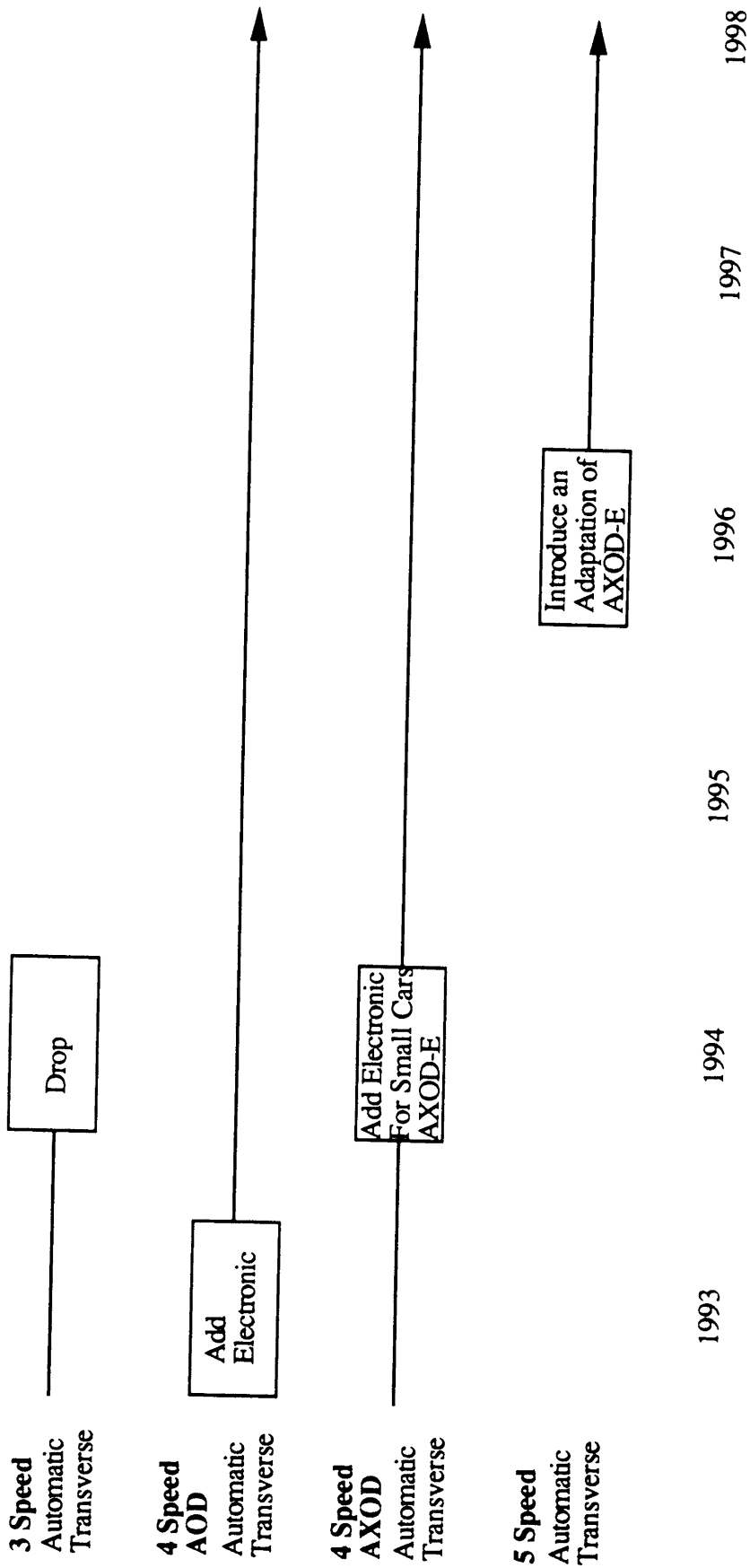




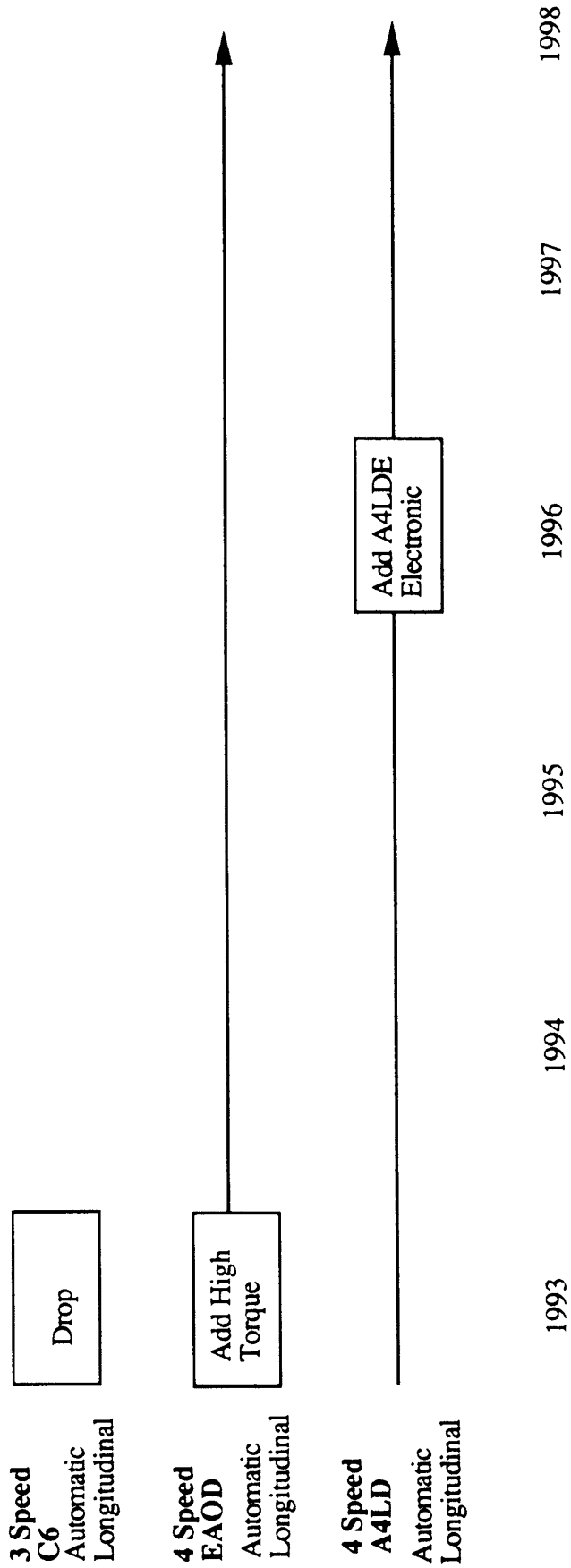
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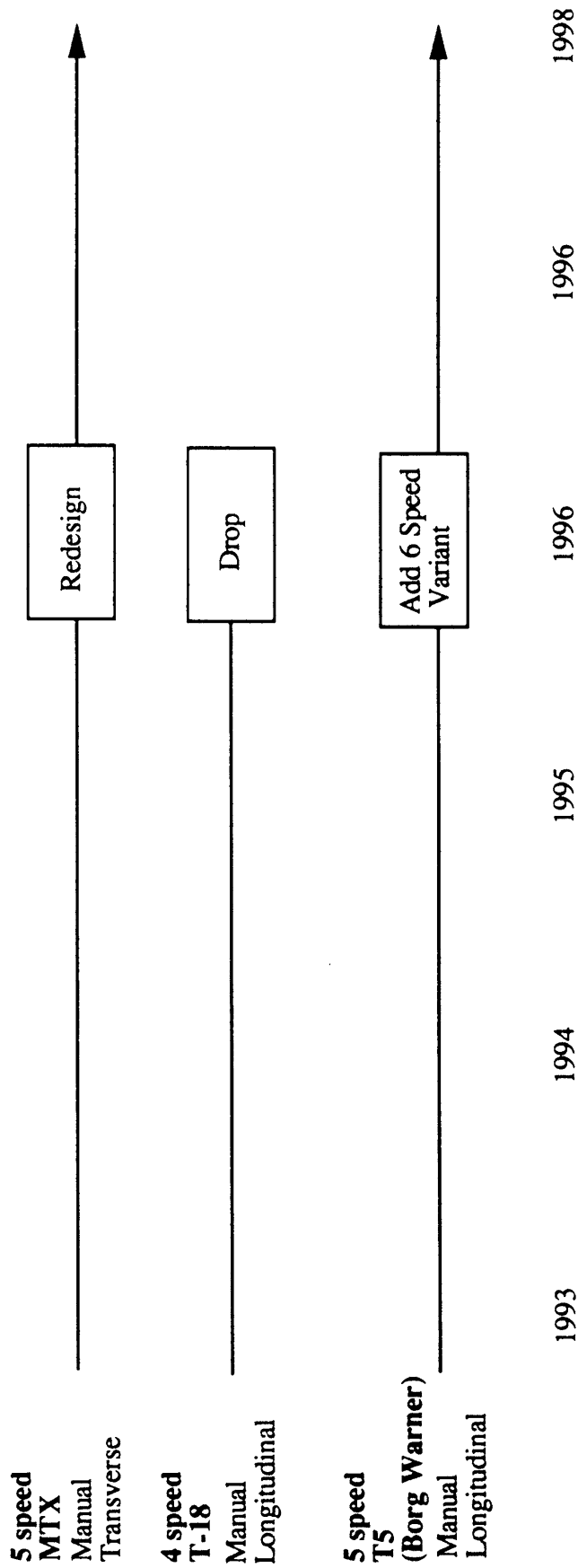
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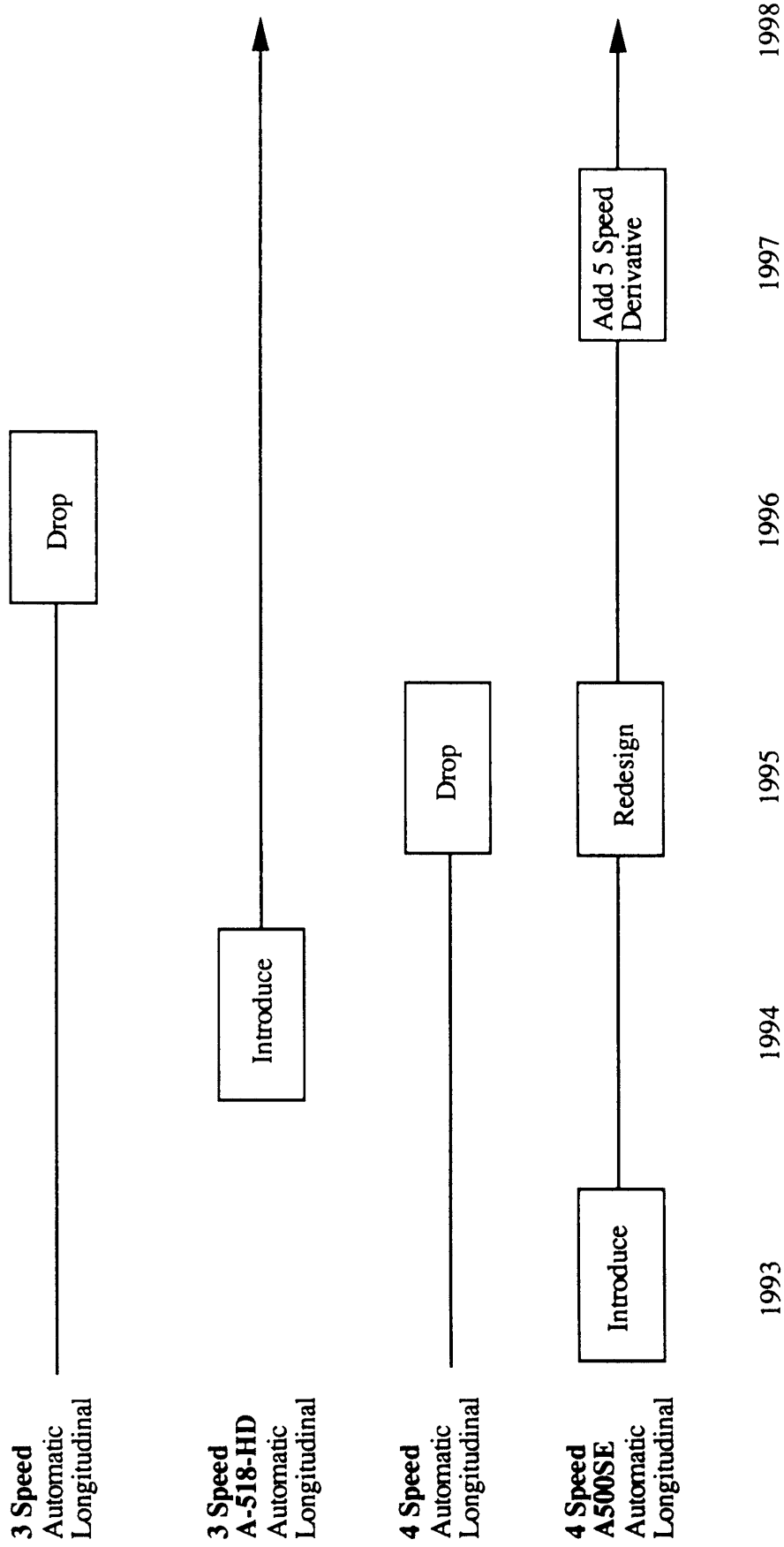
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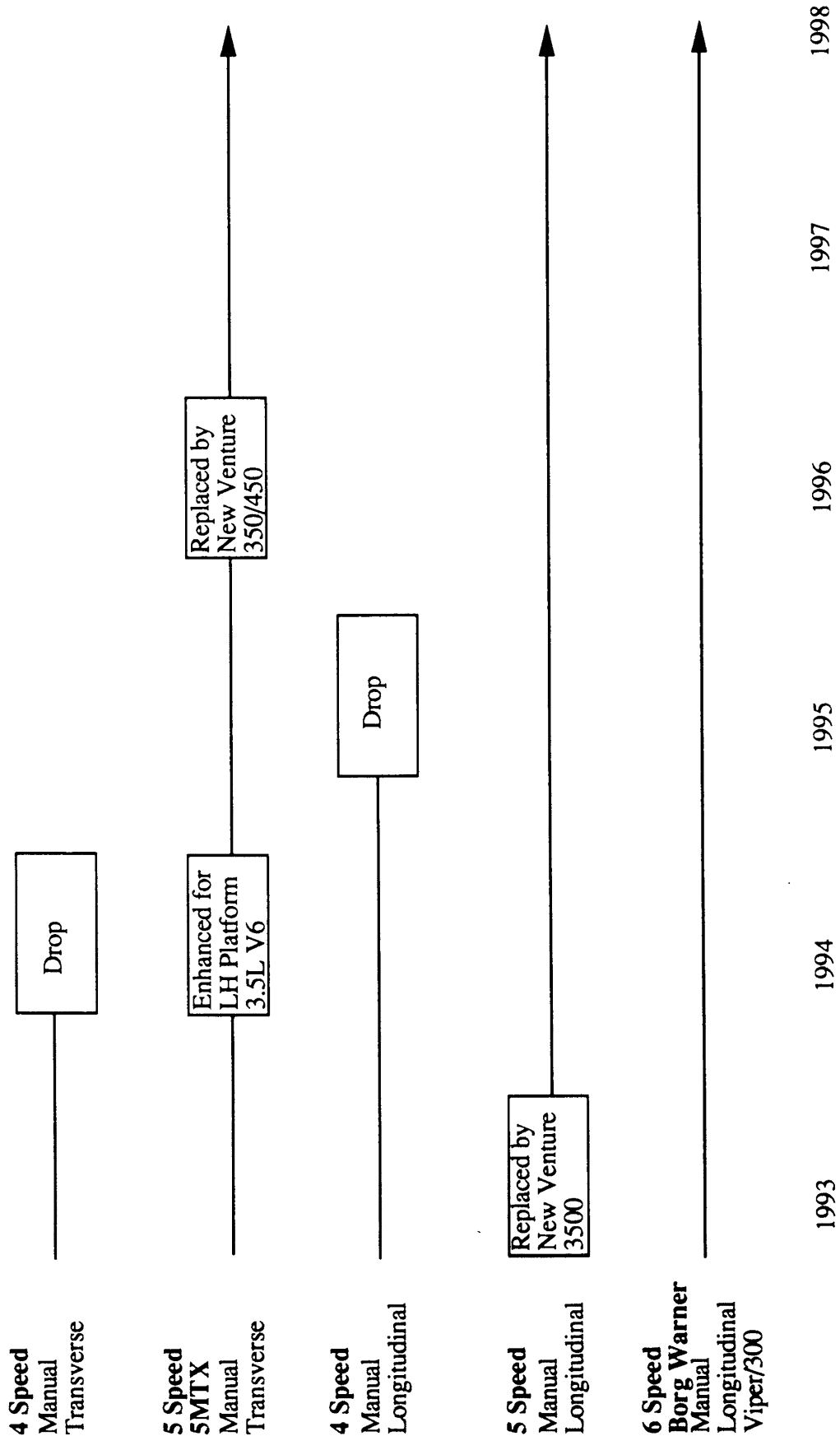


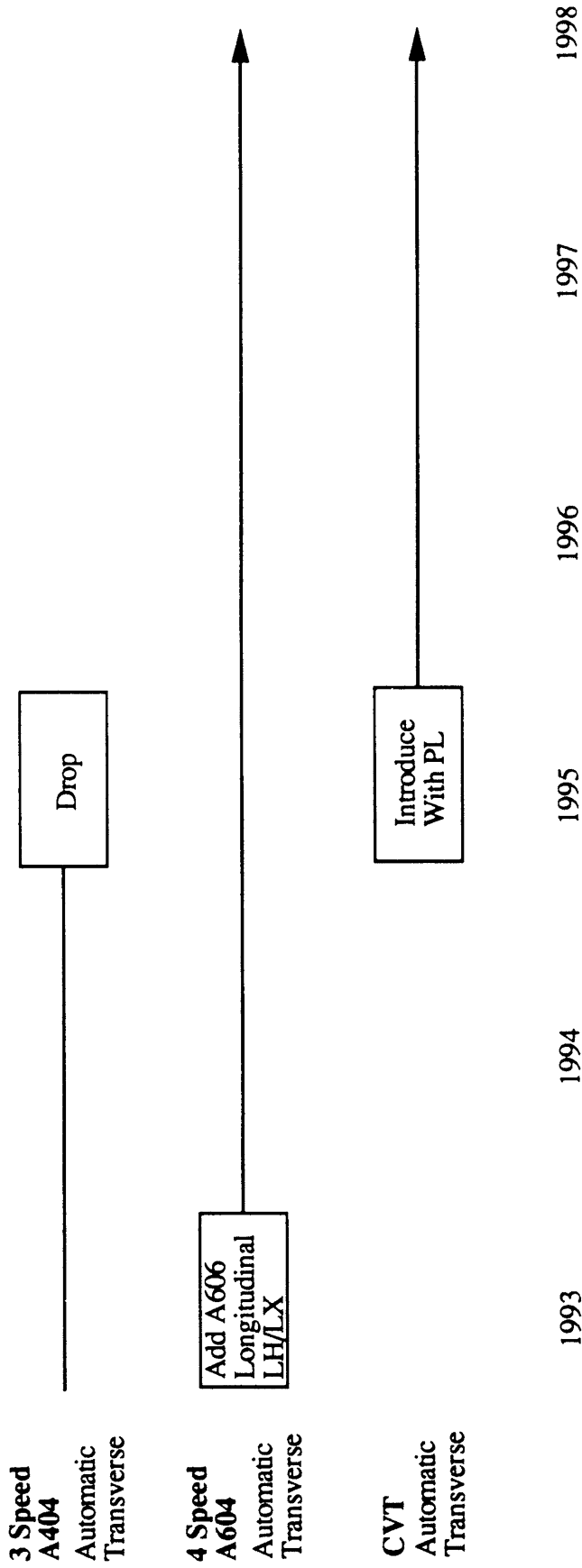
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