



# Alfa Romeo

# WHEEL ALIGNMENT AND CAR TRIM WITH THE ROAD

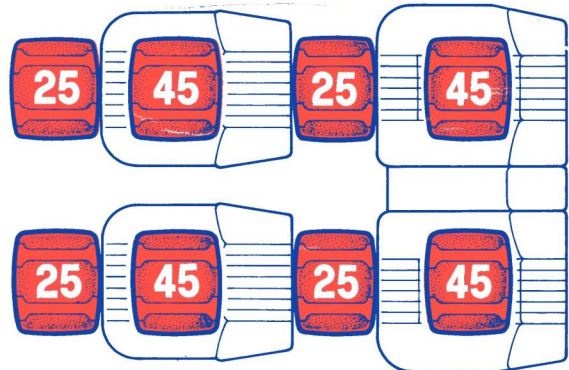


CHECK AND ADJUSTMENT TO BE PERFORMED UNDER STATIC LOAD WITH SHOCK ABSORBERS AND STABILIZER RODS DISCONNECTED.

### STATIC LOAD

Under static load means a condition for which the car is in running order with: • Full tank or equivalent load • Spare tyre and tool kit • Tyres inflated as prescribed • And laden as shown • 4-door models: load as shown = 280 kg. total weight • 2-door models: load the front only = 140 kg. total weight.

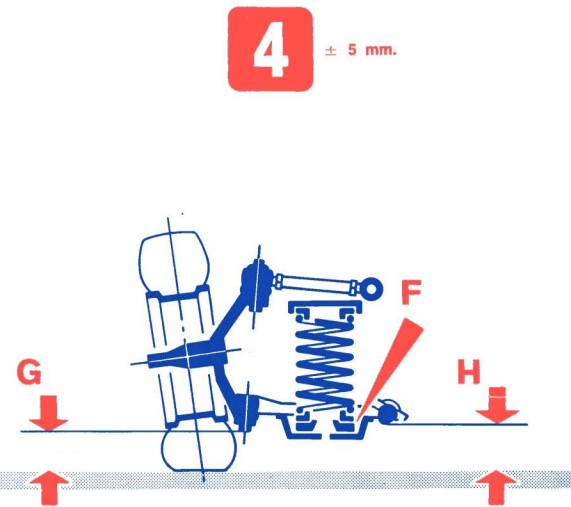
### Weights in Kgs



Prior to check, rock the vehicle slightly to allow the wishbone rubber bushings to assume their normal position.

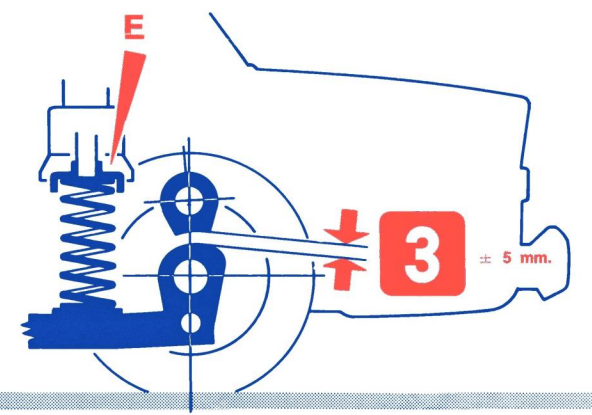
### FRONT SUSPENSION

To find the dimension 4 calculate the subtraction: H minus G = 5 mm. To adjust change the spacer F. Available spacer thicknesses: 3.5 - 7 - 10.5 mm.



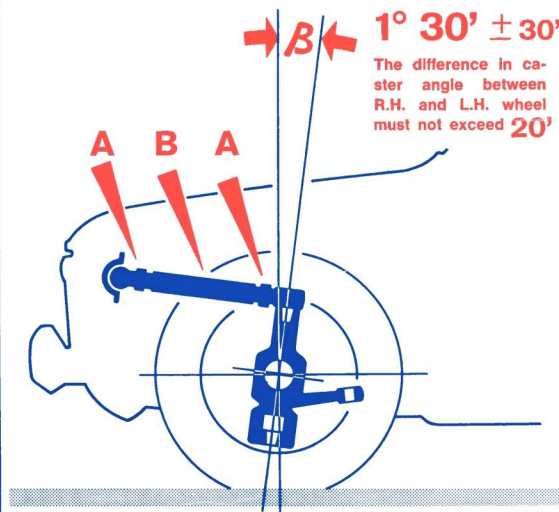
### REAR SUSPENSION

To adjust spring sag 3 replace the spacer E with another one of suitable thickness. Available spacer thicknesses: 6.5 - 11.5 - 16.5 - 21.5 mm.



### CASTER

To adjust the caster angle B loosen locknuts A and rotate rod B. Adjustments of caster angle within tolerance limits allow to correct slight sideslip tendency of the car.

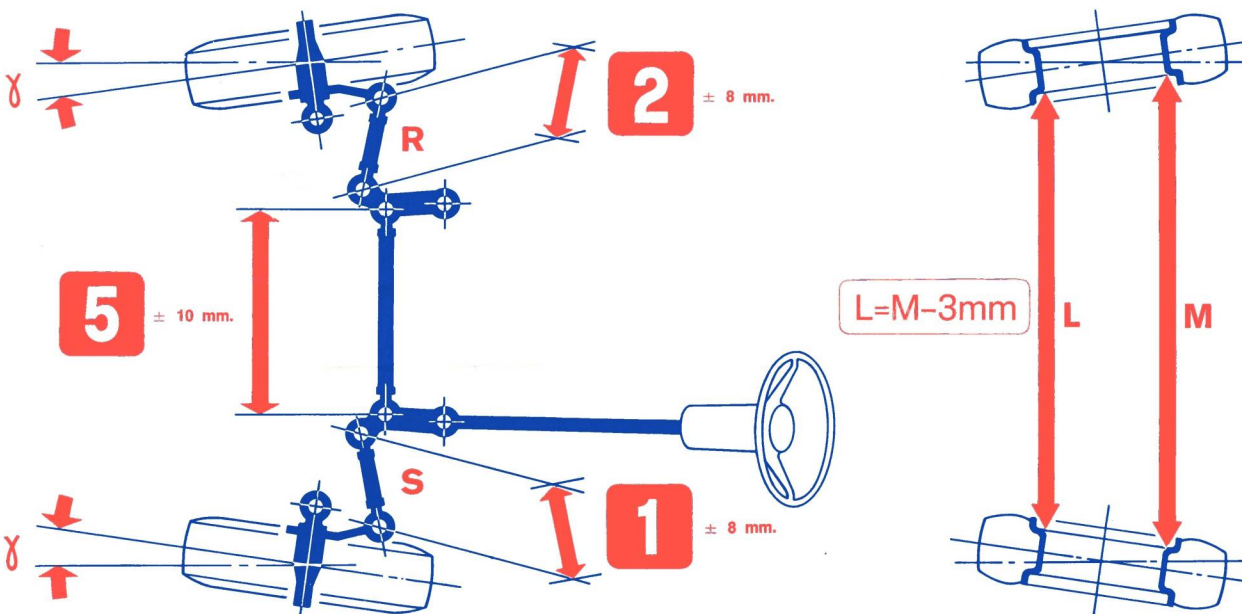


### FRONT WHEEL TOE - IN

$\gamma = \begin{cases} 0^\circ 13' & \text{for } 15'' \text{ (390 mm.) dia. rims} \\ 0^\circ 14' & \text{for } 14'' \text{ (365 mm.) dia. rims} \end{cases}$

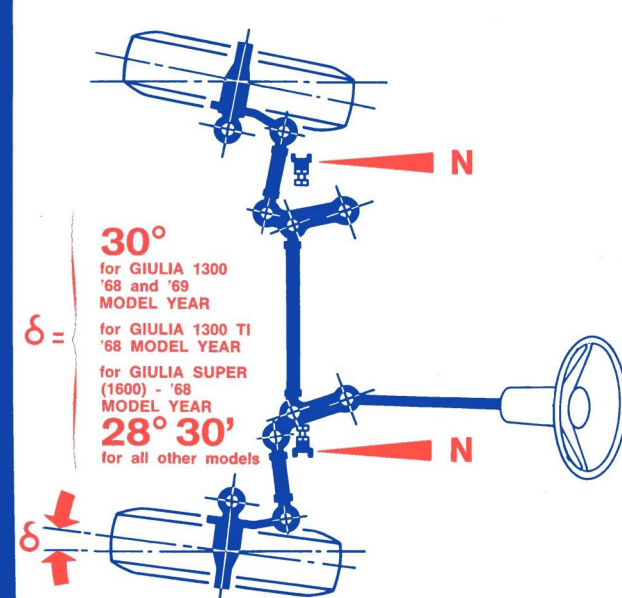
Adjustment is to be performed by:  
• Starting with track rod S on L.H.D.  
• Starting with track rod R on R.H.D.

N.B. - The length of rod as shown in the table is applicable to RHD cars with a white marked steering arm P.N. 105.49.24.201.00.



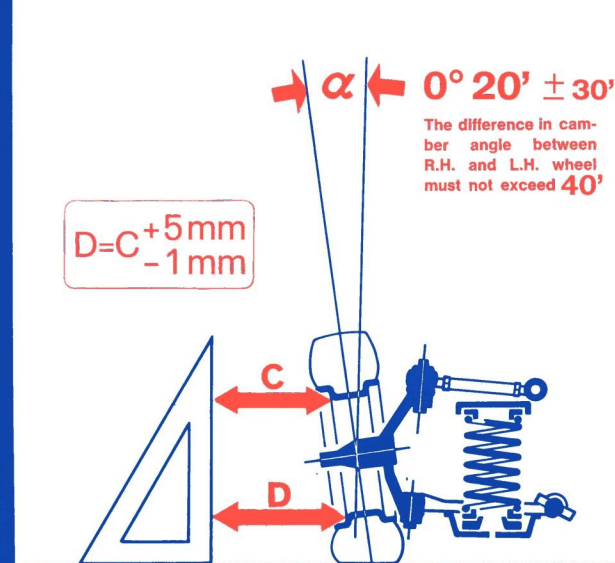
### TURNING ANGLE

Maximum for the outer wheel. To adjust, act on the steering lock adjusters N.



### FRONT WHEEL CAMBER

Camber angle  $\alpha$  not adjustable. Check the body and suspension arms for distortion if necessary.



MODEL	MODEL YEAR	FROM CHASSIS NO.		1	2	3	4	5
		L.H. DRIVE	R.H. DRIVE					
GIULIA 1300	'68	645001						
	'69	1029001		272	272			
GIULIA 1300 TI	'68	645001						
	'69	1029001		277	272	36	34	
GIULIA 1300 SUPER	'68	765001		272	267			
	'69	2220001		277	272			
GIULIA SUPER 1.3	'68	2294001		272	267			
	'69	2272001		277	272			
GT 1300 JUNIOR	'68	1211001		272	272			24
	'69	1290251		277	272			34
	'70	1292001		272	267	41	24	34
	'71	1295001		277	267			24
GT JUNIOR 1.3	'68	1291001		272	267			34
	'69	1297001		272	267			34
JUNIOR Z (1300)	'68	1800001		277	272	33	24	
GTA 1300 JUNIOR	'68	775001		272	272	41	34	
SPIDER 1300 JUNIOR	'68	1670001		272	272			
	'69	1695001		277	272	33	24	
	'70	1695201		272	267			
	'71	1840001		277	272			
SPIDER JUNIOR 1.3	'68	1855001		272	267			
	'69	1843001		277	272			
GIULIA SUPER (1600)	'68	862001		272	272			
	'69	722501		277	272			
	'70	880001		272	267			
	'71	724001		277	272			
	'72	882900		277	272			
	'73	724191		272	267			
	'74	1862001		277	272			
	'75	782001		272	267	36	34	
GIULIA SUPER 1.6	'68	1875001		277	272			
	'69	784001		272	267			
GIULIA 1600 S	'68	1980001		277	272			
	'69	786001		272	267			
GT JUNIOR 1.6	'68	1700001		277	272			
	'69	2195001		277	272			
SPIDER JUNIOR 1.6	'68	2205001		272	267			
	'69	2208001		277	272			
1600 JUNIOR Z	'68	2217001		272	267	33	24	
	'69	1300001		277	272			
1750 BERLINA	'68	1460001		272	267	36	34	
	'69	1740001		277	272			
1750 GT VELOCE	'70	1464001		272	267			
	'71	1350001		277	272	41	24	
1750 SPIDER VELOCE	'70	1450001		272	267			
	'71	1375001		277	272			
2000 BERLINA	'70	1454001		272	267			
	'71	1410001		277	272	33	24	
2000 GT VELOCE	'70	1470001		272	267			
	'71	1820001		277	272			
2000 SPIDER VELOCE	'70	2300001		272	267	36	34	
	'71	2400001		277	272			
MONTREAL	'70	2420001		277	272	41	34	
	'71	2410001		272	267			
		'72	2460001		277	272	33	24
		'73	2470001		272	267		
		'74	1425101		264	264	41	24
		'75	1440101		264	264		653