

## Spark Plug Application Chart for Evinrude & Johnson Outboards 1952 thru 2008

| Horsepower              | Year         | Spark Plug Number<br>(see notes 1 and 2) | Gap (in.) |
|-------------------------|--------------|------------------------------------------|-----------|
| 1.5                     | 1968 - 1970  | J6C                                      | .030      |
| 2, JR                   | 1971 - 1990  | RJ6C                                     | .030      |
| Ultra, Excel 4          | 1987 - 1988  | L78V surface gap or QL77JC4              | .030      |
| 2.0, 2.3                | 1991 - 2001  | L87YC or QL87YC                          | .030      |
| 2.5                     | 1987 - 1988  | QL86C                                    | .030      |
| 3                       | 1952 - 1968  | J6C                                      | .030      |
| 3.3                     | 1991 - 2001  | L87YC or QL87YC                          | .030      |
| 3.5                     | 2002 & newer | QL87YC                                   | .030      |
| 3, 4, 4 Deluxe          | 1989 - 2001  | QL86C                                    | .030      |
| 4                       | 1969 - 1976  | J6C                                      | .030      |
| 4                       | 1977 - 1987  | QL86C or L86C                            | .030      |
| 4                       | 1988         | QL77JC4                                  | .030      |
| 4.5                     | 1980 - 1985  | QL86C                                    | .030      |
| 5                       | 1965 - 1968  | J6C                                      | .030      |
| 5                       | 1990 - 1997  | QL86C                                    | .030      |
| 5                       | 1998 - 2001  | NGK BPR7HS-10 (see note 1)               | .035      |
| 5.5                     | 1954 - 1964  | J6C                                      | .030      |
| 6                       | 1965 - 1976  | J6C                                      | .030      |
| 6.5 Commercial          | 1981 - 1993  | QL77JC4                                  | .030      |
| 7.5                     | 1952 - 1958  | J6C                                      | .030      |
| 6, 7.5, 8, 8 Commercial | 1977 - 2001  | QL77JC4 or QL86C                         | .030      |
| 9.5                     | 1964 - 1973  | J4C                                      | .030      |
| 9.9                     | 1974 - 1976  | UL81C                                    | .030      |
| 9.9                     | 1977 - 1994  | QL77JC4 or QL82C                         | .030      |
| 9.9                     | 1995 & newer | QL82C                                    | .030      |
| 10                      | 1952 - 1958  | J6C                                      | .030      |
| 10                      | 1959 - 1963  | J4C                                      | .030      |
| 10 Commercial           | 1992 - 1993  | QL77JC4                                  | .030      |
| 10, 15 Commercial       | 1994 - 2001  | QL82C                                    | .030      |
| 14                      | 1988 - 1989  | QL77JC4                                  | .030      |
| 14 Commercial           | 1981 - 1991  | QL77JC4                                  | .030      |
| 15                      | 1974 - 1976  | UL81C                                    | .030      |
| 15                      | 1977 - 1992  | QL77JC4 (or L78V Surface Gap)            | .030      |
| 9.9 & 15 Big Bore       | 1993 - 2001  | QL82C                                    | .030      |
| 15                      | 1954 - 1956  | J6C                                      | .030      |
| 15 Commercial           | 1992 - 1993  | QL77JC4                                  | .030      |
| 15 (Kerosene)           | 1995 - 2001  | UL77V Surface Gap                        |           |
| 18                      | 1957 - 1973  | J4C                                      | .030      |
| 18 Jet (25hp powerhead) | 1995 - 2001  | QL77JC4 or L78V or QL82C                 | .030      |
| 20                      | 1966 - 1973  | J4C                                      | .030      |
| 25                      | 1952 - 1955  | J4C                                      | .030      |

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3. On **ALL** VRO/OMS equipped motors the "QL" supressor plug is recommended.

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| Horsepower                 | Year         | Spark Plug Number<br>(see notes 1 and 2) | Gap (in.) |
|----------------------------|--------------|------------------------------------------|-----------|
| 25                         | 1969 - 1976  | J4C                                      | .030      |
| 25                         | 1977         | QL77JC4 or QL82C                         | .030      |
| 20, 25, 28, 30             | 1978 - 2001  | QL77JC4 or L78V or QL82C                 | .030      |
| 25, 30                     | 2003 & newer | QL77JC4                                  | .030      |
| 25 Commercial              | 1981 - 2001  | QL16V or L16V Surface Gap                |           |
| 25, 35 (3-Cylinder)        | 1995 - 2001  | QL82C                                    | .030      |
| 28                         | 1962 - 1964  | J4C                                      | .030      |
| 28 Jet (40hp powerhead)    | 1992 - 2001  | QL78YC                                   | .030      |
| 30                         | 1956         | J6C                                      | .030      |
| 33                         | 1965 -1971   | J4C                                      | .030      |
| 35                         | 1957 - 1959  | J6C                                      | .030      |
| 35                         | 1976         | UL81C                                    | .030      |
| 35                         | 1977 - 2000  | QL77JC4                                  | .030      |
| 35 (3-Cylinder)            | 1995 - 2001  | QL82C                                    | .030      |
| 35 Jet (50hp powerhead)    | 1993 - 2001  | QL78YC                                   | .030      |
| 40                         | 1960 - 1973  | J4C                                      | .030      |
| 40                         | 1974 - 1976  | UL81C                                    | .030      |
| 40 Commercial (43 cu. in.) | 1981 - 1990  | UL81C                                    | .030      |
| 40 Commercial (45 cu. in.) | 1984 - 2001  | QL16V Surface Gap                        |           |
| 45, 55 Commercial          | 1986 - 2001  | QL16V or L16V Surface Gap                |           |
| 50 (V4)                    | 1958 - 1959  | J4C                                      | .030      |
| 50                         | 1971 - 1975  | L77JC4 or QL77JC4                        | .030      |
| 40, 48, 50 (2-Cylinder)    | 1980 - 1988  | L78V Surface Gap or QL77JC4              | .030      |
| 40, 48, 50 (2-Cylinder)    | 1989 - 2001  | QL78YC (see note 3)                      | .030      |
| 40, 50                     | 2003 & newer | QL78YC (see note 3)                      | .030      |
| 50 (3-Cylinder)            | 1995 - 1998  | QL78YC (see note 3)                      | .030      |
| 55 (3-Cylinder)            | 1968 - 1969  | L76V Surface Gap or L77JC4               | .030      |
| 55 (2-Cylinder)            | 1976 - 1989  | L78V Surface Gap or QL77JC4              | .030      |
| 60 (2-Cylinder)            | 1980 - 1985  | L78V Surface Gap or QL77JC4              | .030      |
| 60 (3-Cylinder)            | 1970 - 1971  | L76V Surface Gap or QL77JC4              | .030      |
| 60 (V4)                    | 1964 - 1967  | J4C                                      | .030      |
| 60, 70, 75 (49 cu. in.)    | 1975 - 1989  | L77JC4 or QL77JC4                        | .030      |
| 60, 70 (56 cu. in.)        | 1989 - 1993  | L77JC4 or QL77JC4 (see note 3)           | .030      |
| 60, 70 (56 cu. in.)        | 1994 - 2001  | QL78YC (see note 3)                      | .030      |
| 65 Jet (90° crossflow V4)  | 1992 - 1998  | QL77JC4 or QL82C (see note 3)            | .030      |
| 65 (V4)                    | 1968         | L76V Surface Gap or QL77JC4              | .030      |
| 65 (3-Cylinder)            | 1972 - 1973  | L77JC4                                   |           |
| 65 Commercial              | 1984 - 1987  | L78V Surface Gap or L77JC4               | .030      |
| 65 Commercial              | 1988 - 2001  | QL16V or L16V Surface Gap                |           |
| 75 (V4)                    | 1960 - 1965  | J4C                                      | .030      |
| 80                         | 1966 - 1967  | J4C                                      | .030      |
| 85                         | 1973 - 1980  | L77JC4 or QL77JC4                        | .030      |
| 90                         | 1964 - 1965  | J4C                                      | .030      |
| 80 Jet (90° crossflow V4)  | 19xx - 1998  | QL77JC4 or QL82C (see note 3)            | .030      |

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| Horsepower                          | Year         | Spark Plug Number<br>(see notes 1 and 2) | Gap (in.) |
|-------------------------------------|--------------|------------------------------------------|-----------|
| 88, 90, 100, 110, 112, 115          | 1979 - 1998  | QL77JC4 or QL82C                         | .030      |
| 90, 115 (60° V4 Eagle)              | 1995 & newer | QL78YC (see note 3)                      | .030      |
| 90, 115 TurboJet (90° crossflow V4) | 1994 - 1997  | QL77JC4 or QL82C (see note 3)            | .030      |
| 100                                 | 1966         | J4C                                      | .030      |
| 100                                 | 1967 - 1968  | L78V Surface Gap or QL77JC4              | .030      |
| 100                                 | 1971 - 1972  | L76V Surface Gap or QL77JC4              | .030      |
| 100 Commercial                      | 1984 - 1998  | L78V or QL16V Surface Gap                |           |
| 105 Jet (60° V6)                    | 1993 & newer | QL78YC (see note 3)                      | .030      |
| 105 Commercial (60° V4)             | 1997 - 2001  | QL78YC (see note 3)                      | .030      |
| 115                                 | 1969 - 1970  | L76V Surface Gap or QL77JC4              | .030      |
| 120, 130, 135, 140 (90° V4 Looper)  | 1985 - 2001  | QL78YC (see note 3)                      | .030      |
| 125                                 | 1971 - 1972  | L76V Surface Gap or QL77JC4              | .030      |
| 135, 140                            | 1973 - 1984  | UL77V or L16V Surface Gap                |           |
| 150, 175 (60° V6)                   | 1991 & newer | QL78YC (see note 3)                      | .030      |
| 150 Commercial (60° V6)             | 1993 - 2001  | QL78YC (see note 3)                      | .030      |
| 150, 155 (90° crossflow V6)         | 1978 - 1987  | UL77V or L16V Surface Gap                |           |
| 150, 175 (90° crossflow V6)         | 1988 - 1991  | QL77JC4 (see note 3)                     | .030      |
| 155 Commercial                      | 1989 - 1992  | QL16V Surface Gap                        |           |
| 175, 185                            | 1977 - 1987  | UL77V or QL16V Surface Gap               |           |
| 185 Commercial                      | 1990 - 1993  | QL16V Surface Gap or QL77JC4             | .030      |
| 200                                 | 1976 - 1983  | UL77V or QL16V Surface Gap               |           |
| 200, 225                            | 1986 - 1993  | QL77JC4                                  | .030      |
| 200 Commercial                      | 1992         | QL16V or L16V Surface Gap                |           |
| 200 Commercial                      | 1993 - 2001  | QL78YC (see note 3)                      | .030      |
| 200, 225, 225HO                     | 1994 - 2001  | QL78YC (see note 3)                      | .030      |
| 235                                 | 1978 - 1985  | QL16V or UL77V Surface Gap               |           |
| 250, 275, 300 (V8)                  | 1985 - 1998  | QL78YC (see note 3)                      | .030      |
| OMC Sea-Drive 2.5, 26 Litre         | 1988 - 1992  | UL77V                                    |           |
| 3.0 Litre                           | 1988 - 1992  | QL77JC4 (see note 3)                     | .030      |
| OMC Sea-Drive 3.6, 4.0 Litre        | 1988 - 1992  | QL77JC4 (see note 3)                     | .030      |
| OMC Sail-Drive (Zepher)             | 1977 - 1984  | QL8YC                                    | .045      |

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| Horsepower                         | Year         | Spark Plug Number<br>(see note 1) | Gap (in.) |
|------------------------------------|--------------|-----------------------------------|-----------|
| <b>4-Stroke Models</b>             |              |                                   |           |
| 4, 5 (4-Stroke)                    | 2002 & newer | <b>NGK</b> BPR6ES                 | .030      |
| 5 (4-Stroke)                       | 1997 - 2001  | P10Y                              | .027      |
| 5 (4-Stroke)                       | 2002 & newer | <b>NGK</b> BPR6ES                 | .030      |
| 6 (4-Stroke)                       | 1998 - 2001  | P10Y                              | .027      |
| 6 (4-Stroke)                       | 2003 - 2004  | RP10HC                            | .027      |
| 6 (4-Stroke)                       | 2005 & newer | <b>NGK</b> BPR6ES                 | .030      |
| 8 (4-Stroke)                       | 1998 - 2001  | P10Y                              | .027      |
| 8 (4-Stroke)                       | 2003 & newer | RP10HC                            | .027      |
| 9.9 (4-Stroke, 211cc)              | 1998 - 2001  | P10Y                              | .027      |
| 9.9 (4-Stroke, 305cc)              | 1995 - 2001  | RA8HC                             | .030      |
| 9.9 (4-Stroke w/Mikuni Carburetor) | 2003 - 2004  | <b>NGK</b> DCPR6E (see note 1)    | .031      |
| 9.9 (4-Stroke w/Keihin Carburetor) | 2005 & newer | <b>NGK</b> DCPR6E (see note 1)    | .031      |
| 15 (4-Stroke)                      | 1995 - 2001  | RA8HC                             | .030      |
| 15 (4-Stroke w/Mikuni Carburetor)  | 2003 - 2004  | <b>NGK</b> DCPR6E (see note 1)    | .031      |
| 15 (4-Stroke w/Keihin Carburetor)  | 2005 & newer | <b>NGK</b> DCPR6E (see note 1)    | .031      |
| 25, 30 (4-Stroke)                  | 2001 & 200   | <b>NGK</b> DCPR6E (see note 1)    | .031      |
| 40, 50 (4-Stroke)                  | 1999 & newer | <b>NGK</b> DCPR6E (see note 1)    | .031      |
| 70 (4-Stroke)                      | 1998 - 2001  | <b>NGK</b> BPR6ES (see note 1)    | .028      |
| 60, 70 (4-Stroke)                  | 2002 & newer | <b>NGK</b> BPR6ES (see note 1)    | .028      |
| 90, 115 (4-Stroke)                 | 2003 & newer | <b>NGK</b> BKR6E (see note 1)     | .028      |
| 140 (4-Stroke)                     | 2003 & newer | <b>NGK</b> BKR6E (see note 1)     | .028      |
| 200, 225 (4-Stroke)                | 2004 & newer | <b>NGK</b> BKR6E (see note 1)     | .028      |

### Ficht & DI Models

|                                   |                         |                                       |             |
|-----------------------------------|-------------------------|---------------------------------------|-------------|
| 90, 115 Ficht                     | 1998 - 1999             | 7712                                  | .030        |
| 90, 115 Ficht                     | 2000 -2005              | XC12PEPB                              | .030        |
| <b>115 DI</b>                     | <b>2006 &amp; newer</b> | <b>RC12PEPB</b>                       | <b>.030</b> |
| 135, 150, 175 Ficht/DI            | 2001 & newer            | XC12PEPB                              | .030        |
| 150, 175 Ficht/DI                 | 1997 - 1999             | 7712 (with non-pinned cylinder heads) | .030        |
| 150, 175 Ficht/DI                 | 1997 - 1999             | XC12PEPB (with pinned cylinder heads) | .030        |
| 150, 175 Ficht/DI                 | 2000 - 2006             | XC12PEPB                              | .030        |
| 200, 225, 250 Ficht/DI (incl. HO) | 1999 - 2006             | QC12PEP                               | .030        |
| 200, 225, 250 Ficht/DI (incl. HO) | 1999 - 2006             | (optional) QC10WEP                    | .030        |

### E-TEC Models

|                                        |                    |                                        |             |
|----------------------------------------|--------------------|----------------------------------------|-------------|
| E-TEC 40, 50, 60                       | 2004 - 2005        | QC12PEP                                | .030        |
| <b>E-TEC 40, 50, 60</b>                | <b>2006 - 2007</b> | <b>QC12PEPB</b>                        | <b>.030</b> |
| E-TEC 40, 50, 60                       | 2008 & newer       | QC10WEP                                | .030        |
| E-TEC 65 Jet                           | 2005               | QC12PEP                                | .030        |
| E-TEC 65 Commercial                    | 2008 & newer       | QC10WEP                                | .030        |
| E-TEC 75, 90                           | 2004 - 2005        | QC12PEP                                | .030        |
| <b>E-TEC 75, 90</b>                    | <b>2006 - 2007</b> | <b>QC12PEPB</b>                        | <b>.030</b> |
| E-TEC 75, 90, Commercial               | 2008 & newer       | QC10WEP                                | .030        |
| E-TEC 90                               | 2004 - 2005        | QC12PEP                                | .030        |
| <b>E-TEC 90</b>                        | <b>2006 - 2007</b> | <b>QC12PEPB</b>                        | <b>.030</b> |
| E-TEC 90, 90 Commercial                | 2008 & newer       | QC10WEP                                | .030        |
| E-TEC 115                              | 2007               | <b>QC10PEPB</b>                        | <b>.028</b> |
| E-TEC 150, 175, 200 (60° V6)           | 2007               | <b>QC10PEPB</b>                        | <b>.028</b> |
| E-TEC 200, 225, 250 (90° V6, incl. HO) | 2005 - 2006        | <b>Was QC10PEPB Changed to QC10WEP</b> | .028        |
| E-TEC 200, 225, 250 (90° V6, incl. HO) | 2006 & newer       | <b>QC10WEP</b>                         | .028        |
| E-TEC 250 HO (90° V6, 3.4L)            | 2008 & newer       | <b>QC8WEP</b>                          | .028        |

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