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INSTRUCTIONS

**ELECTRIC SYSTEM**

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**ELECTRIC SYSTEM DIAGNOSIS**

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*Sections 1 to 33*

*Alfa Romeo* 



# UPDATE CHART

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| 10 (1/1998)      | 145   | 55-32B  | 6            |              |
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| 6 (10/1996)      | 145   | 55-17   | 11           |              |
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| 10 (1/1998)      | 145   | 55-17   | 14/1 to 14/2 |              |
| 9 (12/1997)      | 145   | 55-17   | 16           |              |
| 9 (12/1997)      | 145   | 55-17   | 16/1 to 16/2 |              |
| 8 (6/1997)       | 145   | 55-17   | 17 to 18     |              |
| 9 (12/1997)      | 145   | 55-17   | 19           |              |
| 10 (1/1998)      | 145   | 55-17   | 20           |              |
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| 4 (5/1995)       | 145   | 55-17   | 25           |              |
| 8 (6/1997)       | 145   | 55-18   | 1            |              |
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| 10 (1/1998)      | 145   | 55-20   | 5            |              |
| 8 (6/1997)       | 145   | 55-21   | 1            |              |
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| 8 (6/1997)       | 145   | 55-21   | 5 to 8       |              |
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| 8 (6/1997)       | 145   | 55-21   | 9            |              |
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| 8 (6/1997)       | 145   | 55-23   |              | 4/1 to 4/2   |
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| 3 (1/1995)       | 145   | 55-24   | 7          |            |
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| 8 (6/1997)       | 145   | 55-25   | 3          |            |
| 8 (6/1997)       | 145   | 55-25   | 5          |            |
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| 2 (9/1994)       | 145   | 55-30   |            | 4          |
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| 8 (6/1997)       | 145   | 55-31A  | 1          |            |
| 7 (12/1996)      | 145   | 55-31A  |            | 2 to 3     |
| 10 (1/1998)      | 145   | 55-31A  | 4          |            |
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| 7 (12/1996)      | 145   | 55-32   | 1          |            |
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| 6 (10/1996)      | 145   | 55-32   |              | 14/1 to 14/2 |
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| 6 (10/1996)      | 145   | 55-32   | 21 to 22     |              |
| 6 (10/1996)      | 145   | 55-32   |              | 22/1 to 22/2 |
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| 6 (10/1996)      | 145   | 55-32   | 36 to 37     |              |
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| 10 (1/1998)      | 145   | 55-32A  | 1            |              |
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| 8 (6/1997)       | 145   | 55-32A  |              | 26/1 to 26/2 |
| 8 (6/1997)       | 145   | 55-32A  | 27 to 28     |              |
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| 10 (1/1998)      | 145   | 55-32A  |              | 30/1 to 30/2 |
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| 10 (1/1998)      | 145   | 55-32B  |              | 24/1 to 24/2 |
| 10 (1/1998)      | 145   | 55-32B  |              | 25           |
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| 2 (9/1994)       | 145   | 55-33   | 1 to 3       |              |
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| 2 (9/1994)  | 145 | 55-34  | 15 to 16 |        |
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| 8 (6/1997)       | 145   | 55-15   | 3 to 5     |              |
| 6 (10/1996)      | 145   | 55-16   | 1          |              |
| 6 (10/1996)      | 145   | 55-16   | 4          |              |
| 8 (6/1997)       | 145   | 55-16   | 4/1 to 4/2 |              |
| 8 (6/1997)       | 145   | 55-16   | 5 to 8     |              |
| 8 (6/1997)       | 145   | 55-16   |            | 8/1 to 8/2   |
| 8 (6/1997)       | 145   | 55-16   | 9          |              |
| 7 (12/1996)      | 145   | 55-16   | 11         |              |
| 10 (1/1998)      | 145   | 55-17   | 1          |              |
| 6 (10/1996)      | 145   | 55-17   | 2 to 4     |              |
| 10 (1/1998)      | 145   | 55-17   | 4/1        |              |
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| 8 (6/1997)       | 145   | 55-17   | 5 to 7       |              |
| 10 (1/1998)      | 145   | 55-17   | 8            |              |
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| 10 (1/1998)      | 145   | 55-17   |              | 10/1 to 10/4 |
| 6 (10/1996)      | 145   | 55-17   | 11           |              |
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| 10 (1/1998)      | 145   | 55-17   | 14/1 to 14/2 |              |
| 9 (12/1997)      | 145   | 55-17   | 16           |              |
| 9 (12/1997)      | 145   | 55-17   | 16/1 to 16/2 |              |
| 8 (6/1997)       | 145   | 55-17   | 17 to 18     |              |
| 9 (12/1997)      | 145   | 55-17   | 19           |              |
| 10 (1/1998)      | 145   | 55-17   | 20           |              |
| 4 (5/1995)       | 145   | 55-17   | 21 to 23     |              |
| 4 (5/1995)       | 145   | 55-17   | 25           |              |
| 8 (6/1997)       | 145   | 55-18   | 1            |              |
| 8 (6/1997)       | 145   | 55-18   | 4            |              |
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| 8 (6/1997)       | 145   | 55-18   | 7            |              |
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| 8 (6/1997)       | 145   | 55-18   | 9 to 11      |              |
| 8 (6/1997)       | 145   | 55-19   |              | 2/1 to 2/1   |
| 8 (6/1997)       | 145   | 55-19   | 3 to 4       |              |
| 8 (6/1997)       | 145   | 55-19   | 6            |              |
| 10 (1/1998)      | 145   | 55-20   | 2/1          |              |
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| 10 (1/1998)      | 145   | 55-20   | 5            |              |
| 8 (6/1997)       | 145   | 55-21   | 1            |              |
| 6 (10/1996)      | 145   | 55-21   | 3            |              |
| 8 (6/1997)       | 145   | 55-21   | 4            |              |
| 8 (6/1997)       | 145   | 55-21   |              | 4/1 to 4/2   |
| 8 (6/1997)       | 145   | 55-21   | 5 to 8       |              |
| 8 (6/1997)       | 145   | 55-21   |              | 8/1 to 8/2   |
| 8 (6/1997)       | 145   | 55-21   | 9            |              |
| 5 (9/1995)       | 145   | 55-22   | 2            |              |
| 8 (6/1997)       | 145   | 55-22   |              | 2/1 to 2/2   |
| 8 (6/1997)       | 145   | 55-22   | 3 to 6       |              |
| 8 (6/1997)       | 145   | 55-23   | 1            |              |
| 6 (10/1996)      | 145   | 55-23   | 2 to 3       |              |
| 8 (6/1997)       | 145   | 55-23   | 4            |              |
| 8 (6/1997)       | 145   | 55-23   |              | 4/1 to 4/2   |
| 8 (6/1997)       | 145   | 55-23   | 5 to 9       |              |
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| 3 (1/1995)       | 145   | 55-24   | 2          |            |
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| 10 (1/1998)      | 145   | 55-24   | 4          |            |
| 8 (6/1997)       | 145   | 55-24   | 5 to 6     |            |
| 8 (6/1997)       | 145   | 55-24   |            | 6/1 to 6/2 |
| 3 (1/1995)       | 145   | 55-24   | 7          |            |
| 6 (10/1996)      | 145   | 55-24   | 8          |            |
| 8 (6/1997)       | 145   | 55-25   |            | 2/1 to 2/2 |
| 8 (6/1997)       | 145   | 55-25   | 3          |            |
| 8 (6/1997)       | 145   | 55-25   | 5          |            |
| 6 (10/1996)      | 145   | 55-26   | 1          |            |
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| 2 (1/1995)       | 145   | 55-26   | 17         |            |
| 2 (9/1994)       | 145   | 55-26   | 19         |            |
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| 9 (12/1997)      | 145   | 55-27   | 1          |            |
| 6 (10/1996)      | 145   | 55-27   | 2          |            |
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| 9 (12/1997)      | 145   | 55-27   | 3 to 4     |            |
| 9 (12/1997)      | 145   | 55-27   | 4/1 to 4/2 |            |
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| 6 (10/1996)      | 145   | 55-27   | 11         |            |
| 2 (9/1994)       | 145   | 55-28   | 1          |            |
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| 8 (6/1997)       | 145   | 55-28   | 3 to 8     |            |
| 8 (6/1997)       | 145   | 55-29   |            | 2/1 to 2/2 |
| 8 (6/1997)       | 145   | 55-29   | 3 to 6     |            |
| 2 (1/1995)       | 145   | 55-30   | 1 to 3     |            |
| 2 (9/1994)       | 145   | 55-30   |            | 4          |
| 9 (12/1997)      | 145   | 55-30A  |            | 1 to 5     |
| 10 (1/1998)      | 145   | 55-30B  |            | 1 to 6     |
| 8 (6/1997)       | 145   | 55-31A  | 1          |            |
| 7 (12/1996)      | 145   | 55-31A  |            | 2 to 3     |
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| 8 (6/1997)       | 145   | 55-31A  | 5 to 6     |            |
| 8 (6/1997)       | 145   | 55-31A  |            | 6/1 to 6/2 |
| 8 (6/1997)       | 145   | 55-31A  | 7 to 8     |            |
| 7 (12/1996)      | 145   | 55-32   | 1          |            |
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| 2 (9/1994)       | 145   | 55-32   | 9            |              |
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| 6 (10/1996)      | 145   | 55-32   |              | 10/1 to 10/2 |
| 6 (10/1996)      | 145   | 55-32   | 11 to 14     |              |
| 6 (10/1996)      | 145   | 55-32   |              | 14/1 to 14/2 |
| 6 (10/1996)      | 145   | 55-32   | 15           |              |
| 4 (5/1995)       | 145   | 55-32   | 16 to 20     |              |
| 4 (5/1995)       | 145   | 55-32   |              | 20/1 to 20/2 |
| 6 (10/1996)      | 145   | 55-32   | 20/8         |              |
| 6 (10/1996)      | 145   | 55-32   | 21 to 22     |              |
| 6 (10/1996)      | 145   | 55-32   |              | 22/1 to 22/2 |
| 6 (10/1996)      | 145   | 55-32   | 23 to 27     |              |
| 4 (5/1995)       | 145   | 55-32   | 28 to 34     |              |
| 4 (5/1995)       | 145   | 55-32   |              | 34/1 to 34/2 |
| 6 (10/1996)      | 145   | 55-32   | 34/5 to 34/6 |              |
| 6 (10/1996)      | 145   | 55-32   | 35/1 to 35/2 |              |
| 6 (10/1996)      | 145   | 55-32   | 36 to 37     |              |
| 4 (5/1995)       | 145   | 55-32   | 39 to 42     |              |
| 10 (1/1998)      | 145   | 55-32A  | 1            |              |
| 7 (12/1996)      | 145   | 55-32A  |              | 2 to 5       |
| 10 (1/1998)      | 145   | 55-32A  | 6            |              |
| 8 (6/1997)       | 145   | 55-32A  |              | 6/1 to 6/2   |
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| 7 (12/1996)      | 145   | 55-32A  |              | 10           |
| 9 (12/1997)      | 145   | 55-32A  | 10/1         |              |
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| 9 (12/1997)      | 145   | 55-32A  | 11 to 14     |              |
| 8 (6/1997)       | 145   | 55-32A  |              | 14/1 to 14/2 |
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| 10 (1/1998)      | 145   | 55-32A  |              | 18/1 to 18/6 |
| 7 (12/1996)      | 145   | 55-32A  |              | 19 to 20     |
| 9 (12/1997)      | 145   | 55-32A  | 20/1 to 20/2 |              |
| 9 (12/1997)      | 145   | 55-32A  | 21 to 24     |              |
| 9 (12/1997)      | 145   | 55-32A  |              | 24/1 to 24/2 |
| 8 (6/1997)       | 145   | 55-32A  | 25 to 26     |              |
| 8 (6/1997)       | 145   | 55-32A  |              | 26/1 to 26/2 |
| 8 (6/1997)       | 145   | 55-32A  | 27 to 28     |              |
| 8 (6/1997)       | 145   | 55-32A  |              | 28/1         |
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| 10 (1/1998)      | 145   | 55-32A  | 29           |              |
| 8 (6/1997)       | 145   | 55-32A  | 30           |              |
| 10 (1/1998)      | 145   | 55-32A  |              | 30/1 to 30/2 |
| 10 (1/1998)      | 145   | 55-32A  | 31 to 32     |              |
| 7 (12/1996)      | 145   | 55-32A  | 33 to 36     |              |
| 10 (1/1998)      | 145   | 55-32B  | 1            |              |
| 7 (12/1996)      | 145   | 55-32B  |              | 2 to 5       |

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| 10 (1/1998)      | 145   | 55-32B  | 6            |              |
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| 8 (6/1997)       | 145   | 55-32B  | 8 to 12      |              |
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| 7 (12/1996)      | 145   | 55-32B  |              | 13           |
| 9 (12/1997)      | 145   | 55-32B  | 14           |              |
| 9 (12/1997)      | 145   | 55-32B  | 14/1 to 14/2 |              |
| 9 (12/1997)      | 145   | 55-32B  | 15 to 17     |              |
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| 8 (6/1997)       | 145   | 55-32B  | 19 to 21     |              |
| 7 (12/1996)      | 145   | 55-32B  |              | 22           |
| 10 (1/1998)      | 145   | 55-32B  |              | 22/1 to 22/4 |
| 10 (1/1998)      | 145   | 55-32B  | 23           |              |
| 8 (6/1997)       | 145   | 55-32B  | 24           |              |
| 10 (1/1998)      | 145   | 55-32B  |              | 24/1 to 24/2 |
| 10 (1/1998)      | 145   | 55-32B  |              | 25           |
| 7 (12/1996)      | 145   | 55-32B  |              | 26 to 29     |
| 8 (6/1997)       | 145   | 55-33   | 1            |              |
| 2 (9/1994)       | 145   | 55-33   | 1 to 3       |              |
| 10 (1/1998)      | 145   | 55-33   | 4            |              |
| 8 (6/1997)       | 145   | 55-33   |              | 4/1 to 4/2   |
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| 3 (1/1995)  | 145 | 55-34  | 3        |        |
| 2 (9/1994)  | 145 | 55-34  | 4 to 6   |        |
| 3 (1/1995)  | 145 | 55-34  | 7 to 8   |        |
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| 3 (1/1995)  | 145 | 55-34  | 14       |        |
| 2 (9/1994)  | 145 | 55-34  | 15 to 16 |        |
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| 2 (9/1994)  | 145 | 55-35  | 1 to 3   |        |
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| 3 (1/1995)       | 145   | 55-36   | 6        |              |
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| 2 (9/1994)       | 145   | 55-36   | 21       |              |
| 6 (10/1996)      | 145   | 55-36A  | 1        |              |
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| 8 (6/1997)       | 145   | 55-36B  | 1        |              |
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| 8 (6/1997)       | 145   | 55-36B  | 4        |              |
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| 8 (6/1997)       | 145   | 55-36B  | 7        |              |
| 6 (10/1996)      | 145   | 55-36B  |          | 8 to 9       |
| 8 (6/1997)       | 145   | 55-36B  | 10       |              |
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| 10 (1/1998)      | 145   | 55-36C  | 12 to 13 |              |
| 9 (12/1997)      | 145   | 55-36C  |          | 14           |
| 10 (1/1998)      | 145   | 55-36C  | 15       |              |
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| 4 (5/1995)       | 145   | 55-37A  |          | 11           |
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| 6 (10/1996)      | 145   | 55-37A  | 16           |                |
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| 4 (5/1995)       | 145   | 55-17   | 25         |              |
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| 8 (6/1997)       | 145   | 55-21   | 1        |            |
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| 3 (1/1995)       | 145   | 55-24   | 7        |            |
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| 8 (6/1997)       | 145   | 55-27   | 1        |            |
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| 6 (10/1996)      | 145   | 55-27   | 4        |            |
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| 2 (9/1994)       | 146   | 55-5    |            | 4            |
| 8 (6/1997)       | 146   | 55-5    | 5 to 7     |              |
| 2 (9/1994)       | 146   | 55-5    |            | 8            |
| 8 (6/1997)       | 146   | 55-8    | 1          |              |
| 2 (9/1994)       | 146   | 55-8    |            | 2 to 3       |
| 6 (10/1996)      | 146   | 55-8    | 4          |              |
| 6 (10/1996)      | 146   | 55-8    |            | 4/1          |
| 8 (6/1997)       | 146   | 55-8    | 4/2        |              |
| 8 (6/1997)       | 146   | 55-8    |            | 4/3 to 4/4   |
| 8 (6/1997)       | 146   | 55-8    | 5 to 10    |              |
| 8 (6/1997)       | 146   | 55-8    |            | 10/1 to 10/2 |
| 6 (10/1996)      | 146   | 55-8    | 11         |              |
| 6 (10/1996)      | 146   | 55-8    |            | 12           |
| 8 (6/1997)       | 146   | 55-11   | 1          |              |
| 2 (9/1994)       | 146   | 55-11   |            | 2            |
| 6 (10/1996)      | 146   | 55-11   | 3          |              |
| 8 (6/1997)       | 146   | 55-11   | 4          |              |
| 8 (6/1997)       | 146   | 55-11   |            | 4/1 to 4/2   |
| 8 (6/1997)       | 146   | 55-11   | 5          |              |
| 2 (9/1994)       | 146   | 55-11   |            | 6            |
| 8 (6/1997)       | 146   | 55-11   | 7 to 9     |              |
| 2 (9/1994)       | 146   | 55-11   |            | 10 to 11     |
| 8 (6/1997)       | 146   | 55-11   | 1          |              |
| 2 (9/1994)       | 146   | 55-12   |            | 2/1 to 2/2   |
| 8 (6/1997)       | 146   | 55-11   | 3 to 8     |              |
| 8 (6/1997)       | 146   | 55-11   |            | 8/1 to 8/2   |
| 2 (9/1994)       | 146   | 55-12   |            | 9 to 10      |
| 2 (9/1994)       | 146   | 55-13   |            | 1            |
| 8 (6/1997)       | 146   | 55-13   |            | 2/1 to 2/2   |
| 8 (6/1997)       | 146   | 55-13   | 3 to 5     |              |
| 8 (6/1997)       | 146   | 55-14   | 1          |              |
| 6 (10/1996)      | 146   | 55-14   | 2          |              |
| 8 (6/1997)       | 146   | 55-14   |            | 2/1 to 2/2   |
| 8 (6/1997)       | 146   | 55-14   | 3 to 7     |              |
| 2 (9/1994)       | 146   | 55-14   |            | 8 to 10      |
| 8 (6/1997)       | 146   | 55-16   | 1          |              |
| 2 (9/1994)       | 146   | 55-16   |            | 2 to 3       |
| 6 (10/1996)      | 146   | 55-16   | 4          |              |
| 8 (6/1997)       | 146   | 55-16   | 4/1 to 4/2 |              |
| 8 (6/1997)       | 146   | 55-16   | 5 to 9     |              |
| 2 (9/1994)       | 146   | 55-16   | 6          |              |
| 6 (10/1996)      | 146   | 55-16   | 7 to 9     |              |
| 2 (9/1994)       | 146   | 55-16   | 10         |              |
| 7 (12/1996)      | 146   | 55-16   | 11         |              |
| 2 (9/1994)       | 146   | 55-16   |            | 12 to 14     |
| 8 (6/1997)       | 146   | 55-18   | 1          |              |

# UPDATE CHART

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|                  |       |         | SOBST.   | ADDED        |
| 2 (9/1994)       | 146   | 55-18   |          | 2 to 3       |
| 8 (6/1997)       | 146   | 55-18   | 4        |              |
| 8 (6/1997)       | 146   | 55-18   |          | 4/1 to 4/2   |
| 2 (9/1994)       | 146   | 55-18   |          | 5 to 8       |
| 6 (10/1996)      | 146   | 55-18   | 9        |              |
| 8 (6/1997)       | 146   | 55-18   | 10       |              |
| 8 (6/1997)       | 146   | 55-18   |          | 10/1 to 10/2 |
| 8 (6/1997)       | 146   | 55-18   | 11 to 12 |              |
| 2 (9/1994)       | 146   | 55-18   |          | 13           |
| 2 (9/1994)       | 146   | 55-19   |          | 1 to 2       |
| 8 (6/1997)       | 146   | 55-19   |          | 2/1 to 2/2   |
| 8 (6/1997)       | 146   | 55-19   | 3 to 4   |              |
| 2 (9/1994)       | 146   | 55-19   |          | 5            |
| 8 (6/1997)       | 146   | 55-19   | 6        |              |
| 2 (9/1994)       | 146   | 55-19   |          | 7            |
| 8 (6/1997)       | 146   | 55-19   | 8        |              |
| 2 (9/1994)       | 146   | 55-19   |          | 9 to 11      |
| 8 (6/1997)       | 146   | 55-21   | 1        |              |
| 2 (9/1994)       | 146   | 55-21   |          | a 2          |
| 6 (10/1996)      | 146   | 55-21   | 3        |              |
| 8 (6/1997)       | 146   | 55-21   | 4        |              |
| 8 (6/1997)       | 146   | 55-21   |          | 4/1 to 4/2   |
| 8 (6/1997)       | 146   | 55-21   | 5 to 10  |              |
| 8 (6/1997)       | 146   | 55-21   |          | 10/1 to 10/2 |
| 2 (9/1994)       | 146   | 55-21   |          | 11 to 13     |
| 2 (9/1994)       | 146   | 55-22   |          | 1            |
| 5 (9/1995)       | 146   | 55-22   | 2        |              |
| 8 (6/1997)       | 146   | 55-22   |          | 2/1 to 2/2   |
| 8 (6/1997)       | 146   | 55-22   | 3 to 6   |              |
| 2 (9/1994)       | 146   | 55-22   |          | 7            |
| 8 (6/1997)       | 146   | 55-23   | 1        |              |
| 6 (10/1996)      | 146   | 55-23   | 2 to 3   |              |
| 8 (6/1997)       | 146   | 55-23   | 4        |              |
| 8 (6/1997)       | 146   | 55-23   |          | 4/1 to 4/2   |
| 8 (6/1997)       | 146   | 55-23   | 5 to 6   |              |
| 6 (10/1996)      | 146   | 55-23   | 7        |              |
| 8 (6/1997)       | 146   | 55-23   | 8 to 9   |              |
| 2 (9/1994)       | 146   | 55-23   |          | 10           |
| 8 (6/1997)       | 146   | 55-23   |          | 10/1 to 10/2 |
| 8 (6/1997)       | 146   | 55-23   | 11 to 14 |              |
| 8 (6/1997)       | 146   | 55-23   |          | 14/1 to 14/2 |
| 2 (9/1994)       | 146   | 55-23   |          | 15 to 17     |
| 8 (6/1997)       | 146   | 55-24   | 1        |              |
| 3 (1/1995)       | 146   | 55-24   | 2        |              |
| 6 (10/1996)      | 146   | 55-24   |          | 2/1          |
| 8 (6/1997)       | 146   | 55-24   | 2/2      |              |

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|------------------|-------|---------|--------|------------|
| UPDATE<br>(DATE) | MODEL | SECTION | PAGE   |            |
|                  |       |         | SOBST. | ADDED      |
| 8 (6/1997)       | 146   | 55-24   | 3 to 6 |            |
| 8 (6/1997)       | 146   | 55-24   |        | 6/1 to 6/2 |
| 3 (1/1995)       | 146   | 55-24   |        | 7          |
| 6 (10/1996)      | 146   | 55-24   |        | 8          |
| 6 (10/1996)      | 146   | 55-26   | 1      |            |
| 2 (9/1994)       | 146   | 55-26   |        | 2 to 26    |
| 2 (9/1994)       | 146   | 55-A1   |        | 1          |
| 4 (5/1995)       | 146   | 55-A1   | 2      |            |
| 8 (6/1997)       | 146   | 55-A1   | 3      |            |
| 7 (12/1996)      | 146   | 55-A1   | 4      |            |