

LT1 and LS1 Spark Plug Info

**Note: Heat ranges are determined by NGK standards. Not all plug manufacturers follow the same guidelines.

***Note: List is intended for reference only. Please consult with head mfg. and ignition mfg. for proper gap.

***Note: NGK IX and Denso plugs are Iridium.

LT1

Thread – 14mm

Reach - .708"

Socket – 5/8 hex

Seat - Taper

Stock Heat Range: 5

Gap: .050

Plug: NGK TR55 (stock number 3951); NGK TR55IX (stock number 7164); Autolite 764; Champion RS14YC6 (stock number 13); Denso IT-16 (stock number 5325)

Nitrous (one step colder)

Heat range: 6

Gap: .035 - .038

Plug: NGK TR6 (stock number 4177); NGK TR6IX (stock number 3689); Autolite 103; Denso IT-20 (stock number 5326)

Nitrous (two steps colder)

Heat Range: 7

Gap: Consult

Plug: NGK BR7EF (stock number 3346); NGK TR7IX (stock number 3690); Autolite AR94; Denso IT22 (stock number 5327)

LT1 w/ AFR heads

Thread – 14mm

Reach – 3/4"

Socket – 5/8 hex

Seat – Gasket

Stock – MFG Recommendations

Heat Range: 9

Gap: Consult ignition mfg.

Plug: NGK 5672A-9 (stock number 7405); Autolite AR3910; Champion C59YC (stock number 792); Denso IQ27 (stock number 5315); Denso IQ01-27 (stock number 5708)(diagonal platinum ground); Denso IQ02-27 (stock number 5711)(horizontal platinum ground)

Nitrous (one step colder)

Heat Range: 10

Gap: Consult ignition mfg.

Plug: NGK 5672A-10 (stock number 7942); Autolite AR50; Denso IQ31 (stock number 5323)

Nitrous (two steps colder)

Heat Range: 11

Gap: Consult ignition mfg.

Plug: Denso IQ34 (stock number 5324)

LT1 w/ Trick Flow & Edelbrock Heads

Thread – 14mm

Reach – 3/4"

Socket – 5/8 hex

Seat – Gasket

Stock – MFG Recommendations: approx under 9:1 compression

Heat Range: 4

Gap: Consult ignition mfg.

Plug: NGK FR4 (stock number 5155); NGK BKR5EIX (stock number 6341); Autolite 3926; Champion RC12YC (stock number 71); Denso IK16 (stock number 5303)

MFG Recommendations: approx 10.5:1 compression

Heat Range: 5

Gap: Consult ignition mfg.

Plug: NGK FR5 (stock number 7373); Autolite AR3924 (Racing Plug); Autolite 3924; Champion RC9YC (stock number 2075); Denso K20PR-U (stock number 3145); Denso IK20 (stock number 5304)

MFG Recommendations: approx 11:1 compression

Heat Range: 8

Gap: Consult ignition mfg.

Plug: NGK R5672A-8 (stock number 7173); Autolite AR3911; Champion C63YC (stock number 796); Denso IQ24 (stock number 5314)

MFG Recommendations: approx 12:1 compression

Heat Range: 9

Gap: Consult ignition mfg.

Plug: NGK R5672A-9 (stock number 7405); Autolite AR3910; Champion C61YC (stock number 785); Denso IQ27 (stock number 5315)

MFG Recommendations: approx 13:1 compression

Heat Range: 9 - 10

Gap: Consult ignition mfg.

Plug: NGK R5671A-9 (stock number 5238); Autolite AR3933; Champion C59CX (stock number 296); Denso IK27 (stock number 5312)

MFG Recommendations: approx 14:1 compression

Heat Range: 10

Gap: Consult ignition mfg.

Plug: NGK R5671A-10 (stock number 5820); Autolite AR3932; Champion C57CX (stock number 295); Denso IK-31 (stock number 5321)

**NOTE: Use chart for static compression and adjust heat range for nitrous use accordingly.

LS1 Stock and AFR

Thread – 14mm

Reach - .708"

Socket – 5/8 hex

Seat - Taper

Stock Heat Range: 5

Gap: .060

Plug: NGK TR55 (stock number 3951); NGK TR55IX (stock number 7164); Autolite 764; Denso IT-16 (stock number 5325)

Nitrous (one step colder)

Heat Range: 6

Gap: .035 - .038

Plug: NGK TR6 (stock number 4177); NGK TR6IX (stock number 3689); Autolite 103; Denso IT-20 (stock number 5326)

Nitrous (two steps colder)

Heat Range: 7

Gap: Consult

Plug: NGK BR7EF (stock number 3346); NGK TR7IX (stock number 3690); Autolite AR94; Denso IT22 (stock number 5327)

Nitrous (two and a half steps colder)

Heat Range: 8

Gap: Consult

Plug: NGK R5724-8 (stock number 7317); NGK TR8IX (part number 3691); Denso IT-24 (stock number 5328)

Nitrous (three steps colder)

Heat Range: 9

Gap: Consult

Plug: NGK R5724-9 (stock number 7891); Autolite AR93; Denso IT-27

Nitrous (four steps colder)

Heat Range: 10

Gap: Consult

Plug: NGK R5724-10 (stock number 7993); Autolite AR92

LS1 w/ Edelbrock and Dart Heads

Thread – 14mm

Reach – 3/4"

Socket – 5/8 hex

Seat – Gasket

Stock – MFG Recommendations: approx under 9:1 compression

Heat Range: 4

Gap: Consult ignition mfg.

Plug: NGK FR4 (stock number 5155); NGK BKR5EIX (stock number 6341); Autolite 3926; Champion RC12YC (stock number 71); Denso IK16 (stock number 5303)

MFG Recommendations: approx 10.5:1 compression

Heat Range: 5

Gap: Consult ignition mfg.

Plug: NGK FR5 (stock number 7373); Autolite AR3924 (Racing Plug); Autolite 3924; Champion RC9YC (stock number 2075); Denso K20PR-U (stock number 3145); Denso IK20 (stock number 5304)

MFG Recommendations: approx 11:1 compression

Heat Range: 8

Gap: Consult ignition mfg.

Plug: NGK R5672A-8 (stock number 7173); Autolite AR3911; Champion C63YC (stock number 796); Denso IQ24 (stock number 5314)

MFG Recommendations: approx 12:1 compression

Heat Range: 9

Gap: Consult ignition mfg.

Plug: NGK R5672A-9 (stock number 7405); Autolite AR3910; Champion C61YC (stock number 785); Denso IQ27 (stock number 5315)

MFG Recommendations: approx 13:1 compression

Heat Range: 9 - 10

Gap: Consult ignition mfg.

Plug: NGK R5671A-9 (stock number 5238); Autolite AR3933; Champion C59CX (stock number 296); Denso IK27 (stock number 5312)

MFG Recommendations: approx 14:1 compression

Heat Range: 10

Gap: Consult ignition mfg.

Plug: NGK R5671A-10 (stock number 5820); Autolite AR3932; Champion C57CX (stock number 295); Denso IK-31 (stock number 5321)

**NOTE: Use chart for static compression and adjust heat range for nitrous use accordingly.