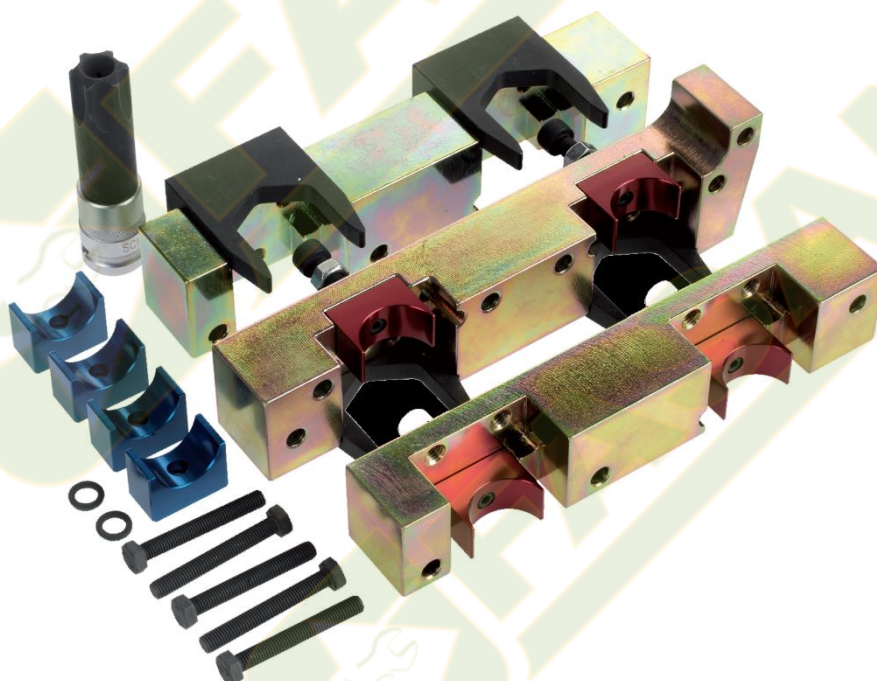


**“Timing tool set suitable for MERCEDES BENZ**

**1.6/2.0 petrol engines”**

Rev.0 012016

**FG 192/MB24**



## WARNINGS



ALWAYS REFER TO THE VEHICLE MANUFACTURER'S INSTRUCTIONS AND TO THE MANUAL OF THE VEHICLE IN ORDER TO KNOW THE DATA AND PROCEDURES THAT YOU MUST USE. THIS DOCUMENT MUST BE USED ONLY FOR INFORMATION.



ALWAYS USE PROPER PROTECTIVE GLOVES



ALWAYS USE PROPER PROTECTIVE GLASSES



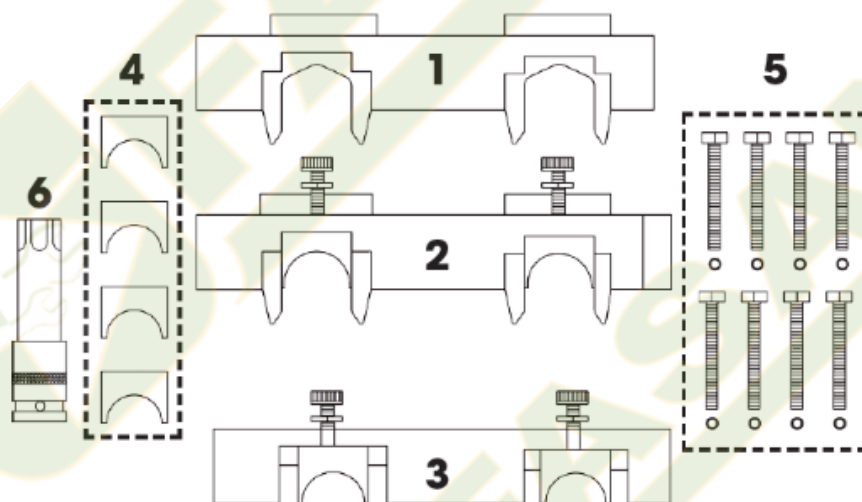
### ATTENTION

The wrong timing or out of phase of the engine can result in a damage of the valves. The use of these timing tools is at solely discretion of the user and, the Fasangas Srl can not be held responsible for any damage to the engine caused by the use of these timing tools.

### IMPORTANT SAFETY INSTRUCTIONS:

- ALWAYS disconnect the battery earth leads (before check the radio code if it's available)
- DO NOT turn crankshaft or camshaft with the timing belt/chain removed.
- Remove spark plugs to make the engine turn easier.
- ALWAYS turn the engine in the normal direction of rotation (unless otherwise stated).
- Mark the position of the crankshaft position sensor before disassembly (If it's supplied).
- NEVER turn the crankshaft via camshaft or other gears.
- ALWAYS observe all tightening torques.
- NEVER use cleaning fluids on belts, sprockets or rollers

## CONTENT DESCRIPTION: SPECIAL TOOLS



| # | FASANO TOOLS Code | OEM code         | Description / Use                                            |
|---|-------------------|------------------|--------------------------------------------------------------|
| 1 | FG 192/MB24-1     | 270 589 01 61 00 | Camshaft clamping assembly (chain end) – (from 2009 to 2014) |
| 2 | FG 192/MB24-2     | 270 589 01 61 00 | Camshaft clamping assembly (chain end) - (from 2014 - )      |
| 3 | FG 192/MB24-3     | 270 589 01 61 00 | Camshaft clamping assembly (gearbox end)                     |
| 4 | FG 192/MB24-4     |                  | Blocks for camshaft with small diameter                      |
| 5 | FG 192/MB24-5     |                  | Screws for camshaft clamping assembly                        |
| 6 | FG 192/MB24-6     |                  | Security bit socket                                          |

## APPLICATIONS

### MERCEDES BENZ

| MODELLO                                    | kW (hp)   | COD. MOTORE | MOTORE |   |
|--------------------------------------------|-----------|-------------|--------|---|
| A-Class A180/BlueEFFICIENCY (2012-2015)    | 90 (122)  | 270,910     | 1,6    | P |
| A-Class A200/BlueEFFICIENCY (2012-2015)    | 115 (156) | 270,910     | 1,6    | P |
| A-Class A220 4Matic (2014-2015)            | 135 (184) | 270,920     | 2,0    | P |
| A-Class A250 4Matic (2013-2015)            | 155 (211) | 270,920     | 2,0    | P |
| A-Class A250 Sport (2012-2015)             | 155 (211) | 270,920     | 2,0    | P |
| A-Class A250 Sport 4Matic (2013-2015)      | 155 (211) | 270,920     | 2,0    | P |
| A-Class A180 (2013-2015)                   | 90 (122)  | 270,910     | 1,6    | P |
| A-Class A200 (2013-2015)                   | 115 (156) | 270,910     | 1,6    | P |
| A-Class A250 Sport (2013-2015)             | 155 (211) | 270,920     | 2,0    | P |
| B-Class B200 Natural Gas Drive (2012-2015) | 115 (156) | 270,920     | 2,0    | P |
| B-Class B180/BlueEFFICIENCY (2012-2015)    | 90 (122)  | 270,910     | 1,6    | P |
| B-Class B180/BlueEFFICIENCY (2012-2015)    | 90 (122)  | 270,910     | 1,6    | P |
| B-Class B200/BlueEFFICIENCY (2012-2015)    | 115 (156) | 270,910     | 1,6    | P |
| B-Class B200/BlueEFFICIENCY (2012-2015)    | 115 (156) | 270,910     | 1,6    | P |
| B-Class B200 4Matic (2013-2015)            | 125 (170) | 270,920     | 2,0    | P |
| B-Class B220 4Matic (2013-2015)            | 135 (184) | 270,920     | 2,0    | P |
| B-Class B250 4Matic (2013-2015)            | 155 (211) | 270,920     | 2,0    | P |
| B-Class B250/BlueEFFICIENCY (2012-2015)    | 155 (211) | 270,920     | 2,0    | P |
| B-Class B250/BlueEFFICIENCY (2012-2015)    | 155 (211) | 270,920     | 2,0    | P |
| CLA Coupe (2013-2015)                      | 90 (122)  | 270,910     | 1,6    | P |
| CLA Coupe 180 BlueEFFICIENCY (2013-2015)   | 90 (122)  | 270,910     | 1,6    | P |
| CLA Coupe (2013-2015)                      | 115 (156) | 270,910     | 1,6    | P |
| CLA Coupe (2013-2015)                      | 155 (211) | 270,920     | 2,0    | P |
| CLA Shooting Brake (2015)                  | 90 (122)  | 270,910     | 1,6    | P |
| CLA Shooting Brake (2015)                  | 115 (156) | 270,910     | 1,6    | P |
| CLA Shooting Brake (2015)                  | 155 (211) | 270,920     | 2,0    | P |
| CLA Shooting Brake 250 4Matic (2015)       | 155 (211) | 270,920     | 2,0    | P |
| GLA (2014-2015)                            | 115 (156) | 270,910     | 1,6    | P |
| A-Class (2013-2015)                        | 265 (360) | 133,980     | 2,0    | P |
| CLA Coupe (2013-2015)                      | 265 (360) | 133,980     | 2,0    | P |
| CLA Shooting Brake (2015)                  | 265 (380) | 133,980     | 2,0    | P |
| GLA (2014-2015)                            | 265 (360) | 133,980     | 2,0    | P |
| C-Class (2011-2014)                        | 115 (156) | 274,910     | 1,6    | P |
| C-Class (2011-2014)                        | 135 (184) | 274,920     | 2,0    | P |
| C-Class (2014-2015)                        | 115 (156) | 274,910     | 2,0    | P |
| C-Class (2014-2015)                        | 135 (184) | 274,920     | 2,0    | P |
| C-Class (2014-2015)                        | 155 (211) | 274,920     | 2,0    | P |
| C-Class (2014-2015)                        | 155 (211) | 274,920     | 2,0    | P |
| C-Class Coupe (2012-2015)                  | 115 (156) | 274,910     | 1,6    | P |
| E-Class (2013-2015)                        | 115 (156) | 274,910     | 1,6    | P |
| E-Class (2013-2015)                        | 135 (184) | 274,920     | 2,0    | P |
| E-Class E200 NGT (2013-2015)               | 115 (156) | 274,920     | 2,0    | P |
| E-Class E250 (2013-2015)                   | 155 (211) | 274,920     | 2,0    | P |
| E-Class Coupe/Cabriolet E200 (2013-2015)   | 135 (184) | 274,920     | 2,0    | P |
| E-Class Coupe/Cabriolet E250 (2013-2015)   | 155 (211) | 274,920     | 2,0    | P |
| GLK (2013-2015)                            | 135 (184) | 274,920     | 2,0    | P |
| GLK (2013-2015)                            | 155 (211) | 274,920     | 2,0    | P |