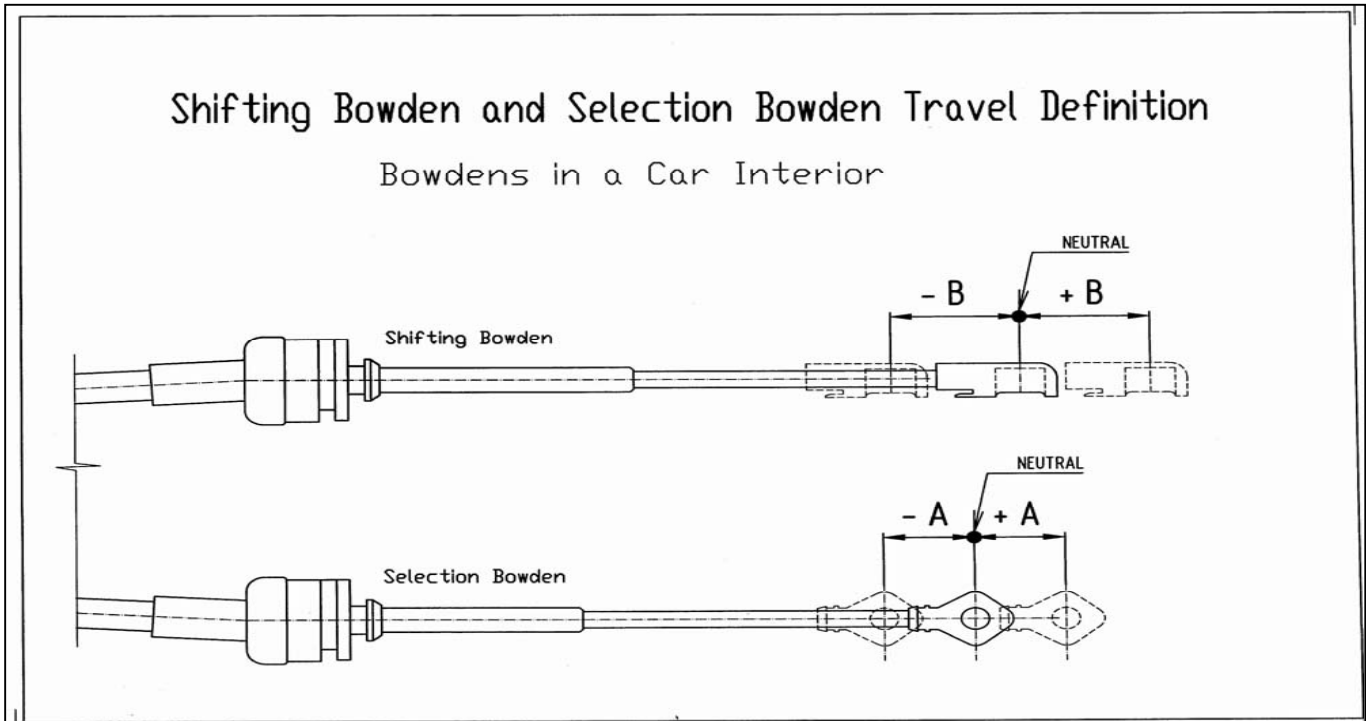# SEQSHIFT BOWDEN (CABEL) STROKE MEASURING
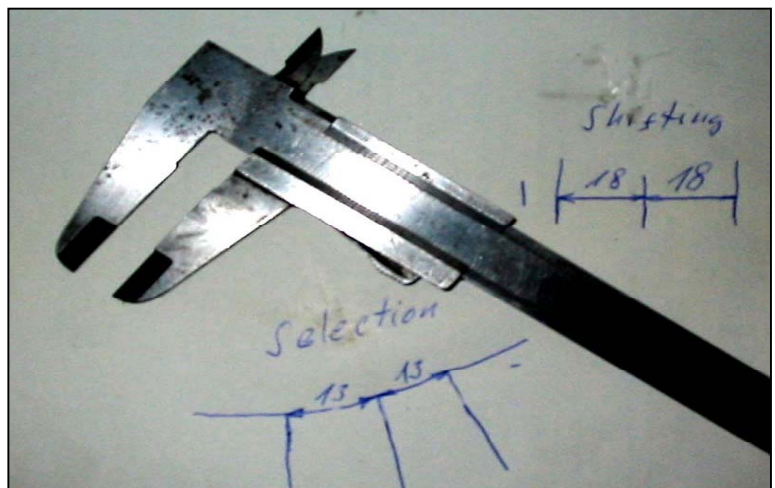
Check carefully what movements hase your gearkit on SHIFT and SELCTOR levers on gearbox !!
This is most important for right function of SEQSHIFT !

How to measure it :   See the drawing - most exact is let bowdens conected to levers on gearbox
and measure ends (joints) inside the car !
This way provides only stright movement without turning (like on gerabox levers) !

Shifting Bowden and Selection Bowden Travel Definition

Bowdens in a Car Interior

       Pay attention to direction of movement ! (+ or - on drawing) some cars use
       lever systém which convert original movement to oposite direction !

If is not possible mesure bowdens as written above - try this methodic, measure very carefully
only stright stroke of levers (not circle), this way does not provide 100% exact values.

Overview of most known strokes of original gearboxes and varios dog box manufacturers.

EVO IV-VIII	gear	R	1	2	3	4	5
Stock, Mihaly Dog, KAPS Dog (Josboon)	size **B SHIFT**	-26,5	26,5	-26,5	26,5	-26,5	26,5
	size **A** SELECT	12	-12	-12	0	0	12

EVO IV-VIII	gear	R	1	2	3	4	5
Quaife Dog Hewland/Ralliart Holinger II Dog	size **B SHIFT**	-24	24	-24	24	-24	24
	size **A** SELECT	12	-12	-12	0	0	12

EVO IV-VIII	gear	R	1	2	3	4	5
Holinger I Dog (Gaetmo)	size **B SHIFT**	-20	20	-20	20	-20	20
	size **A** SELECT	12	-12	-12	0	0	12

EVO IV-IX	gear	R	1	2	3	4	5	6
Track Car Dog	size **B SHIFT**		26,5	-26,5	26,5	-26,5	26,5	-26,5
	size **A** SELECT		-12	-12	0	0	12	12

VAG	gear	R	1	2	3	4	5	6
02A,02J,02C (2000>) Stock, SQS Dog, Quaife Dog	size **B SHIFT**	25	25	-25	25	-25	25	-25
	size **A** SELECT	-21	-11	-11	0	0	10,5	10,5

VAG	gear	R	1	2	3	4	5
002,02T,02R Stock	size **B SHIFT**	25	25	-25	25	-25	25
	size **A** SELECT	-21	-11	-11	0	0	10,5

VAG	gear	R	1	2	3	4	5	6
02M, 02Q Stock	size **B SHIFT**	21	21	-21	21	-21	21	-21
	size **A** SELECT	-21	-11	-11	0	0	10,5	10,5

**Make you always sure that cabel stroke of SEQSHIFT you have is same as stroke of your gearbox !
Diference in this values is 99% of troubles with SEQSHIFT run.**

If there is difernce betwin SEQSHIFT and gearbox you have - is possible optimalise it together:
Short or prolong lever on gearbox to get same strokes as SEQSHIFT hase.
By optimalisation check if changing lever lenght keeps cabels in same angel to lever and if still can move free (does not turn cabel in holder too much etc....).

Example how is possible convert EVO I-III shift lever (31mm) to got same stroke as EVO IV-IX (26,5mm)
Selector lever does not require any change becouse hase same stroke(12,5mm) !