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Automotive parts—Screw plugs

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Descriptors : road vehicle components, closures, electric plugs

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D 2101 : 2001

Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS D 2101 : 1987** is replaced with **JIS D 2101 : 2001**.

In this revision, the actual conditions of use of screw plug to be used for automobiles manufactured in Japan were investigated and the results were employed for reference.

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In the event of any doubts arising as to the contents,
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Automotive parts—Screw plugs

1 Scope This Japanese Industrial Standard specifies screw plugs used in automobiles (hereafter referred to as “plugs”).

2 Normative references The following standards contain provisions which, through reference in this Standard, constitute provisions of this Standard. The most recent editions of the standard (including amendments) indicated below shall be applied.

JIS B 0203 *Taper pipe threads*

JIS B 0205 *Metric coarse screw threads*

JIS B 0207 *Metric fine screw threads*

JIS B 0209 *Limits of sizes and tolerances for metric coarse screw threads*

JIS B 0211 *Limits of sizes and tolerances for metric fine screw threads*

JIS B 0251 *Limits gauges for metric screw threads*

JIS B 0253 *Gauges for taper pipe threads*

JIS B 0601 *Surface roughness—Definitions and designation*

JIS B 0651 *Surface texture—Instruments for the assessment of surface texture—Profile method*

JIS B 0659 *Roughness comparison specimens*

JIS B 1006 *Thread run-outs and thread undercuts for external threaded fasteners*

JIS B 1021 *Tolerance system for threaded fasteners*

JIS B 1041 *Fasteners—Surface discontinuities—Part 1 : Bolts, screws and studs for general requirements*

JIS B 1071 *Method of verification for size and geometry of threaded fasteners*

JIS B 1091 *Fasteners—Acceptance inspection*

JIS D 0201 *Automobile parts—General rules of electroplating*

JIS G 3539 *Carbon steel wires for cold heading and cold forging*

JIS G 4051 *Carbon steel for machine structural use*

JIS H 3250 *Copper and copper alloy rods and bars*

JIS Z 2244 *Vickers hardness test—Test method*

JIS Z 2245 *Rockwell hardness test—Test method*

3 Definitions For the purpose of this Standard, the following definitions apply.

- a) **sealant** A generic term for sealant tape to wrap around the part screwed on for ensuring airtightness of the plug, and coating adhesive and lock agents, etc. applying for such purpose.
- b) **end pilot** A part provided on the end of external threads, formed cylindrically in the diameter slightly smaller than the inner diameter of the mating internal threads, for easier insertion to the mating.