

Contents

ACKNOWLEDGMENTS	vii
BEFORE YOU BEGIN THIS BOOK	3
1 THE INDUSTRY OF INDUSTRIES IN TRANSITION	11
THE ORIGINS OF LEAN PRODUCTION	17
2 THE RISE AND FALL OF MASS PRODUCTION	21
3 THE RISE OF LEAN PRODUCTION	48
THE ELEMENTS OF LEAN PRODUCTION	71
4 RUNNING THE FACTORY	75
5 DESIGNING THE CAR	104

6	COORDINATING THE SUPPLY CHAIN	138
7	DEALING WITH CUSTOMERS	169
8	MANAGING THE LEAN ENTERPRISE	192
 DIFFUSING LEAN PRODUCTION		 223
9	CONFUSION ABOUT DIFFUSION	227
10	COMPLETING THE TRANSITION	256
EPILOGUE		276
END NOTES		279
APPENDIXES		
A	INTERNATIONAL MOTOR VEHICLE PROGRAM SPONSORING ORGANIZATIONS	291
B	INTERNATIONAL MOTOR VEHICLE PROGRAM RESEARCH AFFILIATE TEAM	293
C	IMVP PROGRAM AND FORUM PARTICIPANTS	295
D	IMVP PUBLICATIONS LIST	302
INDEX		315