



Ministry
of Defence

de&s

DE&S Secretariat (Land Equipment)

DESSEC-PolSecLE-JSC-WPNS@mod.uk

Defence Equipment & Support
Maple 0a # 2043
MOD Abbey Wood
Bristol BS34 8JH



Via:

17th February 2020 Our Ref: FOI2020/01896

Dear [REDACTED],

Thank you for your email of 7th February 2020 requesting the following information:

*Please provide me with a full copy of United Kingdom Defence Standard 29-2 Issue 1 dated January 1969, ie. the first version of this Def Stan, relating to spark plugs.
Please provide the document in Adobe Acrobat (.pdf) format.*

I am treating your correspondence as a request for information under the Freedom of Information Act 2000 (FOIA).

A search for the information has now been completed within the Ministry of Defence (MOD), and I can confirm that information in scope of your request is held and can be found attached.

Under Section 16 of the Act (Advice and Assistance) you may find it helpful to note that this Defence Standardization has been withdrawn and is no longer in use with the MOD.

If you have any queries regarding the content of this letter, please contact this office in the first instance.

If you wish to complain about the handling of your request, or the content of this response, you can request an independent internal review by contacting the Information Rights Compliance team, Ground Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail CIO-FOI-IR@mod.gov.uk). Please note that any request for an internal review should be made within 40 working days of the date of this response.

If you remain dissatisfied following an internal review, you may raise your complaint directly to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not normally investigate your case until the MOD internal review process has been completed. The Information Commissioner can be contacted at: Information Commissioner's Office, Wycliffe House, Water Lane, Wilmslow, Cheshire, SK9 5AF. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website at <https://ico.org.uk/>.

Yours sincerely,

DES SEC Pol Sec Land Equipment

Defence Equipment & Support



Ministry of Defence

Defence Standard

29-2/Issue 2

6th September 1974

**PLUGS, SPARKING
(NON-AIRCRAFT)**

AMENDMENT RECORD

AMENDMENT NUMBER	DATE	SIGNATURE

REVISION NOTE

This issue covers additional information on the heat rating of spark plugs and updates current Service requirements.

PLUGS, SPARKING (NON-AIRCRAFT)

This Defence Standard supersedes DEF STAN 29 - 2,
Issue 1, dated 10 January 1969

1. This Standard specifies the range of sparking plugs for Ministry of Defence use on all gasoline internal combustion engines other than aircraft engines.
2. Table I(A) lists the standard range of unscreened sparking plugs. Table I(B) lists the standard range of screened sparking plugs. Selection of sparking plugs for incorporation in all future designs of gasoline internal combustion engines and, wherever practicable, for existing equipments, will be made from these tables.
3. Tables II(A) and II(B) list the range of items permitted only for maintenance purposes of unscreened plugs and screened plugs respectively.
4. Table III lists those items which will no longer be provisioned, replacement items are described in Tables I or II of this Standard.
5. Plugs, Sparking have been made the subject of International Agreements which are recorded in the following documents:

ABC-ARMY-STD 6B
NATO STANAG - 2602
NATO STANAG - 4006 Part 1

The substances of these agreements are given in the Annex to this Standard.

6. This Defence Standard implements the terms of the above International Agreements in so far as it is the UK intention to comply.
7. (a) This Standard is to be invoked in all tenders/contracts for the items in Table I and maintenance range items in Table II. Any items supplied must be wholly in conformity with its requirements.
(b) For codification purposes this Standard is to be listed among the reference data for all items in Tables I(A) and I(B).
8. This Standard has been agreed by all authorities concerned who are to implement it from its date of issue.
9. If this Standard should be found unsuitable for a particular requirement, the Director of Standardization, shall be informed of the circumstances. Any enquiries regarding this Standard in relation to an invitation to tender or a contract in which it is invoked should be addressed to the Quality Assurance Authority named in that invitation to tender or contract.

TABLE I(A)
STANDARD RANGE
PLUG, SPARKING - UNSCREENED

ITEM NO	NATO STOCK NUMBER	SERVICE MANAGEMENT CODE		ITEM NAME	DESCRIPTION			SPECIFICATION	MANUFACTURER'S REFERENCE OF EQUIVALENT PLUGS				REMARKS	
	2920-99-		ARMY		THREAD SIZE mm	THREAD REACH in	HEAT RATING RANGE °		CHAMPION	AC	KLG	LODGE		
				(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(k)	(l)	(m)
1	942-2984	6 MT4			PLUG, SPARKING	14	1/2	Medium 125-200	BS 45	L10	45F	F50	CX	EXTENDED NOSE () () () () () () () ()
2	942-2985						3/4	Cold OVER 200		L7	44F	F75	HN	
3	824-5467									L92Y	43FS	F55P	CNY	
4	400-8659	6 MT4			14	3/4	Cold OVER 200	BS 45	N6Y	41XLS	F85P	2HLY		
5	802-4046								N12Y	44XLS	F85SP	CLNY		
6	802-4047								N9Y	42XLS	F85SP	HLY		
7	942-2986								N8	46XL	F80	CLNH		
8	942-2987								N5	45XL	F70	HELN		

TABLE I(B)
STANDARD RANGE
PLUG, SPARKING - SCREENED

ITEM NO	NATO STOCK NUMBER	SERVICE MANAGEMENT CODE		ITEM NAME	DESCRIPTION				SPECIFICATION	MANUFACTURER'S REFERENCE OF EQUIVALENT PLUGS			REMARKS
	2920-99-		ARMY		THREAD SIZE mm	THREAD REACH in	SCREEN THREAD SIZE	HEAT RATING RANGE °		CHAMPION	KLG	LODGE	
	(a)		(b)	(c)	(d)	(e)	(f)	(g)	(h)	(j)	(k)	(l)	(m)
1	803-6570	6 MT4		PLUG, SPARKING	14	1/2	0.692 x 24 tpi	Medium 125 to 200	-	RSL10	RF50	SR14	FV 175878 - FV 342501 - PREFERRED ITEMS
2	803-5983					3/4				RSN8	-	SR14PC	
3	803-6518									RSN13PA	-	SR14	
4	804-0787									RSN12Y	-	-	
5	813-5825												
6	* +				14	1/2 3/4	0.625 x 24 tpi		-	-	-	-	
7	* +									-	-	-	

Notes applicable to these Tables are on page 5.

TABLE II(A)
FLUC, SPARKING - UNSCREENED
ITEMS PERMITTED FOR MAINTENANCE PURPOSES ONLY

ITEM NO	NATO STOCK NUMBER	SERVICE MANAGEMENT CODE		ITEM NAME	DESCRIPTION		MANUFACTURER'S REFERENCE NUMBER					REMARKS
		ARMY			THREAD SIZE mm	THREAD REACH in	CHAMPTON	AC	KLG	LODGE		
	2920-99-	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(j)	(k)	
1	802-0957	6MT4		PLUG, SPARKING	14	3/8	J4J J8	M42K VP9	FS100H FS50	3HANN CAN	BOSCH-M175TI BOSCH-M240TI	
2	942-6972					7/16	RBL7Y H8	-	R41TS FA70H	H8SN		
3	821-9536					1/2	K9 K61R	C82	M75	HV		
4	881-7394						11COM	-	TM60	-		
5	400-8209				18	3/4	700H	EC8	M50	-		
6	803-5884						UK10	C85H	M60	H8V		
7	803-6192						D6	83COM	M80	2HV		
8	803-6281						700ML 900ML	-	ML30	VL		
9	400-8221						-	88L	-	CB3		
10	818-0824						W89D C5	88 78S	A5	CT		
11	803-6674	213				1/2	-	-	-	-	HERU-EHE 514 7/8 in - 1 1/8 (DIESEL)	
12	804-0889						-	-	-	-		
13	809-9058						-	-	-	-		
14	803-6283						-	-	-	-		
15	803-6054						-	-	-	-		
16	2920-00-293-5228	7W0			14	1/2	-	-	-	-	BOSCH-WC175ERTI	
17	2920-00-810-7083						-	-	-	-		
18	2920-12-125-7593						-	-	-	-		
19	2920-99-202-1445	W7			18	3/8	UD16	-	-	-	ONAN-16781	
20	2920-99-205-9221						-	-	-	-		
21	2920-99-202-5109	X3			18	1/2	-	-	-	-	FOR 115HP JOHNSON OUTBOARD } RN FOR 125HP JOHNSON OUTBOARD } REQUIREMENT	
22	2920-99-205-1575						D16	C86	SM30	-		
23	2920-99-522-5697	0472			14	1/2	UL77V	-	-	-		
24	2920-99-525-7067						-	V40FM	-	-		

Notes applicable to this Table are on page 5.

TABLE II(B)
FLUC, SPARKING - SCREENED
ITEMS PERMITTED FOR MAINTENANCE PURPOSES ONLY

ITEM NO	NATO STOCK NUMBER	SERVICE MANAGEMENT CODE	ITEM NAME	DESCRIPTION		MANUFACTURER'S REFERENCE NUMBER				REMARKS
				THREAD SIZE mm	THREAD REACH in	CHAMPION	AC	KLG	LODGE	
			(c)	(d)	(e)	(f)	(g)	(h)	(j)	(k)
1	803-6055	ARMY 6MT4	FLUC, SPARKING	14	3/8	RSJ8	-	RFS50RC	-	FV 175937
2	803-5811				14 mm	-	-	-	EV1194	
3	803-6381			18	1/2	-	-	SR1	-	
4	803-6661				3/4	-	RML60	SR2	SR2/1	
5	800-9475					-	-	RS261R	-	

Notes applicable to this Table are page 5.

TABLE III
PLUG SPARKING
ITEMS NO LONGER TO BE PROVISIONED

ITEM NO	NATO STOCK NUMBER	SERVICE MANAGEMENT CODE		ITEM NAME	NATO STOCK NUMBER OF REPLACEMENT ITEMS
	2920-99-	ARMY			
	(a)	(b)		(c)	(d)
1	001-5025	6MT4		PLUG, SPARKING	2920-99-803-6518
2	400-8618				2920-99-802-4047
3	400-8658				2920-99-400-8659
4	802-4048				2920-99-942-2985
5	802-4050				2920-99-942-6972
6	803-6427				2920-99-400-8221
7	803-6992				NONE
8	804-1664				2920-99-803-6674
9	804-1984				2920-99-942-2987
10	804-2740				NONE
11	807-3501				2920-99-942-2986
12	819-3355				2920-99-942-2984
13	2920-00-293-5244	X3	MT4		2920-99-942-6972
14	2920-12-120-8959	X3	MT4		2920-99-400-8221
15	2920-99-205-4674	X3	-		NONE

Notes applicable to the Tables:

1. When only a Service management code appears in the Army column, the full Army number is the NATO Stock Number prefixed by that code eg LV6/MT4/2920-99-803-6518.
2. Plugs, Sparking are the subject of single Service management by the Army on behalf of the three Services. The item reference number to be quoted by the other Services (Navy and Air Force) is the full NATO Stock Number prefixed by the Army management code, as in Note 1 above.
3. * indicates Internationally agreed items.
4. Ø The heat rating of Plugs. Sparking is equated to their pre-ignition tendencies computed under control conditions in a specially prepared IC engine. The heat rating figures shown represent the highest IMEP at which the plug will function continuously without pre-ignition. They are based on the 1951 SAE Standard: 'Pre-ignition rating of Plugs, Sparking, of ground vehicles'.
5. The dimensions of tapped holes for Plugs, Sparking are to comply with BS 45.

ANNEX

SUBSTANCE OF AGREEMENTS

ABC-ARMY - STD - 6B

DESIGN STANDARDIZATION OF SPARK PLUGS

24th MAY 1961

It has been agreed to control the design of screened waterproof type sparking plugs used in spark ignition internal combustion engines for tactical vehicles to effect complete physical interchangeability and the maximum functional interchangeability.

NATO STANAG 2602

SPARKING PLUGS

8th MAY 1956

It has been agreed to Standardize the dimensions and the heat ranges of the sparking plugs.

NATO STANAG 4006 PART 1

SHIELDED SPARKING PLUGS (FOR 5 mm LEAD) FOR WHEELED TACTICAL VEHICLES

8th MARCH 1965

It has been agreed to adopt certain standard dimensions of screened sparking plugs for wheeled tactical vehicles. The standard dimensions apply also to other specialised equipment if radio suppression is required.

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Published by and obtainable from:

Ministry of Defence

Directorate of Standardization

First Avenue House

High Holborn

London WC1V 6HE

CLARITY ADMIN1 - CHECK LIST for approving hire car bookings

- ☐ **Write down Clarity summary ID number:** _____
- ☐ **Check the UIN** is on the ADO 1AF delegation list of UINs. If it is not. Email the name/driver who booked the hire car, to ask which delivery team they are in and who the Budget Manger is. With this information, email DES DFPA-CORP-OCFin-General (MULTIUSER) DESDFPA-CORP-OCFin-General@mod.gov.uk and await their decision to go ahead to approve the hire car (this doesn't happen very often).
- ☐ **Check the driver's Driving License** on the DL spreadsheet on SharePoint – Clarity. If their details are out of date, email the driver to ask for sight of their driving license and provide a DVLA code for you to check for any endorsements on DVLA - <https://www.gov.uk/view-driving-licence>. Use Google Chrome.
- ☐ **Check the start date/time** – if outside the 0800 – 1800 hours, email the booker/driver to change the start day/time to the day before 17:55. This will avoid the out of hours delivery charge. But bear in mind if it is a Monday, then leave date/time as it is, due to the weekend which will incur extra charge.
- ☐ **Check the end date/time** – if outside the 0800-1800 hours, email the booker/driver to change the end day/time to the following day 08:15. This will avoid the out of hours collection charge. But bear in mind if it is a Friday, then leave the date/time as it is, due to the weekend which will incur extra charge.
- ☐ **Type of vehicle:** If only one person travelling the car should be **P251**
- ☐ **Collection/Delivery notes:** check the booker/driver has added where the keys will be left on collection. As much detail is always good. If what is added not clear, ask to make clearer. **DO NOT** leave blank. If Thrifty cannot collect the car, it will be reported as missing, incurring a charge.
- ☐ **Description:** check the booker/driver has added details of why they are travelling. If there is no detail, email the booker/driver to **ADD** this information. **DO NOT** leave blank. Info is required.
- ☐ **Print off a copy** of the Clarity booking, file in the Booking Request Summaries folder

PLUGS, SPARKING (NON-AIRCRAFT)

AMENDMENT 2

1. Page 3, Table II (B), after line 4

Insert new item as follows:

Column 1 Insert: 813-5825

Column 2 Insert: --

Column 3 Insert: LV6/MT4

Column 4 Insert: --

Column 6 Insert: 14 mm

Column 8 Insert: 3/4 in

Column 9 Insert: Hot

Column 10 Insert: Extended nose plug

Column 11 Insert: RSN-12Y

Column 12 Insert: -

Column 13 Insert: -

28th February 1973

DIRECTORATE OF STANDARDIZATION
MINISTRY OF DEFENCE
LONDON.

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ADDENDUM TO DEFENCE STANDARD 29 - 2, ISSUE 1

PLUGS, SPARKING, (NON-AIRCRAFT)

AMENDMENT NO 1

1. Page 2, Table II(A), line 13

Column 1 : insert 802-4047

Column 2 : insert LV6/MT4

Column 4 : delete 16E/24623

2. Page 4, Table III, line 13

Delete LV6/MT4/2920-99-802-4047 and all detail

5TH OCTOBER 1970

DIRECTORATE OF STANDARDIZATION
MINISTRY OF DEFENCE
LONDON.

MINISTRY OF DEFENCE

PLUGS, SPARKING (NON-AIRCRAFT)

1. This document is associated with DEF STAN 29 - 2 /1 and lists in Table II(A) and Table II(B) items permitted only for maintenance purposes.
2.
 - a. Items no longer to be provisioned are listed in Table III and the replacement items are described in DEF STAN 29 - 2 /1.
 - b. The items for which no replacements are shown in Table III are those for which there is no future Service requirement.
3. Departments named in clause 1 of DEF STAN 29 - 2/1 are to take appropriate action on this document.

Copies of this document and the Standard to which it relates may be obtained from:

Directorate of Standardisation,
Ministry of Defence,
London.

TABLE II(A)
PLUGS, SPARKING - UNSCREENED
ITEMS PERMITTED ONLY FOR MAINTENANCE PURPOSES

NATO STOCK NUMBER 2920-99-	SERVICE MANAGEMENT CODE OR DOMESTIC REFERENCE NUMBER			ITEM NAME	DESCRIPTION					MANUFACTURER'S REFERENCE NUMBER				
	NAVY	ARMY	AIR FORCE		SIZE	SCREENING	REACH	HEAT RANGE	OTHER PARTICULARS	CHAMPION	AC	KIG	LODGE	
802-4049 802-4050 942-6972 +	0569/19604 0569/209781 0569/209780 -	- LTV6/MKA LTV6/MKA -	- - 163 163/9881 -	14 mm	Unscreened	3/8 in	Hot Med Med Cold Cold		UJ12 J8 J6 J-4J	L8 44-57 V79 M2K	7820 - 7850 -	BAN - CAN -		
802-0957	- 0821	- LTV6/MKA	- -			7/16 in	Med Hot Cold	American outboard two stroke engine Paper seat, extended tip	HB HBJ	AL M2K A278	7870 -	-	-	-
802-4048 +	- -	- LTV6/MKA	- 163/2968			1/2 in	Cold Cold	Resistor 15,000 ohms Capacitor and series gap	XL-85	-	-	-	-	2H
803-6992	- -	- LTV6/MKA	- -			0.700 in	Med	Resistor 15,000 ohms platinum painted	-	-	-	-	-	CLAMP-1
807-3501 +	- -	- LTV6/MKA	163/18756 163/2623 163/23927	18 mm	Unscreened	3/4 in	Med Cold Cold	Resistor 15,000 ohms Extended nose plug Capacitor and series gap	XL-8 -	- -	7852 7867	- 2HL		
803-6881 803-5884 +	0569/19612 0569/19731 -	- LTV6/MKA LTV6/MKA -	- 163/4259 - 163/24078			1/2 in	Hot Hot Med Cold Cold	Racing gap type Booster gap type	800M 7 700M K61B UK10	88 C87H C85H -	830 830 830 -	830 830 830 -		
803-6192 803-6427	- 0569/4787	- LTV6/MKA	- 163/4262 -				Cold Cold		K9	- 830M	830 860	830 860	830 830 830 -	
804-0889 803-6674 804-1664	0569/19732 0569/19611 -	LTV6/MKA LTV6/MKA LTV6/MKA	- 163/19865 -			3/4 in	Hot Med Cold		- 700ML -	- -	788	788	A5	CT
803-6054	0569/19430	LTV6/MKA	163/4264	5/8 in	Hot		C5		W830	-	-	-		
803-6283	-	LTV6/MKA	-	1-1/8 in	Hot									

TABLE II(B)

PLATES, SPARKING - SCREENED

ITEMS PERMITTED ONLY FOR MAINTENANCE PURPOSES

NATO STOCK NUMBER 2920-99-	SERVICE MANAGEMENT CODE OR DOMESTIC REFERENCE NUMBER			ITEM NAME	DESCRIPTION					MANUFACTURER'S REFERENCE NUMBER		
	NAVY	ARMY	AIR FORCE		TUBE SIZE	SCREEN SIZE	THREAD TYPE	HEAT RANGE	OTHER PARTICULARS	CHAMPION	ELG	LOGS
+ 803-5883	0569/19605	L76/M24/9373	-	PLATES, SPARKING	14 mm	Screened 0.692 in x 24 sq	1/2 in	Cold	Resistor 5000-10,000 ohms { No 1, MC 1 - IV 175978 No 1, MC 1 - IV 342501 IV 175957 FUSED Drawing Number	-	-	ES5/7
	0569/19616	L76/M24	162/14046 162/19002				1/2 in	Med		-	RF50	-
803-5811	-	L76/M24	162/21148				3/4 in	Cold		ES5-13P	-	SR1-4LPC
803-5381	-	L76/M24	162/13142				14 mm	Hot		-	-	-
803-6661	0569/19432	L76/M24	162/13725		18 mm		1/2 in	Med		-	ESL60	SR1
							3/4 in	Med		-		SR2

Notes Applicable to Tables:

1. When only a Service management code appears in the Navy column the full Navy number is the last seven digits of the NATO Stock Number prefixed by that code.
2. When only a Service management code appears in the Army Column the full Army number is the NATO Stock Number prefixed by that code.
3. When only a Service management code appears in the Air Force column the full Air Force number is the last seven digits of the NATO Stock Number prefixed by that code (the number is not hyphenated).
4. - - indicates that the Service concerned does not at present hold this item.
5. - indicates that the column heading does not apply.
6. + indicates that the NATO Stock Number has not been allotted but may be issued later.

TABLE III
ITEMS NO LONGER TO BE PROVIDED

SERVICE REFERENCE NUMBER			ITEM NAME	SERVICE REFERENCE NUMBER OF REPLACING ITEM		
NAVY	ARMY	AIR FORCE		NAVY	ARMY	AIR FORCE
0569/19431	LTV6/MRL/2920-99-803-6662	-	PLUGS, SPARKING	-	None	-
0569/19728	-	168/22414		None	-	None
0569/19727	-	-		None	-	-
-	LTV6/MRL/2920-99-803-6376	-		-	None	-
-	LTV6/MRL/2920-99-804-2740	168/22965		-	None	168/2920-99-942-6972
0569/19606	-	168/1260		0569/19612	None	168/19865
-	-	168/1261		-	-	None
-	LTV6/MRL/2920-99-942-2983	-		-	None	-
-	LTV6/MRL/2920-99-802-1046	-		-	None	-
-	LTV6/MRL/2920-99-802-1047	-		-	None	-
-	LTV6/MRL/29381	-	PLUGS, SPARKING	-	LTV6/MRL/2920-99-803-6381	-
-	LTV6/MRL/2920-99-942-2988	-		-	None	-
0569/19750	LTV6/MRL/2920-99-942-2987	-		0569/209782	LTV6/MRL/2920-99-804-1984	168/21118
0569/209784	-	168/22863		0569/209782	2920-99-804-1984	168/2920-99-804-1984
-	2920-99-200-6155	168/24465		-	LTV6/MRL/2920-99-942-2985	168/1257
-	LTV6/MRL/2920-99-803-5120	168/18982		-	LTV6/MRL/2920-99-942-2986	-
-	LTV6/MRL/2920-99-881-1086	-		-	LTV6/MRL/2920-99-803-5518	-
-	LTV6/MRL/87225	-		-	LTV6/MRL/2920-99-803-6661	-
-	LTV6/MRL/25979	168/21002		-	None	168/19002
-	LTV6/MRL/75105	-		-	LTV6/MRL/2920-99-942-6972	-
-	LTV6/MRL/2920-99-803-6993	-	PLUGS, SPARKING	-	LTV6/MRL/2920-99-942-6972	-
-	LTV6/MRL/2920-99-202-1193	-		-	LTV6/MRL/2920-99-942-6972	-
-	LTV6/MRL/2920-99-802-1194	-		-	LTV6/MRL/2920-99-942-6972	-
-	LTV6/MRL/2920-99-881-2236	-		-	LTV6/MRL/2920-99-942-2984	-
-	LTV6/MRL/2920-99-803-6046	-		-	None	-



N 2405 *AND ADDENDUM.*

Ministry of Defence
Ministry of Technology (Aviation Group)

Defence Standard *and ADDENDUM.*

29-2/ Issue 1/ 10th January 1969

**PLUGS, SPARKING
(NON-AIRCRAFT)**

List

AMENDMENT RECORD

AMENDMENT NUMBER	DATE	SIGNATURE

PLUGS, SPARKING (NON-AIRCRAFT)
(List)

This Defence Standard supersedes SSM(L) 4d - 7
Issue 3, dated 1st December 1964

1. This Standard specifies Plugs, Sparking to be used by the Navy, Army, and Air Force Departments of the Ministry of Defence, for all purposes other than aircraft use.
 2. Table I(A) lists the standard range from which Plugs, Sparking - Unscreened are to be selected for all future designs of IC engines and, wherever practicable, for maintenance of existing IC engines.
 3. Table I(B) lists the standard range from which Plugs, Sparking - Screened are to be selected for all future designs of IC engines and, wherever practicable, for maintenance of existing IC engines.
 4. Plugs, Sparking have been made the subject of International Agreements which are recorded in the following documents:

ABC-ARMY-STD-6B
NATO STANAG 2602
NATO STANAG 4006 PART I
- The substance of these Agreements is given in the Annex to this Standard.
5. This Defence Standard implements the terms of the above International Agreements insofar as it is UK intention to comply.
 6. This Defence Standard contains all necessary technical information and it is the definitive specification for these items. It must be invoked for all tender and contract purposes.
 7. This Defence Standard applies to all designs of IC engines (non-aircraft) incorporating Plugs, Sparking and to all contracts and orders for such Plugs, Sparking placed after its date of issue. Departments named in clause 1 are to take action to implement this Standard.
 8. This Standard has been agreed by all authorities concerned. If it should be found unsuitable for a particular requirement the Director of Standardization should be informed of the circumstances. Any enquiries regarding this Standard in relation to an invitation to tender or a contract in which it is invoked should be addressed to the Inspection Authority named in that invitation to tender or contract.

TABLE 1(A)
STANDARD RANGE
PLUGS, SPARKING - UNSCREENED

NATO STOCK NUMBER 2920-99-	SERVICE MANAGEMENT CODE OR DOMESTIC REFERENCE NUMBER			ITEM NAME	SPECIFICATION (LATEST ISSUE)	THREAD SIZE	THREAD REACH	HEAT RATING RANGES	MANUFACTURER'S REFERENCE OF EQUIVALENT PLUGS			
	NAVY	ARMY	AIR FORCE						CHAMPION	AC	FLG	LODGE
*942-2984	0569/19724	L76/M74	16E	PLUGS, SPARKING	BS 4.5	14 mm	Short (1/2 in)	Med, 125 to 200	L10	L5F	F50	CN
*942-2985	0569/19730	L76/M74	16E/1257					Cold, over 200	L7	L4F	F75	HN
*942-2986	0569/19608	L76/M74	16E	PLUGS, SPARKING	BS 4.5	14 mm	Long (3/4 in)	Med, 125 to 200	N8	L6XL	F50	CLH
*804-1984	0569/209782	L76/M74	16E					Cold, over 200	N5	L5XL	F70	HRIN

Notes Applicable to the Tables:

1. When only a Service management code appears in the Navy column the full Navy number is the last seven digits of the NATO Stock Number prefixed by that code.
2. When only a Service management code appears in the Army column the full Army number is the NATO Stock Number prefixed by that code.
3. When only a Service management code appears in the Air Force column the full Air Force number is the last seven digits of the NATO Stock Number prefixed by that code (the number is not hyphenated).
4. - - indicates that the Service concerned does not at present hold this item.
5. - indicates that the column heading does not apply.
6. + indicates that the NATO Stock Number has not been allotted but may be issued later.
7. *Internationally agreed item - see clause 4.
8. β The heat rating of Plugs, Sparking is equated to their pre-ignition tendencies, computed under controlled conditions in a specially prepared IC engine. The heat rating figures shown represent the highest ISEP in lbf/in² at which the plug will function continuously without pre-ignition. They are based on the 1951 SAE Standard: Pre-ignition rating of Plugs, Sparking of ground vehicles. The description MED or COLD is not necessarily that used by the plug makers.
9. The dimensions of tapped holes for Plugs, Sparking are to comply with BS 4.5.

TABLE I(B)

STANDARD RANGE

PLUGS, SPARKING - SCREENED

Until such time as the preferred plugs are freely available the non-preferred plugs may be used for new designs.

NATO STOCK NUMBER 2920-99-	SERVICE MANAGEMENT CODE OR DOMESTIC REFERENCE NUMBER			ITEM NAME	SPECIFICATION (LATEST ISSUE)	THREAD SIZE	THREAD REACH	SCREEN THREAD SIZE	HEAT RATING RANGE	MANUFACTURER'S REFERENCE OF EQUIVALENT PLUGS			PREFERRED/ NON-PREFERRED ITEMS
	NAVI	ARMY	AIR FORCE							CHAMPION	ELC	LODGE	
803-6570	0669/19725	LV6/MT4	--	PLUGS, SPARKING	-	14 mm	1/2 in	.692 x 24 tpi	Med 125 to 200	BSL10	BSL1	BSL14	Non-preferred item
+	--	--	--		BS 45			.625 x 24 tpi		-	-	-	Preferred item
803-6518	--	LV6/MT4	16E		-	14 mm	3/4 in	.692 x 24 tpi		BSN8	-	BSL14	Non-preferred item
+	--	--	--		BS 45			.625 x 24 tpi		-	-	-	Preferred item

ANNEX

SUBSTANCE OF AGREEMENTS

ABC-ARMY-STD-6B

DESIGN STANDARDIZATION OF SPARK PLUGS

24TH MAY 1961

The purpose of the Agreement is to control the design of screened, waterproof type sparking plugs used in spark ignition internal combustion engines for tactical vehicles to effect complete physical interchangeability and the maximum functional interchangeability.

NATO STANAG 2602

SPARKING PLUGS

8TH MAY 1956

The purpose of this Agreement is to standardize the dimensions and the heat ranges of the sparking plugs.

NATO STANAG 4006 PART 1

SHIELDED SPARKING PLUGS (For 5mm LEAD) FOR WHEELED TACTICAL VEHICLES

8TH MARCH 1965

The purpose of the Agreement is to adopt certain standard dimensions of screened sparking plugs for wheeled tactical vehicles. These standard dimensions apply also to other specialised equipment if radio suppression is required.

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