

MONGOLIAN BASE FORMS, POSITIONAL FORMS, & VARIANT FORMS

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December 16, 2015 (greyson@postone.net)

TARGET AUDIENCE: Font developers

OBJECTIVE: Full specification of Mongolian/Todo/Sibe/Manchu/Aligali script base forms, positional forms, and variant forms. It should be noted that full specification of implementation logic is beyond the scope of this paper. It should be noted that the emphasis of this paper is stand-alone text rather than running text. However, all running text forms, aside from ligatures should be found here.

LEGEND

The first line of a given character section will always give the Unicode form. If the Unicode form matches the main isolate form, then there will be no line for the isolate and it will be understood that the first line of a section also gives the main isolate form. Given this situation along with there being another isolate, the second line will define the second isolate. Given the rare case where the Unicode presentation glyph is not the main stand-alone isolate, the first line will define the Unicode glyph as already stated, the second line will define the first/main isolate, the second line and following will define additional potential isolates.

\$ – Ligatures formed at this code-point appear in the initial-medial, initial-final, medial-medial, medial-final positions. These code-points should actually include an isolate loop to signify the initial/medial feminine forms which are found in the ligatures but never show up independently

* – Feminine ligatures formed using this consonantal isolate appear in the initial-medial, initial-final, medial-medial, medial-final positions

& – Variants used with the FVS only for reasons of stylistics, archaic anomalies as well as some few contemporary spelling anomalies, compound spellings, and foreign spellings

% – Unicode code-point forms are not specified as an isolate therefore the only way of viewing these glyphs is by positional simulation using ZWJ. FVS specification should be a future consideration for ease of usage in stand-alone environments.

There are 13 such cases.

(X₁X₂X₃X₄) – denotes script usage (X₁=Mongolian, X₂=Todo, X₃=Sibe, X₄=Manchu); positional glyphs which show no “X” at all are to be understood as undefined

Yellow highlighting denotes a difference from the Chinese Standard GB/T 26226-2010

Blue highlighting notes a need for refinement or just additional information

Purple highlighting indicates the proposal for a new FVS assignment

NOTE: There is an appendix to this paper which discusses the MVS model (DS00-MVS) as well as the NNBSF model (DS00-NNBSF). Assumptions inherent to these models will impact certain notations in this paper.

Punctuation

1800	(xx_)	?	MONGOLIAN BIRGA
11660	(xx_)	᠑	MONGOLIAN BIRGA WITH ORNAMENT
11664	(xx_)	᠑᠑	MONGOLIAN BIRGA WITH DOUBLE ORNAMENT
11662	(xx_)	᠑᠑᠑	MONGOLIAN DOUBLE BIRGA WITH ORNAMENT
11663	(xx_)	᠑᠑᠑᠑	MONGOLIAN TRIPLE BIRGA WITH ORNAMENT
11661	(xx_)	᠑᠑	MONGOLIAN ROTATED BIRGA
11665	(xx_)	᠑᠑᠑	MONGOLIAN ROTATED BIRGA WITH ORNAMENT
11666	(xx_)	᠑᠑᠑᠑	MONGOLIAN ROTATED BIRGA WITH DOUBLE ORNAMENT
11667	(xx_)	᠑᠑	MONGOLIAN INVERTED BIRGA
11668	(xx_)	᠑᠑᠑	MONGOLIAN INVERTED BIRGA WITH DOUBLE ORNAMENT
11669	(xx_)	᠑᠑᠑	MONGOLIAN SWIRL BIRGA
1166A	(xx_)	᠑᠑᠑᠑	MONGOLIAN SWIRL BIRGA WITH ORNAMENT
1166B	(xx_)	᠑᠑᠑᠑᠑	MONGOLIAN SWIRL BIRGA WITH DOUBLE ORNAMENT
1166C	(xx_)	᠑᠑᠑᠑᠑᠑	MONGOLIAN TURNED SWIRL BIRGA WITH DOUBLE ORNAMENT
1801	(xxxx)	᠑᠑᠑᠑	MONGOLIAN ELLIPSIS
1802	(xx_)	᠑	MONGOLIAN COMMA
1803	(xx_)	᠑᠑	MONGOLIAN FULL STOP
1804	(xxxx)	᠑	MONGOLIAN COLON
1805	(xx_)	᠑᠑᠑᠑	MONGOLIAN FOUR DOTS
1806	(_x_)	-	MONGOLIAN TODO SOFT HYPHEN

1808	(__x)	᠑	MONGOLIAN MANCHU COMMA
1809	(__x)	᠑᠑	MONGOLIAN MANCHU FULL STOP

Marks

1885	(xx_x)	᠑᠑᠑	MONGOLIAN LETTER ALI GALI BALUDA (this is not a letter – it is a diacritic mark; should have the perforated circle added here)
1886	(xx_x)	᠑᠑᠑᠑	MONGOLIAN LETTER ALI GALI THREE BALUDA (this is not a letter – it is a diacritic mark; should have the perforated circle added here)
18A9	(x_)	᠑᠑᠑᠑	MONGOLIAN LETTER ALI GALI DAGALGA (this is not a letter – it is a diacritic mark)

Control Characters

180B	(xxxx)	᠑᠑᠑᠑	MONGOLIAN FREE VARIATION SELECTOR ONE
180C	(xxxx)	᠑᠑᠑᠑	MONGOLIAN FREE VARIATION SELECTOR TWO
180D	(xxxx)	᠑᠑᠑᠑	MONGOLIAN FREE VARIATION SELECTOR THREE
180E	(x_)	᠑᠑᠑᠑	MONGOLIAN VOWEL SEPARATOR
180F	<reserved>		

NOTE: A Mongolian vertical font should also include the control characters NNBSF (202F), ZWJ (200D) and ZNWJ (200C)

Numbers

(rotated 90 degrees clockwise in vertical display)

1810	(xx_)	0	MONGOLIAN DIGIT ZERO
1811	(xx_)	᠑	MONGOLIAN DIGIT ONE
1812	(xx_)	᠒	MONGOLIAN DIGIT TWO
1813	(xx_)	᠓	MONGOLIAN DIGIT THREE
1814	(xx_)	᠔	MONGOLIAN DIGIT FOUR
1815	(xx_)	᠕	MONGOLIAN DIGIT FIVE
1816	(xx_)	᠖	MONGOLIAN DIGIT SIX
1817	(xx_)	᠗	MONGOLIAN DIGIT SEVEN
1818	(xx_)	᠘	MONGOLIAN DIGIT EIGHT
1819	(xx_)	᠙	MONGOLIAN DIGIT NINE

NOTE: These digits should also be rotate-able 270 degrees clockwise from current display (either by the font or by upper-level layout)

NOTE: A Mongolian vertical font should also have Latin digits which will rotate 270 degrees clockwise from current display also (either by the font or by upper-level layout)

181A	<reserved>
181B	<reserved>
181C	<reserved>
181D	<reserved>
181E	<reserved>
181F	<reserved>

Mongolian Letters

1807	(_x_)	᠎	MONGOLIAN SIBE SYLLABLE BOUNDARY MARKER
1807+ZWJ	(_)	᠎	Initial Form
ZWJ+1807+ZWJ	(_x_)	᠎	Medial Form
ZWJ+1807	(_)	᠎	Final Form

180A	(xxxx)	-	MONGOLIAN NIRUGU
180A+ZWJ	(xxxx)	-	Initial Form
ZWJ+180A+ZWJ	(xxxx)	-	Medial Form
ZWJ+180A	(xxxx)	᠎	First Final Form
ZWJ+180A+FVS1	(xxxx)	-	Second Final Form

1820	(xxxx)	᠋	MONGOLIAN LETTER A
1820+FVS1	(xx_)	᠋	Second Isolate Form
1820+ZWJ	(xxxx)	᠋	First Initial Form
ZWJ+1820+ZWJ	(xxxx)	᠋	First Medial Form
ZWJ+1820+FVS1+ZWJ	(xx_)	᠋	Second Medial Form [Ⓢ]
ZWJ+1820+FVS2+ZWJ	(xx_)	᠋	Third Medial Form
			<small>(only implemented with NNBSPP - actually processed as initial in ACA suffix)</small>
ZWJ+1820	(xxxx)	᠋	First Final Form
ZWJ+1820+FVS1	(xx_)	᠋	Second Final Form
			<small>(only implemented with MVS/NNBSPP)</small>

1821	(x_)	᠋	MONGOLIAN LETTER E
1821+ZWJ	(x_)	᠋	First Initial Form
1821+FVS1+ZWJ	(x_)	᠋	Second Initial Form [Ⓢ]
ZWJ+1821+ZWJ	(x_)	᠋	Medial Form
ZWJ+1821	(x_)	᠋	First Final Form
ZWJ+1821+FVS1	(x_)	᠋	Second Final Form
			<small>(only implemented with MVS/NNBSPP)</small>

1822	(x_)	᠋	MONGOLIAN LETTER I
1822+ZWJ	(x_)	᠋	Initial Form
ZWJ+1822+ZWJ	(x_)	᠋	First Medial Form
			<small>(also implemented with NNBSPP - actually processed as initial with instrumental suffix)</small>
ZWJ+1822+FVS1+ZWJ	(x_)	᠋	Second Medial Form [Ⓢ]
ZWJ+1822+FVS2+ZWJ	(x_)	᠋	Third Medial Form
			<small>(needed to over-ride default context (NAI+FVS2+MA))</small>
ZWJ+1822+FVS3+ZWJ	(x_)	᠋	Fourth Medial Form
			<small>(context-driven)</small>
ZWJ+1822	(x_)	᠋	First Final Form
			<small>(also implemented with NNBSPP - actually processed as isolate in accusative suffix)</small>
ZWJ+1822+FVS1	(x_)	᠋	Second Final Form

1823	(x_xx)	᠋	MONGOLIAN LETTER O
1823+ZWJ	(x_xx)	᠋	Initial Form
ZWJ+1823+ZWJ	(x_xx)	᠋	First Medial Form
ZWJ+1823+FVS1+ZWJ	(x_)	᠋	Second Medial Form [Ⓢ]
ZWJ+1823	(x_xx)	᠋	First Final Form
ZWJ+1823+FVS1	(x_xx)	᠋	Second Final Form [Ⓢ]

1824	(x_)	᠋	MONGOLIAN LETTER U
1824	(x_)	᠋	First Isolate Form
1824+FVS1	(x_)	᠋	Second Isolate Form
1824+ZWJ	(x_)	᠋	Initial Form
ZWJ+1824+ZWJ	(x_)	᠋	First Medial Form
			<small>(also implemented with NNBSPP - actually processed as initial in genitive suffix)</small>
ZWJ+1824+FVS1+ZWJ	(x_)	᠋	Second Medial Form [Ⓢ]
ZWJ+1824	(x_)	᠋	First Final Form
			<small>(also implemented with NNBSPP - actually processed as isolate in genitive suffix)</small>
ZWJ+1824+FVS1	(x_)	᠋	Second Final Form [Ⓢ]
			<small>(expected to be in new 2016 Chinese Standard)</small>
ZWJ+1824+FVS3	(x_)	᠋	Third Final Form
			<small>(dotted - only implemented with NNBSPP - actually processed as isolate in genitive suffix (expected to be in new 2016 Chinese Standard))</small>

1825	(x_)	᠋	MONGOLIAN LETTER OE
1825+ZWJ	(x_)	᠋	Initial Form
ZWJ+1825+ZWJ	(x_)	᠋	First Medial Form
ZWJ+1825+FVS1+ZWJ	(x_)	᠋	Second Medial Form
			<small>(context-driven)</small>
ZWJ+1825+FVS2+ZWJ	(x_)	᠋	Third Medial Form [Ⓢ]
ZWJ+1825	(x_)	᠋	First Final Form
ZWJ+1825+FVS1	(x_)	᠋	Second Final Form [Ⓢ]

1826	(x_)	᠋	MONGOLIAN LETTER UE
1826	(x_)	᠋	First Isolate Form
1826+FVS1	(x_)	᠋	Second Isolate Form
1826+FVS2	(x_)	᠋	Third Isolate Form
1826+ZWJ	(x_)	᠋	Initial Form
ZWJ+1826+ZWJ	(x_)	᠋	First Medial Form

ZWJ+1831+ZWJ	ᠮ (xx_)	Medial Form	ZWJ+1838+FVS1	ᠮ (x_)	Second Final Form ^{&}
ZWJ+1831	ᠮ (xx_)	Final Form	1839 (x_) ᠮ		MONGOLIAN LETTER FA ^S
1832 (x_) ᠮ		MONGOLIAN LETTER TA	1839+ZWJ	ᠮ (x_)	Initial Form
1832+ZWJ	ᠮ (x_)	Initial Form	ZWJ+1839+ZWJ	ᠮ (x_)	Medial Form
ZWJ+1832+ZWJ	ᠮ (x_)	First Medial Form	ZWJ+1839	ᠮ (x_)	Final Form
ZWJ+1832+FVS1+ZWJ	ᠮ (x_)	Second Medial Form ^{&}	183A (xxxx) ᠮ		MONGOLIAN LETTER KA ^S
ZWJ+1832	ᠮ (x_)	Final Form	183A+ZWJ	ᠮ (xxxx)	Initial Form
1833 (x_) ᠮ		MONGOLIAN LETTER DA	ZWJ+183A+ZWJ	ᠮ (xxxx)	Medial Form
1833+ZWJ	ᠮ (x_)	First Initial Form	ZWJ+183A	ᠮ (x_)	Final Form
1833+FVS1+ZWJ	ᠮ (x_)	Second Initial Form	183B (xx_) ᠮ		MONGOLIAN LETTER KHA ^S
ZWJ+1833+ZWJ	ᠮ (x_)	First Medial Form	183B+ZWJ	ᠮ (xx_)	Initial Form
ZWJ+1833+FVS1+ZWJ	ᠮ (x_)	Second Medial Form	ZWJ+183B+ZWJ	ᠮ (xx_)	Medial Form
ZWJ+1833	ᠮ (x_)	First Final Form	ZWJ+183B	ᠮ (xx_)	Final Form
ZWJ+1833+FVS1	ᠮ (x_)	Second Final Form ^{&}	183C (x_) ᠮ		MONGOLIAN LETTER TSA
1834 (xxxx) ᠮ		MONGOLIAN LETTER CHA	183C+ZWJ	ᠮ (x_)	Initial Form
1834+ZWJ	ᠮ (xxxx)	Initial Form	ZWJ+183C+ZWJ	ᠮ (x_)	Medial Form
ZWJ+1834+ZWJ	ᠮ (xxxx)	Medial Form	ZWJ+183C	ᠮ (x_)	Final Form
ZWJ+1834	ᠮ (x_)	Final Form	183D (x_) ᠮ		MONGOLIAN LETTER ZA
1835 (x_x) ᠮ		MONGOLIAN LETTER JA	183D+ZWJ	ᠮ (x_)	Initial Form
1835+ZWJ	ᠮ (x_x)	Initial Form	ZWJ+183D+ZWJ	ᠮ (x_)	Medial Form
ZWJ+1835+ZWJ	ᠮ (x_x)	First Medial Form	ZWJ+183D	ᠮ (x_)	Final Form
ZWJ+1835+FVS1+ZWJ	ᠮ (x_)	Second Medial Form	183E (x_) ᠮ		MONGOLIAN LETTER HAA
ZWJ+1835	ᠮ (x_)	First Final Form	183E+ZWJ	ᠮ (x_)	Initial Form
1836 (x_xx) ᠮ		MONGOLIAN LETTER YA	ZWJ+183E+ZWJ	ᠮ (x_)	Medial Form
1836+ZWJ	ᠮ (x_xx)	First Initial Form	ZWJ+183E	ᠮ (x_)	Final Form
1836+FVS1+ZWJ	ᠮ (x_)	Second Initial Form	183F (x_) ᠮ		MONGOLIAN LETTER ZRA
ZWJ+1836+ZWJ	ᠮ (x_xx)	First Medial Form	183F+ZWJ	ᠮ (x_)	Initial Form
ZWJ+1836+FVS1+ZWJ	ᠮ (x_)	Second Medial Form	ZWJ+183F+ZWJ	ᠮ (x_)	Medial Form
ZWJ+1836+FVS2+ZWJ	ᠮ (x_)	Third Medial Form	ZWJ+183F	ᠮ (x_)	Final Form
ZWJ+1836	ᠮ (x_)	Final Form	1840 (xx_) ᠮ		MONGOLIAN LETTER LHA
1837 (xxx_) ᠮ		MONGOLIAN LETTER RA	1840+ZWJ	ᠮ (xx_)	Initial Form
1837+ZWJ	ᠮ (xxx_)	Initial Form	ZWJ+1840+ZWJ	ᠮ (xx_)	Medial Form
ZWJ+1837+ZWJ	ᠮ (xxx_)	Medial Form	ZWJ+1840	ᠮ (x_)	Final Form
ZWJ+1837	ᠮ (xxx_)	Final Form	1841 (x_) ᠮ		MONGOLIAN LETTER ZHI
1838 (xxxx) ᠮ		MONGOLIAN LETTER WA	1841+ZWJ	ᠮ (x_)	Initial Form
1838+ZWJ	ᠮ (xxxx)	Initial Form	ZWJ+1841+ZWJ	ᠮ (x_)	Medial Form
ZWJ+1838+ZWJ	ᠮ (xxxx)	First Medial Form	ZWJ+1841	ᠮ (x_)	Final Form
ZWJ+1838+FVS1+ZWJ	ᠮ (x_)	Second Medial Form	1842 (x_) ᠮ		MONGOLIAN LETTER CHI
ZWJ+1838	ᠮ (x_)	First Final Form	1842+ZWJ	ᠮ (x_)	Initial Form
			ZWJ+1842+ZWJ	ᠮ (x_)	Medial Form
			ZWJ+1842	ᠮ (x_)	Final Form

Todo Letters

1843	(x_)	ᠯ	MONGOLIAN LETTER TODO LONG VOWEL SIGN
1843+ZWJ		ᠯ (x_)	<i>Initial Form</i> <small>(context-driven)</small>
ZWJ+1843+ZWJ		ᠯ (x_)	<i>Medial Form</i> <small>(context-driven)</small>
ZWJ+1843		ᠯ (x_)	<i>First Final Form</i> <small>(context-driven)</small>
ZWJ+1843+FVS1		ᠯ (x_)	<i>Second Final Form</i>
1844	(x_)	ᠮ	MONGOLIAN LETTER TODO E
1844+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1844+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+1844+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i> [Ⓢ]
ZWJ+1844		ᠮ (x_)	<i>Final Form</i>
1845	(x_)	ᠮ	MONGOLIAN LETTER TODO I
1845+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1845+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+1845+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i> <small>(context-driven)</small>
ZWJ+1845		ᠮ (x_)	<i>Final Form</i>
1846	(x_)	ᠮ	MONGOLIAN LETTER TODO O
1846+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1846+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+1846+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i> [Ⓢ]
ZWJ+1846		ᠮ (x_)	<i>Final Form</i>
1847	(x_)	ᠮ	MONGOLIAN LETTER TODO U
1847+FVS1		ᠮ (x_)	<i>Second Isolate Form</i>
1847+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1847+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+1847+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i> [Ⓢ]
ZWJ+1847+FVS2+ZWJ		ᠮ (x_)	<i>Third Medial Form</i> <small>(context-driven)</small>
ZWJ+1847		ᠮ (x_)	<i>First Final Form</i>
ZWJ+1847+FVS1		ᠮ (x_)	<i>Second Final Form</i> <small>(context-driven)</small>
1848	(x_)	ᠮ	MONGOLIAN LETTER TODO OE
1848+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1848+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+1848+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i> [Ⓢ]
ZWJ+1848		ᠮ (x_)	<i>Final Form</i>
1849	(x_)	ᠮ	MONGOLIAN LETTER TODO UE
1849+FVS1		ᠮ (x_)	<i>Second Isolate Form</i>
1849+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1849+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+1849+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i> [Ⓢ]

ZWJ+1849		ᠮ (x_)	<i>Final Form</i>
184A	(x_)	ᠮ	MONGOLIAN LETTER TODO ANG [Ⓢ]
184A		ᠮ (x_)	<i>Isolate Form</i>
184A+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+184A+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+184A		ᠮ (x_)	<i>Final Form</i>
184B	(x_)	ᠮ	MONGOLIAN LETTER TODO BA [Ⓢ]
184B		ᠮ (x_)	<i>Isolate Form</i>
184B+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+184B+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+184B		ᠮ (x_)	<i>Final Form</i>
184C	(x_)	ᠮ	MONGOLIAN LETTER TODO PA [Ⓢ]
184C+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+184C+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+184C		ᠮ (x_)	<i>Final Form</i>
184D	(x_)	ᠮ	MONGOLIAN LETTER TODO QA
184D+FVS1		ᠮ (x_)	<i>Second Isolate Form</i> [Ⓢ]
184D+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+184D+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+184D		ᠮ (x_)	<i>Final Form</i>
184E	(x_)	ᠮ	MONGOLIAN LETTER TODO GA
184E+FVS1		ᠮ (x_)	<i>Second Isolate Form</i> [Ⓢ]
184E+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+184E+ZWJ		ᠮ (x_)	<i>First Medial Form</i>
ZWJ+184E+FVS1+ZWJ		ᠮ (x_)	<i>Second Medial Form</i> <small>(context-driven)</small>
ZWJ+184E		ᠮ (x_)	<i>Final Form</i>
184F	(x_)	ᠮ	MONGOLIAN LETTER TODO MA [Ⓢ]
184F		ᠮ (x_)	<i>Isolate Form</i>
184F+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+184F+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+184F		ᠮ (x_)	<i>Final Form</i>
1850	(x_)	ᠮ	MONGOLIAN LETTER TODO TA
1850+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1850+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+1850		ᠮ (x_)	<i>Final Form</i>
1851	(x_)	ᠮ	MONGOLIAN LETTER TODO DA
1851+ZWJ		ᠮ (x_)	<i>Initial Form</i>
ZWJ+1851+ZWJ		ᠮ (x_)	<i>Medial Form</i>
ZWJ+1851		ᠮ (x_)	<i>Final Form</i>
1852	(x_)	ᠮ	MONGOLIAN LETTER TODO CHA
1852+ZWJ		ᠮ (x_)	<i>Initial Form</i>

ZWJ+1852+ZWJ	ᠠ (x_)	Medial Form
ZWJ+1852	ᠡ (x_)	Final Form
1853 (xx_)	ᠢ	MONGOLIAN LETTER TODO JA
1853+ZWJ	ᠣ (xx_)	Initial Form
ZWJ+1853+ZWJ	ᠣ (xx_)	Medial Form
ZWJ+1853	ᠣ (x_)	Final Form
1854 (x_)	ᠣ	MONGOLIAN LETTER TODO TSA
1854+ZWJ	ᠣ (x_)	Initial Form
ZWJ+1854+ZWJ	ᠣ (x_)	Medial Form
ZWJ+1854	ᠣ (x_)	Final Form
1855	ᠣ	MONGOLIAN LETTER TODO YA
1855+ZWJ	ᠣ (x_)	Initial Form
ZWJ+1855+ZWJ	ᠣ (x_)	Medial Form
ZWJ+1855	ᠣ ()	Final Form
1856 (x_)	ᠣ	MONGOLIAN LETTER TODO WA
1856+ZWJ	ᠣ (x_)	Initial Form
ZWJ+1856+ZWJ	ᠣ (x_)	Medial Form
ZWJ+1856	ᠣ ()	Final Form
1857 (x_)	ᠣ	MONGOLIAN LETTER TODO KA ^s
1857+ZWJ	ᠣ (x_)	Initial Form
ZWJ+1857+ZWJ	ᠣ (x_)	Medial Form
ZWJ+1857	ᠣ (x_)	Final Form
1858 (xx_)	ᠣ	MONGOLIAN LETTER TODO GAA ^s
1858+ZWJ	ᠣ (xx_)	Initial Form
ZWJ+1858+ZWJ	ᠣ (xx_)	Medial Form
ZWJ+1858	ᠣ ()	Final Form
1859 (x_)	ᠣ	MONGOLIAN LETTER TODO HAA [%]
1859	ᠣ ()	Isolate Form
1859+ZWJ	ᠣ (x_)	Initial Form
ZWJ+1859+ZWJ	ᠣ (x_)	Medial Form
ZWJ+1859	ᠣ (x_)	Final Form
185A (x_)	ᠣ	MONGOLIAN LETTER TODO JIA
185A+ZWJ	ᠣ (x_)	Initial Form
ZWJ+185A+ZWJ	ᠣ ()	Medial Form
ZWJ+185A	ᠣ ()	Final Form
185B (xx_)	ᠣ	MONGOLIAN LETTER TODO NIA
185B+ZWJ	ᠣ (x_)	Initial Form
ZWJ+185B+ZWJ	ᠣ ()	Medial Form
ZWJ+185B	ᠣ ()	Final Form
185C (xx_)	ᠣ	MONGOLIAN LETTER TODO DZA
185C+ZWJ	ᠣ (xx_)	Initial Form

ZWJ+185C+ZWJ	ᠣ (xx_)	Medial Form
ZWJ+185C	ᠣ (x_)	Final Form

Sibe Letters

185D (xx_)	ᠣ	MONGOLIAN LETTER SIBE E [%]
185D	ᠣ (x_)	Isolate Form
185D+ZWJ	ᠣ (xx_)	Initial Form
ZWJ+185D+ZWJ	ᠣ (xx_)	First Medial Form
ZWJ+185D+FVS1+ZWJ	ᠣ (xx_)	Second Medial Form <small>(context-driven)</small>
ZWJ+185D	ᠣ (xx_)	First Final Form
ZWJ+185D+FVS1	ᠣ (xx_)	Second Final Form <small>(context-driven)</small>
185E (x_)	ᠣ	MONGOLIAN LETTER SIBE I [%]
185E	ᠣ (x_)	Isolate Form
185E+ZWJ	ᠣ (x_)	Initial Form
ZWJ+185E+ZWJ	ᠣ (x_)	First Medial Form
ZWJ+185E+FVS1+ZWJ	ᠣ (x_)	Second Medial Form <small>(context-driven)</small>
ZWJ+185E+FVS2+ZWJ	ᠣ (x_)	Third Medial Form <small>(context-driven)</small>
ZWJ+185E	ᠣ (x_)	First Final Form <small>(also implemented with NNBSF - actually processed as isolate in accusative suffix)</small>
ZWJ+185E+FVS1	ᠣ (x_)	Second Final Form <small>(context-driven)</small>
ZWJ+185E+FVS2	ᠣ (x_)	Third Final Form
185F (xx_)	ᠣ	MONGOLIAN LETTER SIBE IY
185F+ZWJ	ᠣ ()	Initial Form
ZWJ+185F+ZWJ	ᠣ (xx_)	Medial Form
ZWJ+185F	ᠣ (xx_)	Final Form
1860 (xx_)	ᠣ	MONGOLIAN LETTER SIBE UE
1860+ZWJ	ᠣ (xx_)	Initial Form
ZWJ+1860+ZWJ	ᠣ (xx_)	First Medial Form
ZWJ+1860+FVS1+ZWJ	ᠣ (xx_)	Second Medial Form <small>(context-driven)</small>
ZWJ+1860	ᠣ (xx_)	First Final Form
ZWJ+1860+FVS1	ᠣ (xx_)	Second Final Form <small>(context-driven)</small>
ZWJ+1860+FVS2	ᠣ (xx_)	Third Final Form <small>(context-driven)</small>
1861 (xx_)	ᠣ	MONGOLIAN LETTER SIBE U [%]
1861	ᠣ (x_)	Isolate Form
1861+ZWJ	ᠣ (x_)	Initial Form
ZWJ+1861+ZWJ	ᠣ (xx_)	Medial Form
ZWJ+1861	ᠣ (xx_)	Final Form
1862 (x_)	ᠣ	MONGOLIAN LETTER SIBE ANG [%]
1862	ᠣ ()	Isolate Form
1862+ZWJ	ᠣ ()	Initial Form

ZWJ+1862+ZWJ	᠋ (x)	<i>Medial Form</i>
ZWJ+1862	᠋ (x)	<i>Final Form</i>
1863 (x)	᠋	MONGOLIAN LETTER SIBE KA ^o
1863	᠋ (x)	<i>First Isolate Form</i>
1863+FVS1	᠋ (x)	<i>Second Isolate Form*</i>
1863+ZWJ	᠋ (x)	<i>Initial Form</i>
ZWJ+1863+ZWJ	᠋ (x)	<i>First Medial Form</i>
ZWJ+1863+FVS1+ZWJ	᠋ (x)	<i>Second Medial Form</i>
ZWJ+1863	᠋ (x)	<i>Final Form</i>
1864 (xx)	᠋	MONGOLIAN LETTER SIBE GA
1864+FVS1	᠋ (xx)	<i>Second Isolate Form*</i>
1864+ZWJ	᠋ (xx)	<i>Initial Form</i>
ZWJ+1864+ZWJ	᠋ (xx)	<i>Medial Form</i>
ZWJ+1864	᠋ ()	<i>Final Form</i>
1865 (xx)	᠋	MONGOLIAN LETTER SIBE HA
1865+FVS1	᠋ (xx)	<i>Second Isolate Form*</i>
1865+ZWJ	᠋ (xx)	<i>Initial Form</i>
ZWJ+1865+ZWJ	᠋ (xx)	<i>Medial Form</i>
ZWJ+1865	᠋ ()	<i>Final Form</i>
1866 (xx)	᠋	MONGOLIAN LETTER SIBE PA ^s
1866+ZWJ	᠋ (xx)	<i>Initial Form</i>
ZWJ+1866+ZWJ	᠋ (xx)	<i>Medial Form</i>
ZWJ+1866	᠋ ()	<i>Final Form</i>
1867 (xx)	᠋	MONGOLIAN LETTER SIBE SHA
1867+ZWJ	᠋ (xx)	<i>Initial Form</i>
ZWJ+1867+ZWJ	᠋ (xx)	<i>Medial Form</i>
ZWJ+1867	᠋ (x)	<i>Final Form</i>
1868 (xx)	᠋	MONGOLIAN LETTER SIBE TA
1868+ZWJ	᠋ (xx)	<i>First Initial Form</i>
1868+FVS1+ZWJ	᠋ (xx)	<i>Second Initial Form</i>
ZWJ+1868+ZWJ	᠋ (xx)	<i>First Medial Form</i>
ZWJ+1868+FVS1+ZWJ	᠋ (xx)	<i>Second Medial Form</i>
ZWJ+1868+FVS2+ZWJ	᠋ (xx)	<i>Third Medial Form</i>
ZWJ+1868	᠋ (xx)	<i>Final Form</i>
1869 (xx)	᠋	MONGOLIAN LETTER SIBE DA
1869+ZWJ	᠋ (xx)	<i>First Initial Form</i>
1869+FVS1+ZWJ	᠋ (xx)	<i>Second Initial Form</i>
ZWJ+1869+ZWJ	᠋ (xx)	<i>First Medial Form</i>
ZWJ+1869+FVS1+ZWJ	᠋ (xx)	<i>Second Medial Form</i>
ZWJ+1869	᠋ ()	<i>Final Form</i>

186A (x)	᠋	MONGOLIAN LETTER SIBE JA
186A+ZWJ	᠋ (x)	<i>Initial Form</i>
ZWJ+186A+ZWJ	᠋ (x)	<i>Medial Form</i>
ZWJ+186A	᠋ ()	<i>Final Form</i>
186B (x)	᠋	MONGOLIAN LETTER SIBE FA
186B+ZWJ	᠋ (x)	<i>Initial Form</i>
ZWJ+186B+ZWJ	᠋ (x)	<i>Medial Form</i>
ZWJ+186B	᠋ ()	<i>Final Form</i>
186C (x)	᠋	MONGOLIAN LETTER SIBE GAA ^s
186C+ZWJ	᠋ (x)	<i>Initial Form</i>
ZWJ+186C+ZWJ	᠋ (x)	<i>Medial Form</i>
ZWJ+186C	᠋ ()	<i>Final Form</i>
186D (x)	᠋	MONGOLIAN LETTER SIBE HAA ^s
186D+ZWJ	᠋ (x)	<i>Initial Form</i>
ZWJ+186D+ZWJ	᠋ (x)	<i>Medial Form</i>
ZWJ+186D	᠋ ()	<i>Final Form</i>
186E (xx)	᠋	MONGOLIAN LETTER SIBE TSA
186E+ZWJ	᠋ (xx)	<i>Initial Form</i>
ZWJ+186E+ZWJ	᠋ (xx)	<i>Medial Form</i>
ZWJ+186E	᠋ (xx)	<i>Final Form</i>
186F (xx)	᠋	MONGOLIAN LETTER SIBE ZA
186F+ZWJ	᠋ (xx)	<i>First Initial Form</i>
186F+FVS1+ZWJ	᠋ (xx)	<i>Second Initial Form</i>
ZWJ+186F+ZWJ	᠋ (xx)	<i>First Medial Form</i>
ZWJ+186F+FVS1+ZWJ	᠋ (xx)	<i>Second Medial Form</i>
ZWJ+186F	᠋ (xx)	<i>Final Form</i>
1870 (xx)	᠋	MONGOLIAN LETTER SIBE RAA
1870+ZWJ	᠋ (xx)	<i>Initial Form</i>
ZWJ+1870+ZWJ	᠋ (xx)	<i>Medial Form</i>
ZWJ+1870	᠋ (xx)	<i>Final Form</i>
1871 (xx)	᠋	MONGOLIAN LETTER SIBE CHA
1871+ZWJ	᠋ (xx)	<i>Initial Form</i>
ZWJ+1871+ZWJ	᠋ (xx)	<i>Medial Form</i>
ZWJ+1871	᠋ ()	<i>Final Form</i>
1872 (x)	᠋	MONGOLIAN LETTER SIBE ZHA
1872+ZWJ	᠋ (x)	<i>Initial Form</i>
ZWJ+1872+ZWJ	᠋ (x)	<i>Medial Form</i>
ZWJ+1872	᠋ ()	<i>Final Form</i>

1873 (_x) 𐎢 MONGOLIAN LETTER MANCHU I[%]

1873	𐎢 (_x)	<i>Isolate Form</i>
1873+ZWJ	𐎣 (_x)	<i>Initial Form</i>
ZWJ+1873+ZWJ	𐎤 (_x)	<i>First Medial Form</i>
ZWJ+1873+FVS1+ZWJ	𐎥 (_x)	<i>Second Medial Form</i> <small>(context-driven)</small>
ZWJ+1873+FVS2+ZWJ	𐎦 (_x)	<i>Third Medial Form</i>
ZWJ+1873+FVS3+ZWJ	𐎧 (_x)	<i>Fourth Medial Form</i>
ZWJ+1873	𐎨 (_x)	<i>First Final Form</i> <small>(also implemented with NNBSF actually processed as isolate in accusative suffix)</small>
ZWJ+1873+FVS1	𐎩 (_x)	<i>Second Final Form</i>
ZWJ+1873+FVS2	𐎪 (_x)	<i>Third Final Form</i>
ZWJ+1873+FVS3	𐎫 (_x)	<i>Fourth Final Form</i> <small>(context-driven)</small>

1874 (_x) 𐎣 MONGOLIAN LETTER MANCHU KA[%]

1874+FVS1	𐎣 (_x)	<i>First Isolate Form</i>
1874+ZWJ	𐎤 (_x)	<i>Initial Form</i>
ZWJ+1874+ZWJ	𐎥 (_x)	<i>First Medial Form</i>
ZWJ+1874+FVS1+ZWJ	𐎦 (_x)	<i>Second Medial Form</i> <small>(context-driven)</small>
ZWJ+1874+FVS2+ZWJ	𐎧 (_x)	<i>Third Medial Form</i> <small>(context-driven)</small>
ZWJ+1874+FVS3+ZWJ	𐎨 (_x)	<i>Fourth Medial Form</i>
ZWJ+1874	𐎩 (_x)	<i>First Final Form</i>
ZWJ+1874+FVS1	𐎪 (_x)	<i>Second Final Form</i> <small>(context-driven)</small>
ZWJ+1874+FVS2	𐎫 (_x)	<i>Third Final Form</i>

1875 (_x) 𐎤 MONGOLIAN LETTER MANCHU RA[%]

1875	𐎤 (_)	<i>Isolate Form</i>
1875+ZWJ	𐎥 (_x)	<i>Initial Form</i>
ZWJ+1875+ZWJ	𐎦 (_x)	<i>Medial Form</i>
ZWJ+1875	𐎧 (_x)	<i>Final Form</i>

1876 (_x) 𐎥 MONGOLIAN LETTER MANCHU FA[%]

1876	𐎥 (_)	<i>Isolate Form</i>
1876+ZWJ	𐎦 (_x)	<i>First Initial Form</i>
1876+FVS1+ZWJ	𐎧 (_x)	<i>Second Initial Form</i> <small>(context-driven)</small>
ZWJ+1876+ZWJ	𐎨 (_x)	<i>First Medial Form</i>
ZWJ+1876+FVS1+ZWJ	𐎩 (_x)	<i>Second Medial Form</i> <small>(context-driven)</small>
ZWJ+1876	𐎪 (_)	<i>Final Form</i>

1877 (_x) 𐎦 MONGOLIAN LETTER MANCHU ZHA

1877+ZWJ	𐎦 (_x)	<i>Initial Form</i>
ZWJ+1877+ZWJ	𐎧 (_x)	<i>Medial Form</i>
ZWJ+1877	𐎨 (_)	<i>Final Form</i>

1878 <reserved>
1879 <reserved>

187A <reserved>
187B <reserved>
187C <reserved>
187D <reserved>
187E <reserved>
187F <reserved>

Ali Gali Letters

1880 (xx_x) ᠋ᠣ MONGOLIAN LETTER ALI GALI ANUSVARA
1880+FVS1 ᠋ᠣ (xx_x) *Second Form*

1881 (xx_x) ᠋ᠨ MONGOLIAN LETTER ALI GALI VISARGA ONE
1881+FVS1 ᠋ᠨ (xx_x) *Second Form*

1882 (xx_x) ᠋ᠮ MONGOLIAN LETTER ALI GALI DAMARU

1883 (xx_x) ᠋ᠰ MONGOLIAN LETTER ALI GALI UBADAMA

1884 (xx_x) ᠋ᠷ MONGOLIAN LETTER ALI GALI INVERTED UBADAMA

1887 (xx_x) ᠋ᠠ MONGOLIAN LETTER ALI GALI A

1887+ZWJ	᠋ᠠ (_)	<i>Initial Form</i>
ZWJ+1887+ZWJ	᠋ᠠ (_)	<i>Medial Form</i>
ZWJ+1887	᠋ᠠ (x_x)	<i>First Final Form</i>
ZWJ+1887+FVS1	᠋ᠠ (x_x)	<i>Second Final Form</i>
ZWJ+1887+FVS2	᠋ᠠ (xx_x)	<i>Third Final Form</i>
ZWJ+1887+FVS3	᠋ᠠ (xx_x)	<i>Fourth Final Form</i>
ZWJ+1887+FVS4	᠋ᠠ (x_x)	<i>Fifth Final Form</i>

1888 (x_x) ᠋ᠢ MONGOLIAN LETTER ALI GALI I

1888+ZWJ	᠋ᠢ (_)	<i>Initial Form</i>
ZWJ+1888+ZWJ	᠋ᠢ (x_x)	<i>First Medial Form</i>
ZWJ+1888+ZWJ+FVS1	᠋ᠢ (x_x)	<i>Second Medial Form</i> <small>(context-driven) (research needed here on purpose of shorter form)</small>
ZWJ+1888	᠋ᠢ (x_x)	<i>First Final Form</i>
ZWJ+1888+FVS1	᠋ᠢ (x_x)	<i>Second Final Form</i> <small>(context-driven)</small>

1889 (xx_) ᠋ᠡ MONGOLIAN LETTER ALI GALI KA⁺

1889+ZWJ	᠋ᠡ (xx_)	<i>Initial Form</i>
ZWJ+1889+ZWJ	᠋ᠡ (_)	<i>Medial Form</i>
ZWJ+1889	᠋ᠡ (_)	<i>Final Form</i>

188A (xx_) ᠋ᠢ MONGOLIAN LETTER ALI GALI NGA

188A+ZWJ	᠋ᠢ (xx_)	<i>First Initial Form</i>
188A+FVS1+ZWJ	᠋ᠢ (xx_)	<i>Second Initial Form</i> <small>(context-driven)</small>
ZWJ+188A+ZWJ	᠋ᠢ (xx_)	<i>First Medial Form</i>
ZWJ+188A+FVS1+ZWJ	᠋ᠢ (xx_)	<i>Second Medial Form</i> <small>(context-driven)</small>
ZWJ+188A	᠋ᠢ (_)	<i>Final Form</i>

188B (xx_) ᠋ᠣ MONGOLIAN LETTER ALI GALI CA

188B+ZWJ	ᠮ (xx_) <i>Initial Form</i>	ZWJ+188B+ZWJ	ᠮ (xx_) <i>Medial Form</i>	ZWJ+188B	ᠮ () <i>Final Form</i>	ZWJ+1895+ZWJ	ᠮ () <i>Medial Form</i>
						ZWJ+1895	ᠮ () <i>Final Form</i>
188C (xx_) ᠮ	MONGOLIAN LETTER ALI GALI TTA	188C+ZWJ	ᠮ (x_) <i>Initial Form</i>	ZWJ+188C+ZWJ	ᠮ () <i>Medial Form</i>	1896 (xx_) ᠮ	MONGOLIAN LETTER ALI GALI ZA
		ZWJ+188C	ᠮ () <i>Final Form</i>			1896+ZWJ	ᠮ (xx_) <i>Initial Form</i>
188D (xx_) ᠮ	MONGOLIAN LETTER ALI GALI TTHA					ZWJ+1896+ZWJ	ᠮ (xx_) <i>Medial Form</i>
188D+ZWJ	ᠮ (x_) <i>Initial Form</i>					ZWJ+1896	ᠮ () <i>Final Form</i>
ZWJ+188D+ZWJ	ᠮ () <i>Medial Form</i>						
ZWJ+188D	ᠮ () <i>Final Form</i>					1897 (xx_) ᠮ	MONGOLIAN LETTER ALI GALI AH
188E (xx_) ᠮ	MONGOLIAN LETTER ALI GALI DDA					1897+ZWJ	ᠮ (x_) <i>Initial Form</i>
188E+ZWJ	ᠮ (x_) <i>Initial Form</i>					ZWJ+1897+ZWJ	ᠮ () <i>Medial Form</i>
ZWJ+188E+ZWJ	ᠮ () <i>Medial Form</i>					ZWJ+1897	ᠮ () <i>Final Form</i>
ZWJ+188E	ᠮ () <i>Final Form</i>						
188F (xx_x) ᠮ	MONGOLIAN LETTER ALI GALI NNA					1898 (x_) ᠮ	MONGOLIAN LETTER TODO ALI GALI TA
188F+ZWJ	ᠮ (x_) <i>Initial Form</i>					1898+ZWJ	ᠮ (x_) <i>Initial Form</i>
ZWJ+188F+ZWJ	ᠮ () <i>Medial Form</i>					ZWJ+1898+ZWJ	ᠮ () <i>Medial Form</i>
ZWJ+188F	ᠮ () <i>Final Form</i>					ZWJ+1898	ᠮ () <i>Final Form</i>
1890 (x_) ᠮ	MONGOLIAN LETTER ALI GALI TA					1899 (x_) ᠮ	MONGOLIAN LETTER TODO ALI GALI ZHA
1890+ZWJ	ᠮ (x_) <i>Initial Form</i>					1899+ZWJ	ᠮ (x_) <i>Initial Form</i>
ZWJ+1890+ZWJ	ᠮ () <i>Medial Form</i>					ZWJ+1899+ZWJ	ᠮ () <i>Medial Form</i>
ZWJ+1890	ᠮ () <i>Final Form</i>					ZWJ+1899	ᠮ () <i>Final Form</i>
1891 (x_) ᠮ	MONGOLIAN LETTER ALI GALI DA					189A (x_) ᠮ	MONGOLIAN LETTER MANCHU ALI GALI GHA
1891+ZWJ	ᠮ (x_) <i>Initial Form</i>					189A+ZWJ	ᠮ (x_) <i>Initial Form</i>
ZWJ+1891+ZWJ	ᠮ () <i>Medial Form</i>					ZWJ+189A+ZWJ	ᠮ (x_) <i>Medial Form</i>
ZWJ+1891	ᠮ () <i>Final Form</i>					ZWJ+189A	ᠮ () <i>Final Form</i>
1892 (xx_x) ᠮ	MONGOLIAN LETTER ALI GALI PA ^s					189B (x_) ᠮ	MONGOLIAN LETTER MANCHU ALI GALI NGA
1892+ZWJ	ᠮ (x_) <i>Initial Form</i>					189B+ZWJ	ᠮ (x_) <i>Initial Form</i>
ZWJ+1892+ZWJ	ᠮ () <i>Medial Form</i>					ZWJ+189B+ZWJ	ᠮ (x_) <i>Medial Form</i>
ZWJ+1892	ᠮ () <i>Final Form</i>					ZWJ+189B	ᠮ () <i>Final Form</i>
1893 (xx_) ᠮ	MONGOLIAN LETTER ALI GALI PHA ^s					189C (x_) ᠮ	MONGOLIAN LETTER MANCHU ALI GALI CA
1893+ZWJ	ᠮ (x_) <i>Initial Form</i>					189C+ZWJ	ᠮ (x_) <i>Initial Form</i>
ZWJ+1893+ZWJ	ᠮ () <i>Medial Form</i>					ZWJ+189C+ZWJ	ᠮ (x_) <i>Medial Form</i>
ZWJ+1893	ᠮ () <i>Final Form</i>					ZWJ+189C	ᠮ () <i>Final Form</i>
1894 (xx_) ᠮ	MONGOLIAN LETTER ALI GALI SSA					189D (x_) ᠮ	MONGOLIAN LETTER MANCHU ALI GALI JHA
1894+ZWJ	ᠮ (xx_) <i>Initial Form</i>					189D+ZWJ	ᠮ (x_) <i>Initial Form</i>
ZWJ+1894+ZWJ	ᠮ (xx_) <i>Medial Form</i>					ZWJ+189D+ZWJ	ᠮ (x_) <i>Medial Form</i>
ZWJ+1894	ᠮ () <i>Final Form</i>					ZWJ+189D	ᠮ () <i>Final Form</i>
1895 (x_) ᠮ	MONGOLIAN LETTER ALI GALI ZHA					189E (x_) ᠮ	MONGOLIAN LETTER MANCHU ALI GALI TTA
1895+ZWJ	ᠮ (x_) <i>Initial Form</i>					189E+ZWJ	ᠮ (x_) <i>Initial Form</i>
						ZWJ+189E+ZWJ	ᠮ (x_) <i>Medial Form</i>
						ZWJ+189E	ᠮ () <i>Final Form</i>
						189F (x_) ᠮ	MONGOLIAN LETTER MANCHU ALI GALI DDHA
						189F+ZWJ	ᠮ (x_) <i>Initial Form</i>
						ZWJ+189F+ZWJ	ᠮ (x_) <i>Medial Form</i>

ZWJ+189F	ᠹᠤ ()	<i>Final Form</i>
18A0 (_x)	ᠮᠤ	MONGOLIAN LETTER MANCHU ALI GALI TA
18A0+ZWJ	ᠮᠤ (_x)	<i>First Initial Form</i>
18A0+FVS1+ZWJ	ᠮᠤ (_x)	<i>Second Initial Form</i> (context-driven)
ZWJ+18A0+ZWJ	ᠮᠤ (_x)	<i>First Medial Form</i>
ZWJ+18A0+FVS1+ZWJ	ᠮᠤ (_x)	<i>Second Medial Form</i> (context-driven)
ZWJ+18A0	ᠮᠤ ()	<i>Final Form</i>
18A1 (_x)	ᠬᠤ	MONGOLIAN LETTER MANCHU ALI GALI DHA
18A1+ZWJ	ᠬᠤ (_x)	<i>First Initial Form</i>
18A1+FVS1+ZWJ	ᠬᠤ ()	<i>Second Initial Form</i> (context-driven)
ZWJ+18A1+ZWJ	ᠬᠤ (_x)	<i>First Medial Form</i>
ZWJ+18A1+FVS1+ZWJ	ᠬᠤ ()	<i>Second Medial Form</i> (context-driven)
ZWJ+18A1	ᠬᠤ ()	<i>Final Form</i>
18A2 (_x)	ᠰᠤ	MONGOLIAN LETTER MANCHU ALI GALI SSA
18A2+ZWJ	ᠰᠤ (_x)	<i>Initial Form</i>
ZWJ+18A2+ZWJ	ᠰᠤ (_x)	<i>Medial Form</i>
ZWJ+18A2	ᠰᠤ ()	<i>Final Form</i>
18A3 (_x)	ᠴᠤ	MONGOLIAN LETTER MANCHU ALI GALI C YA
18A3+ZWJ	ᠴᠤ (_x)	<i>Initial Form</i>
ZWJ+18A3+ZWJ	ᠴᠤ (_x)	<i>Medial Form</i>
ZWJ+18A3	ᠴᠤ ()	<i>Final Form</i>
18A4 (_x)	ᠵᠤ	MONGOLIAN LETTER MANCHU ALI GALI ZHA
18A4+ZWJ	ᠵᠤ (_x)	<i>Initial Form</i>
ZWJ+18A4+ZWJ	ᠵᠤ (_x)	<i>Medial Form</i>
ZWJ+18A4	ᠵᠤ ()	<i>Final Form</i>
18A5 (_x)	ᠵᠤ	MONGOLIAN LETTER MANCHU ALI GALI ZA
18A5+ZWJ	ᠵᠤ (_x)	<i>Initial Form</i>
ZWJ+18A5+ZWJ	ᠵᠤ (_x)	<i>Medial Form</i>
ZWJ+18A5	ᠵᠤ ()	<i>Final Form</i>
18A6 (xx_)	ᠤ	MONGOLIAN LETTER ALI GALI HALF U
18A6+ZWJ	ᠤ (_x)	<i>Initial Form</i>
ZWJ+18A6+ZWJ	ᠤ ()	<i>Medial Form</i>
ZWJ+18A6	ᠤ ()	<i>Final Form</i>
18A7 (xx_x)	ᠮ	MONGOLIAN LETTER ALI GALI HALF YA
18A7+ZWJ	ᠮ (_x)	<i>Initial Form</i>
ZWJ+18A7+ZWJ	ᠮ ()	<i>Medial Form</i>
ZWJ+18A7	ᠮ ()	<i>Final Form</i>
18A8 (_x)	ᠪᠤ	MONGOLIAN LETTER MANCHU ALI GALI BHA*
18A8+ZWJ	ᠪᠤ (_x)	<i>Initial Form</i>
ZWJ+18A8+ZWJ	ᠪᠤ ()	<i>Medial Form</i>

ZWJ+18A8	ᠪᠤ ()	<i>Final Form</i>
18AA (_x)	ᠯᠤ	MONGOLIAN LETTER MANCHU ALI GALI LHA
18AA+ZWJ	ᠯᠤ (_x)	<i>Initial Form</i>
ZWJ+18AA+ZWJ	ᠯᠤ (_x)	<i>Medial Form</i>
ZWJ+18AA	ᠯᠤ ()	<i>Final Form</i>