

DENSO

SAVER

RD

DENSO

DERFORME

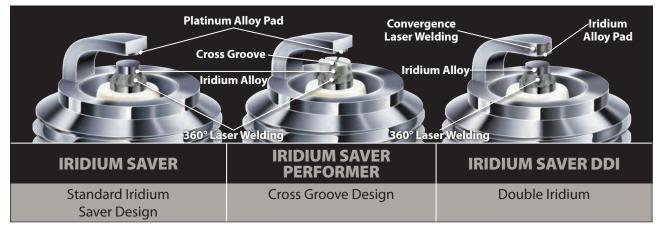
"I've saved thousands on maintenance costs using DENSO plugs"

Jon Yaunke, Owner Cypress Engine Accessories Cypress, Texas

DENSO

IRIDIUM SAVER Key To Long Plug Life

DENSO Offers Three Iridium Options



Cross Groove Design (M18mm Plug)

The cross groove creates four small electrodes which improves sparking performance and suppresses dispersion in voltage value, for an outstanding decrease in voltage required.

Unique Iridium Alloy

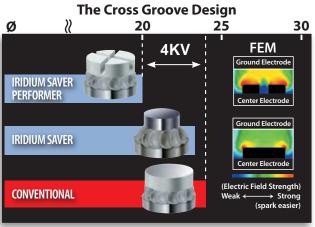
Iridium alloy – developed and patented by DENSO – offers a high melting point which dramatically improves wear resistance compared to other Iridium plugs.

360° Laser Welding

360° laser welding is used to create a seal so reliable the electrode resists wear even under the most extreme engine conditions.

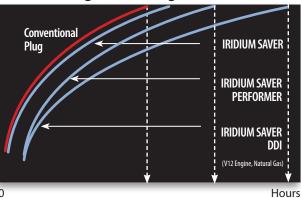
Proving Longer Life

Using the same laser welding process as the Iridium Power spark plug, DENSO designed a long life spark plug for gas engines. With our patented Iridium alloy, DENSO was able to shrink the center electrode to 0.7mm, dramatically improving ignitability while maintaining longevity.



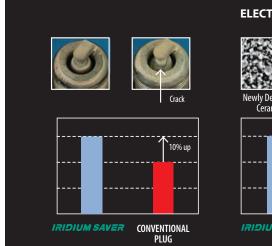
The above is analyzed by DENSO





The above is analyzed by DENSO

IRIDIUM SAVER Key To High Reliability



ELECTRICAL BREAKDOWN VOLTAGE (KV)

IRIDIUM SAVER CONVENTIONAL PLUG

High Dielectric Ceramics

Newly developed ceramics with finer grain, molded-in higher pressure and higher density prevents electrical breakdown of insulator.

Highly Reliable Robust Caulking with Powder Seal and Hot Lock (M18mm Plug)

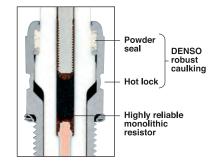
For engines with higher combustion pressure, DENSO's robust caulking can secure air-tightness and prevent the caulk from loosening and ejecting the insulator.

Highly Reliable Monolithic Resistor

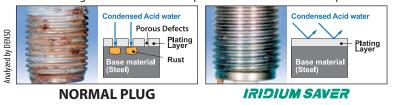
The Iridium Saver design guarantees the reliability to withstand high combustion pressures by incorporating a stress resistant monolithic resistor that adheres to the resistor glass in high temperature environments. The resistor's purpose is to eliminate interference to electronic equipment from high energy coil noise.

Special Nickel Plating With Better Corrosive Resistance (Electroless process eliminates porous defects)

Better corrosive resistance against condensed acid water.



Exposure Test By Acid Stream Atmosphere Test Length: 700 Hours Temperature: 90°C Acd Water: pH=2



IRIDIUM SAVER User's Voice

"Preventive Maintenance intervals are typically 90 days, and are driven by the need to replace the spark plugs before failure occurs. Still, at least10% of field units don't even make it to 90 days before misfiring occurs because most people use low-quality plugs.

When a unit goes down in the field, you're not pumping gas, and some units make \$4,000 to \$5,000 per hour. It can take up to 6 hours to reach the unit, replace the plugs, and bring it back online. With labor costs around \$80/per hour in the U.S., the total cost of a downed unit in the field can run as high as \$30,000.

Some guys using DENSO plugs have been able to extend their PM's to 120 days, and even re-use the same plugs for up to a year. Any way you look at it, the savings generated by using DENSO makes the cost of the spark plug itself insignificant."

Jon Yaunke, Owner Cypress Engine Accessories Cypress, Texas

Handling Failure Mode & Countermeasure

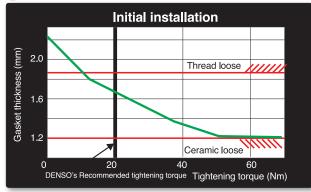
An effective way to diagnose an engine's operating condition is to check if the spark plugs look abnormal. If all cylinders are operating normally, then the spark plug appearance should be light grey with tanned deposits and minor electrode erosion.

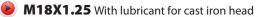
	I AASA (Aramir	aking of Id Portion	Ceramic Crack at Upper Housing Portion	Flash Over	High Temperature Oxidation	Sparking Failure
Phenomena				PAUM	Ground Electrode	
Cause	Excessive plug tightening.		Hit ceramic head with plug wrench when spark plug is tightened/removed.	Deterioration of plug boots.	High combustion temperature.	The spark plug did not spark because of deposits on the sparking portion of the insulator.
Counter Measure	Tighten with proper torque.		Use torque wrench correctly.	Replacement of plug boots.	Change with new plug due to end of useful life. Also, investigate cause of combustion temperature rising.	Clean the sparking portion of the insulator.

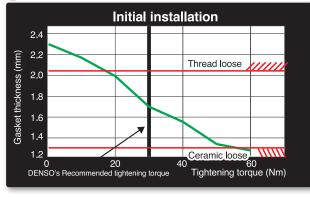
Tightening Torque

Regarding tightening, you can estimate if the tightening torque was proper or not by gasket thickness.

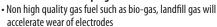




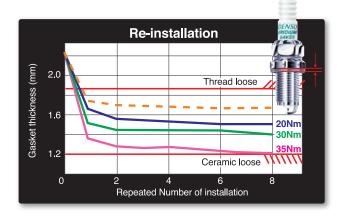


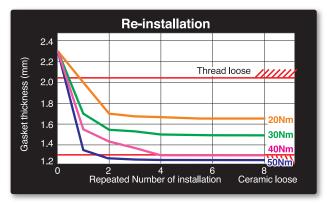


Possible cause of less plug lifetime is as follows



• Increase in energy of ignition coil accelerating wear of electrodes





Deterioration of ignition coil causing a decrease in ignition voltage being supplied to the spark plug.

Deterioration of plug boot decreasing flashover resistance

Superb DENSO Plug Quality.

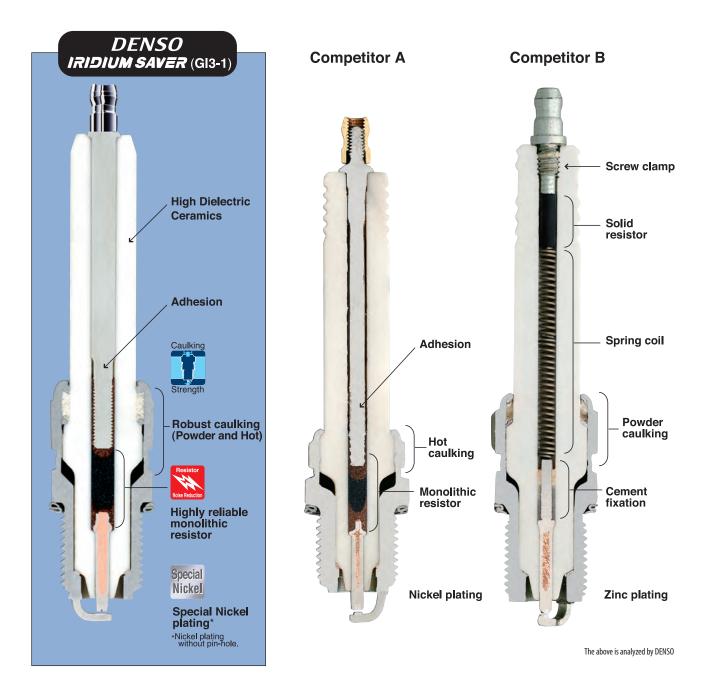
(M18 Iridium Saver Plug)

Prolong plug replacement time by using highly reliable Iridium Saver spark plugs.



To secure stable reliability, Iridium Saver adopts a robust structure, such as a robust monolithic structure in the insulator. And the bottom portion of insulator is housed by the installation metal shell by a robust caulking.

The Iridium Saver design guarantees the reliability to withstand high combustion pressures by incorporating a stress resistant monolithic resistor that adheres to the resistor glass in high temperature environments. The resistor's purpose is to eliminate interference to electronic equipment from high energy coil noise.



IRIDIUM SAVER Series Application Information

	RIDIUM SAVER	RIDIUM SAVER PERFORMER	RIDIUM SAVER DDI	
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ENGINE MAKER / TYPES	<u> </u>	_ <u> </u>	<u> </u>	GAP (INCH)
ARIEL	652.1		652.54	0.20mm (.012)
JGS-1 High Tension	GE3-1		GE3-5A	0.30mm (.012)
JGS-1 Low Tension	GE3-1		GE3-5A	0.30mm (.012)
ARROWS	652.1		652.54	0.20 (012)
VRG220, VRG330	GE3-1		GE3-5A	0.30mm (.012)
BERNARD	CND 14			0.20 (012)
All Models	GN3-1A			0.30mm (.012)
CASE		672.4	1	0.20 (012)
A284, A377, 159G Natural & LP Gas		GT3-1		0.30mm (.012)
188G, 301G, 377G Natural & LP Gas		GT3-1		0.30mm (.012)
CATERPILLAR		I	1	
3306, G333 1/2" Reach	GN3-1A			0.30mm (.012)
3306, G333 3/4" Reach, G343, G3304,	GE3-1		GE3-5A	0.30mm (.012)
G3400 series	GE3-1		GE3-5A	0.30mm (.012)
G342, G353, G375, G379	GN3-1A			0.30mm (.012)
G3500 (non B, C and E series)	GI3-3	GI3-1	GI3-5	0.28mm (.011)
G3600 series	GI3-3	GI3-1	GI3-5	0.28mm (.011)
G397, G398, G399	GN3-1A			0.30mm (.012)
CHRYSLER		1		
Thru 1974 H225, HB-225	GE3-1		GE3-5A	0.30mm (.012)
HB361, HB383, HC361, HT361	GE3-1		GE3-5A	0.30mm (.012)
HB413, HC413, HB170	GE3-1		GE3-5A	0.30mm (.012)
HT413, HB426, HC426, H170	GE3-1		GE3-5A	0.30mm (.012)
IND53, IND56, IND56A	GE3-1		GE3-5A	0.30mm (.012)
IND56, IND56A, LH318	GE3-1		GE3-5A	0.30mm (.012)
H170, HB170, H225, HB225	GE3-1		GE3-5A	0.30mm (.012)
HB361, HB383, HC361, HT361	GE3-1		GE3-5A	0.30mm (.012)
HB413, HC413, HT413, HB426,	GE3-1		GE3-5A	0.30mm (.012)
HC426			des sh	0.501111 (1012)
COOPER-BESSEMER				
ENG, GNG		GT3-1		0.30mm (.012)
GDJ, GMA, GMB, GMC w/G402		GT3-1		0.30mm (.012)
Reducing Bushing GDT, GFB, GFE, GFK w/G402		GT3-1		0.30mm (.012)
Reducing Bushing				
CUMMINS	1		1	l
6B, 6C, L-10, ISL G	GK3-1A			0.30mm (.012)
GNHC-4, GNH-220, GNH-250 1/2" Reach	GN3-1A			0.30mm (.012)
G/GTA 5.9	GK3-1A		GK3-5A	0.30mm (.012)
G 8.3C	GK3-1A		GK3-5A	0.30mm (.012)
GTA 8.3	GE5-1			0.50mm (.020)
GV-12450, GM-12-525 3/8" Reach	GN3-1A			0.30mm (.012)
GV-12450, GV-12-525 1/2" Reach	GN3-1A			0.30mm (.012)
No. 173416 5/8" Reach w/N677 Gasket (w/ special adapter)	GE3-1		GE3-5A	0.30mm (.012)
No. 90210035, 90210036 3/4" Reach	GE3-1		GE3-5A	0.30mm (.012)
Q19G, QSV 81-V16, QSV 91-V18	GI3-3	GI3-1		
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ENGINE MAKER / TYPES	RIDIUM SAVER	RIDIUM SAVER PERFORMER	RIDIUM SAVER DD	GAP (INCH)
DAE WOO			=	
GV222TIC, GE08TIC, GE12TIC, GV180TIC, GV158TIC	GK3-1A		GK3-5A	0.30mm (.012)
DEUTZ MWM	1	1	1	
G620 V-8, TBG616 V-8, TBG616 V-12	GL3-3	GL3-1	GL3-5	0.28mm (.011)
TBG441BV12, TBG441BV16	GL3-3	GL3-1	GL3-5	0.28mm (.011)
TBG616K V-8K, TBG616K V-12, TBG616K V-16K	GL3-3	GL3-1	GL3-5	0.28mm (.011)
TBG620 V-8, TBG620 V-12, TBG620 V-16	GL3-3	GL3-1	GL3-5	0.28mm (.011)
TBG620K V-12K TBG620K V-16K	GL3-3	GL3-1	GL3-5	0.28mm (.011)
DORMAN				
3DAG, 4DAG, 6DAG, 6QG, D ATG4, 6	GE3-1		GE3-5A	0.30mm (.012)
6LEG	GN3-1A			0.30mm (.012)
6SEG, 8SEG, 12SEG	GE3-1		GE3-5A	0.30mm (.012)
6SETCWG MinNox	GE3-1		GE3-5A	0.30mm (.012)
6PG, 12PG		GT3-1		0.30mm (.012)
12S, 12SG, 12STCWG, 12STCAG		GT3-1		0.30mm (.012)
FAIRBANKS MORSE				
38D8-1/8 Series		GT3-1		0.30mm (.012)
FORD			1	
158, 175, 201, 256 cid	GE3-1		GE3-5A	0.30mm (.012)
F UJI-ROBIN			1	
EC-05, EC-07, FG-14	GN3-1A			0.30mm (.012)
EY-13, EY-18, EY-25, EY-33	GN3-1A			0.30mm (.012)
EY-27, EY-14, EY-40, EC-16	GN3-1A			0.30mm (.012)
EY-44, EY-88, EC-03, EC-04	GN3-1A			0.30mm (.012)
GEMINI				
G26, G35	GN3-1A			0.30mm (.012)
GUASCOR				
FG180, FGLD180, FG240	GI3-3	GI3-1	GI3-5	0.28mm (.011)
FGLD240, FGLD360, FGLD480,	GI3-3	GI3-1	GI3-5	0.28mm (.011)
FGLD560	GI3-3	GI3-1	GI3-5	0.28mm (.011)
GE JENBACHER		1		
J612, J616, J620 (1995/9 - BMEP =	GI3-3	GI3-1	GI3-5	0.28mm (.011)
16 bar or less) GM				
	GE3-1		GE3-5A	0.30mm (.012)
305, 351, 401, 478, 702 Gasoline				
305, 351, 401, 478, 702 LPG	GE3-1		GE3-5A	0.30mm (.012)
HERCULES	CK2 14			0.30mm (012)
G4800, GTA4800	GK3-1A			0.30mm (.012)
C-537, C-605	GE3-1		GE3-5A	0.30mm (.012)
U817, U817B, UT817, UT817B	GN3-1A		GE2-24	0.30mm (.012) 0.30mm (.012)
(14mm Heads)	AI-CND			0.5000000000000000000000000000000000000
JLO - ROCKWELL	l		I	
G49, L35, L77, LV298, MM25, MM40	GN3-1A			0.30mm (.012)
GA50 Updated Version, V49	GN3-1A			0.30mm (.012)
s. so oparea version, vity	GIIS IN			0.001111 (.012)

IRIDIUM SAVER Series Application Information

	RIDIUM SAVER	RIDIUM SAVER PERFORMER	RIDIUM SAVER DDI	
		RFO		
ENGINE MAKER / TYPES	<u> </u>	≝≂	<u> </u>	GAP (INCH)
JOHN DEERE				
6.8L	GK3-1A		GK3-5A	0.30mm (.012)
300 Series	GE3-1		GE3-5A	0.30mm (.012)
400, 500 Series Natural & LP Gas		GT3-1		0.30mm (.012)
6076AFN30 (150, 200 H.P.)	GK3-1A		GK3-5A	0.30mm (.012)
6081HFN, 6090HFN	GK3-1A			0.30mm (.012)
J-W POWER	1	1	1	
Superburn Pre-Cell	GE3-1		GE3-5A	0.30mm (.012)
LIEBHERR				
G 924 T	GE3-1		GE3-5A	0.30mm (.012)
G 924 TC	GE3-1		GE3-5A	0.30mm (.012)
G 926 T	GE3-1		GE3-5A	0.30mm (.012)
G 926 TC	GE3-1		GE3-5A	0.30mm (.012)
G 926 TC 40	GE3-1		GE3-5A	0.30mm (.012)
G 9408 TC	GK3-1A		GK3-5A	0.30mm (.012)
G 9408 TC 40	GK3-1A		GK3-5A	0.30mm (.012)
MAN				
E 0824 E 301, E 0824 E 302, E 0826 E301, E 0826 E302,	GE3-1		GE3-5A	0.30mm (.012)
E 2842, E 2842 LE, E 2843 LN, E 2876, E 2866 LUH01	GE3-1		GE3-5A	0.30mm (.012)
E 0834, E0836	GK3-1A			0.30mm (.012)
E 2866 DUH03	GE5-1			0.5mm (.020)
M.E.P. INDUSTRIES				
M.E.P6, -8, -10, -12		GT3-1		0.30mm (.012)
MINNEAPOLIS - MOLINE				
NATURAL & LP-GAS 206-4A, 220-4, HD220-4A, M220- A4A		GT3-1		0.30mm (.012)
283-4A, HD504-6A		GT3-1		0.30mm (.012)
336A-4A, HD425-6A, HD504A-6A		GT3-1		0.30mm (.012)
605A-6A, 605B-6A, HD605-6A		GT3-1		0.30mm (.012)
HD800-6A, HD800A-6A,		GT3-1		0.30mm (.012)
1210-12A				
PERKINS				
G4-203, G4-236, 900 Series	GE5-1			0.5mm (.020)
4000 Series	GI3-3	GI3-1	GI3-5	0.28mm (.011)
RATHBUN JONES				
Models w/G-402 Reducing Bushing		GT3-1		0.30mm (.012)
ROILINE				
F1500, H2000, H2470 (Light Load)		GT3-1		0.30mm (.012)
F1500, H2000, H2470 (Heavy Load)		GT3-1		0.30mm (.012)
H540, H844, H570, H884		GT3-1		0.30mm (.012)
L3230, L3460, L4000 (Light Load)		GT3-1		0.30mm (.012)

	AVER	aver er	RIDIUM SAVER DDI	
	RIDIUM SAVER	RIDIUM SAVER VERFORMER		
ENGINE MAKER / TYPES	IRID	IRID PER	IRID	GAP (INCH)
L3230, L3460, L4000		GT3-1		0.30mm (.012)
(Heavy Load)				
F1500, F1850, H2000, H2150, H2470		GT3-1		0.30mm (.012)
L3000, L3230, L3460, L4000		GT3-1		0.30mm (.012)
ROTAX				
370cc Normal & Severe Service	GN3-1A			0.30mm (.012)
SACHS				
504 Series, 505 Series, 508, Stamo SL-2	GN3-1A			0.30mm (.012)
SACM				
Model UD30 Thru 1994	GK3-1A		GK3-5A	0.30mm (.012)
Model 175 1996 & up	GK3-1A		GK3-5A	0.30mm (.012)
SUPERIOR				
1706G2, 1712G1	GI3-3	GI3-1	GI3-5	0.28mm (.011)
1980-46 G510 Series		GT3-1		0.30mm (.012)
1980-51 G825 Series		GT3-1		0.30mm (.012)
1979-65 GT825 Series		GT3-1		0.30mm (.012)
1980-79 GTL Series		GT3-1		0.30mm (.012)
1980-61 GT510 Series		GT3-1		0.30mm (.012)
1965-58 GX825 Series		GT3-1		0.30mm (.012)
1980-76 SGT Series		GT3-1		0.30mm (.012)
VOLKSWAGEN				
Models 122, 124A Gasoline, Natural Gas & LPG	GN3-1A			0.30mm (.012)
VOLVO TRUCK				
GH10C, MG9	GE3-1		GE3-5A	0.30mm (.012)
WARTSILA				
Model 175 (1994 -), W220SG	GK3-1A		GK3-5A	0.30mm (.012)
W25SG, W28SG, W34SG, W20V, 34SG	GI3-3	GI3-1	GI3-5	0.28mm (.011)
WAUKESHA				
AT Series				
8L-AT25GL / AT27GL (13/16" Reach Heads)	GI3-3	GI3-1	GI3-5	0.28mm (.011)
L5794GSI	GI3-3	GI3-1	GI3-5	0.28mm (.011)
L7044G (VHP Series V-12), L7044GL (VHP Series V-12), L7044GSI VHP Series V-12)	GI3-3	GI3-1	GI3-5	0.28mm (.011)

IRIDIUM SAVER Series Application Information

	DIUM SAVER	IUM SAVER FORMER	DIUM SAVER	
ENGINE MAKER / TYPES	IRID	PER	DDI DDI	GAP (INCH)
8L-AT25GL/AT27GL (1/2" Reach Heads)		GT3-1		0.30mm (.012)
12V-AT25GL / AT27GL (13/16" Reach Heads)	GI3-3	GI3-1	GI3-5	0.28mm (.011)
12V-AT25GL/AT27GL (1/2" Reach Heads)		GT3-1		0.30mm (.012)
Intermediate Series	I		I	
F1905GR		GT3-1		0.30mm (.012)
Natural & LP-Gas / 14mm Heads	5		I	
H1077G, H1077GSI, L1616G, L1616GSI	GE3-1		GE3-5A	0.30mm (.012)
VRG220, VRG330	GE3-1		GE3-5A	0.30mm (.012)
VRN265, VRN283, VRN310	GE3-1		GE3-5A	0.30mm (.012)
VGF Series Inline 6				
F18G, F18GL / GLD	GI3-3	GI3-1	GI3-5	0.28mm (.011)
VGF Series Inline 8				
H24G, H24GL / GLD	GI3-3	GI3-1	GI3-5	0.28mm (.011)
VGF Series V-12				
L36GL / GLD	GI3-3	GI3-1	GI3-5	0.28mm (.011)
VGF Series V-16				
P48GL GLD	GI3-3	GI3-1	GI3-5	0.28mm (.011)
VHP Series Inline 6				
2895GL (13/16" Reach Heads)	GI3-3	GI3-1	GI3-5	0.28mm (.011)
3521GL (13/16" Reach Heads)	GI3-3	GI3-1	GI3-5	0.28mm (.011)
2895GL (1/2" Reach Heads)		GT3-1		0.30mm (.012)
3521GL (1/2" Reach Heads)		GT3-1		0.30mm (.012)
F2895G, F2895GSI		GT3-1		0.30mm (.012)
F3521G, F3521GSI		GT3-1		0.30mm (.012)
VHP Series V-12				
L5108GL (13/16" Reach Heads)	GI3-3	GI3-1	GI3-5	0.28mm (.011)
L5790GL (13/16" Reach Heads)	GI3-3	GI3-1	GI3-5	0.28mm (.011)
L7042GL (13/16" Reach Heads)	GI3-3	GI3-1	GI3-5	0.28mm (.011)
L5108G, L5108GSI, L5790G		GT3-1		0.30mm (.012)
L5790GSI, L7042G, L7042GSI		GT3-1		0.30mm (.012)
5108GL (1/2" Reach Heads)		GT3-1		0.30mm (.012)
5790GL (1/2" Reach Heads)		GT3-1		0.30mm (.012)
7042GL (1/2" Reach Heads)		GT3-1		0.30mm (.012)
VHP Series V-16				
P5115GL	GI3-3	GI3-1	GI3-5	0.28mm (.011)
P9390GL (13/16" Reach Heads)	GI3-3	GI3-1	GI3-5	0.28mm (.011)
9390G, P9390GSI		GT3-1		0.30mm (.012)
9390GL (1/2" Reach Heads)		GT3-1		0.30mm (.012)
VSG Series	CE2 4			0.20- (.012)
F11G, F11GSI / CSID, P2154G, P2154GSI	GE3-1		GE3-5A	0.30mm (.012)

ENGINE MAKER / TYPES	IRIDIUM SAVER	IRIDIUM SAVER PERFORMER	IRIDIUM SAVER DDI	GAP (INCH)
H1077G, H1077GSI, L1616G, L1616GSI	GE3-1		GE3-5A	0.30mm (.012)
VSG Series / 18mm Heads				
F1197GRSI, F1905GRSI, Generator Set		GT3-1		0.30mm (.012)
F2894G, F2894GRSI, F3520G, L5100GR		GT3-1		0.30mm (.012)
L5788GRSI, L7040G		GT3-1		0.30mm (.012)
L5100GRSI, L5788GR		GT3-1		0.30mm (.012)
L7042GSIE, F3521GSIE		GT3-1		0.30mm (.012)
6BZ, 6LRZ, 6LRZB, 6MZA, 6MZR, ICK		GT3-1		0.30mm (.012)
6NK, 6WAK, 6WAKB, NKRB, WAKR, LRORB		GT3-1		0.30mm (.012)
140GK, 145GK, FC		GT3-1		0.30mm (.012)
180G, 180GB, 180GKB, 185GLB		GT3-1		0.30mm (.012)
190G, 190GLB, 195G, 195GK		GT3-1		0.30mm (.012)
WISCONSIN				
W2-1230 Serial #5996538 & Up	GE3-1		GE3-5A	0.30mm (.012)
W2-1235, W4-2460, W2-1250	GE3-1		GE3-5A	0.30mm (.012)
WISCONSIN - ROBIN				
EY18-3W, EY25W Gasoline	GN3-1A			0.30mm (.012)
EY18W, EY21W, EY27W, EY44W	GN3-1A			0.30mm (.012)
WT-125V, W1-450V	GN3-1A			0.30mm (.012)
W1-145, W1-390, W1-185, W1-340	GN3-1A			0.30mm (.012)
WITTE				
G-260	GN3-1A			0.30mm (.012)
YAMAHA				
AS110	GN3-1A			0.30mm (.012)

Recommended Tightening Torque





Thread size	Lubricant (on threads)	Recommend (cast iron hea	-
M14 X 1.25	With lubricant	20 Nm	15 ft-lbs
	Without lubricant	30 Nm	22 ft-lbs
M18 X 1.5	With lubricant	30 Nm	22 ft-lbs
	Without lubricant	45 Nm	33 ft-lbs

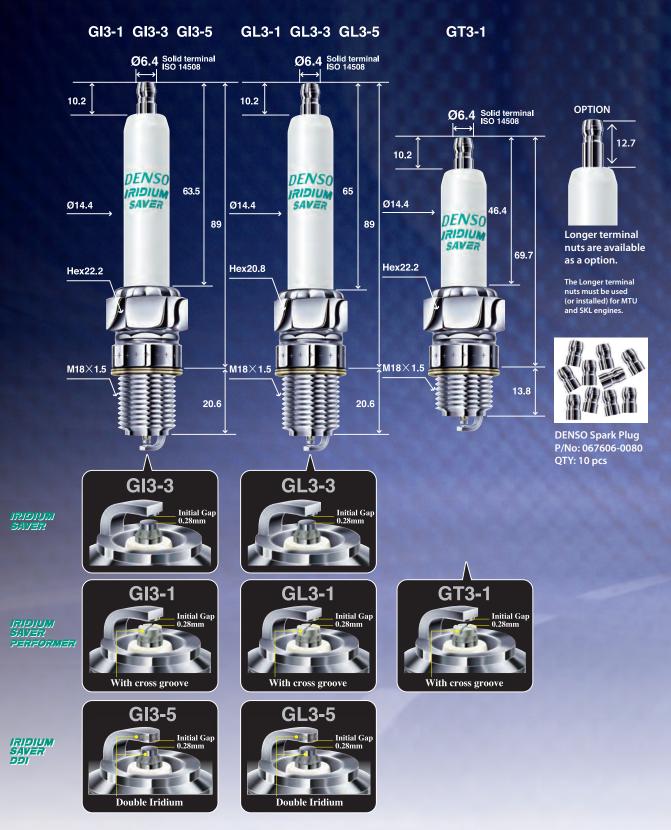
Cross Reference

CHAMPION	BERU	STITT	ALTRONIC	IRIDIUM SAVER	IRIDIUM SAVER PERFORMER	IRIDIUM SAVER DDI
RB77WPC / RB77WPCC / KB77WPCC / RB77CC	18GZ 4-77 / 18GZ 6-77 / 18GZ 20		L1863IP	GI3-3	GI3-1	GI3-5
RB75N / RB75PP(*2)	18GZ 6-77-2	RL807LL	L1863B L1863DP			
RB76N(*1) / RB76PP(*1)	18GZ 7(*1)	RL807LL		GI3-3	GI3-1	GI3-5
RB75WPCC	18GZ 5-77 18GZ 5-77-2			GL3-3	GL3-1	GL3-5
RM77N	18GZ33	R807	L1843B	-	GT3-1	-
RM77PP			L1843IP			
RN79G(0.015)	14R-3 CPU / 14-3 CPU /	R407XL		GE3-1	-	GE3-5A
	14R-5 DPU / 14R-4 CDP		J1463DP			
RN79G(0.02)	14R-4 CIU			GE5-1	-	-
RC78PYP(*3)	14FR4 DPU0			GK3-1A	-	GK3-5A
RC78PYP15(*3)	14FR4 DPU0			GK3-1A	-	GK3-5A
RC78WYP15(*3)	14FR-4DIU			GK3-1A	-	GK3-5A
RL85G / RL15B	14R-5 BPU / 14R-4 ADP /	R407L	J1443DP	GN3-1A	-	-
	14R-5 BIU					

Insulator length of 18GZ series is shorter than GI3-3 and GI3-1. *1: Insulator length of 18G76N and RB76PP, 18G27 is shorter than GI3-3 and GI3-1. *2: Insulator length of RB75PP is longer than GI3-3 and GI3-1. When DENSO spark plugs are used instead of above mentioned, check wether spark plug caps can be used on DENSO spark plugs. *3: Insulator length of RC78PYP and RC78WYP15 is 5mm longer than GK3-5A, GK3-1A and GK3-3A. *4: For CNG vehicle.

				Specifications						
		G	K	3 - 1 (A)						
	For Gas Engi	ne								
Plug	Type and Inst	allation Din	nension	Initial Gap Terminal Design						
	Thread	Hex Size	Reach	Number Nominal Value Number Spec.						
				3 0.3mm None solid						
Letter				5 0.5mm / A with nut						
	ľ		T	Plug Type and Installation Dimension						
E		20.8mm	19mm	1. IRIDIUM SAVER Iridium pad without cross groove on center electrode and Platinum pad on						
N	M 14 x 1.25	20.8mm	12.7mm	ground electrode. 3. IRIDIUM SAVER For vehicle						
к		16mm	19mm	5. IRIDIUM SAVER DDI (DENSO Double Iridium) Iridium pad without cross groove on center electrode and Iridium pad on ground electrode.						
L		20.8mm	20.6	1. IRIDIUM SAVER PERFORMER Iridium pad with cross groove on center electrode and Platinum pad						
I			20.6mm	on ground electrode. 3. IRIDIUM SAVER						
т	M 18 x 1.5	22.2mm	13.8mm	Iridium pad without cross groove on center electrode and Platinum pad on ground electrode. 5. IRIDIUM SAVER DDI (DENSO Double Iridium) Iridium pad without cross groove on center electrode and Iridium pad on ground electrode.						

DENSO *IRIDIUM SAVER* M18mm Plugs



DENSO *IRIDIUM SAVER* M14mm Plugs

GE3-1 GE5-1 GE3-5

GN3-1A

GK3-1/(GK3-1A) GK3-5













IRIDIUM SAVER





IRIDIUM SAVER DDI

IRIDIUM SAVER



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