

## 54-561 Adjustment of connecting link

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The following steps must be performed to ensure that the Tempomat connecting rod is correctly adjusted and that the Tempomat functions properly.

- Check the smooth operation and wear of the control shafts, control levers, relay levers, ball sockets, Bowden cables, and control rod.
- Clean all soiled or stiff control mechanisms.
- Use an oil can to lubricate all bearings of all control shafts, control levers, control rod joints and cables.
- Only the following hydraulic oil shall be used with vehicles built for the **US market**.

Castrol DB Hydraulik Fluid  
Mobil Aero HFA  
Shell Aero Fluid 4

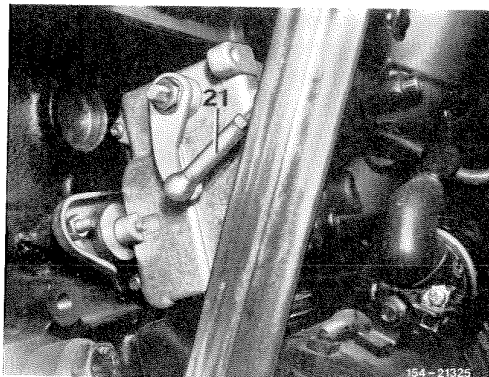
- For assembly work, use anti-corrosion grease, PN 000 989 87 15 10.

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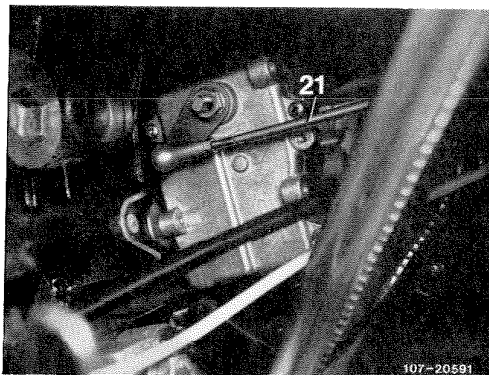
### A. Engine 102 with carburetor

- 1 Run engine to operating temperature and keep running at idle.
- 2 Disconnect connecting rod (21) on actuator.
- 3 Push lever of actuator in direction of engine to idle.
- 4 Adjust connecting rod (21) in such a manner that it is approx. 1 mm shorter.
- 5 Attach connecting rod (21) and counterlock ball head.



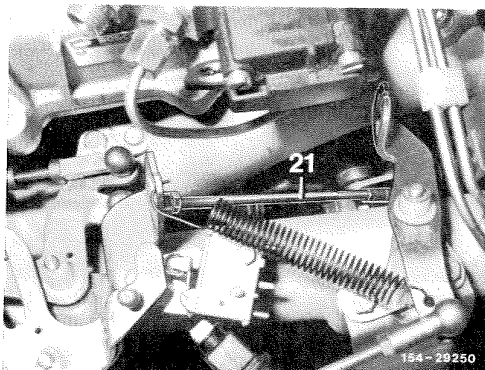
### B. Engine 102 with injection system

- 1 Disconnect connecting rod (21) on actuator.
- 2 Move regulating linkage into idle position.
- 3 Push lever of actuator in direction of engine to idle.
- 4 Adjust connecting rod (21) in such a manner that it is approx. 1 mm shorter.
- 5 Attach connecting rod (21) and counterlock ball head.



### C. Engine 103

- 1 Remove air cleaner.
- 2 Disengage connecting rod (21) on throttle control.
- 3 Push lever of actuator to idle speed position.
- 4 Adjust connecting rod (21) in such a manner that it is approx. 1 mm shorter.
- 5 Engage connecting rod (21) and mount air cleaner.

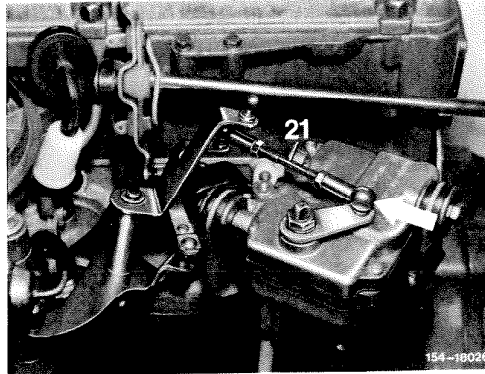


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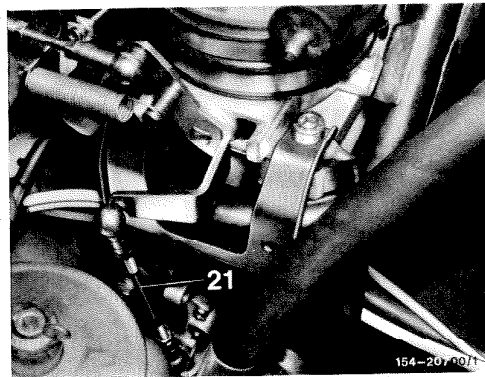
### D. Engine 110 with carburetor

- 1 Remove air cleaner.
- 2 Disconnect connecting rod (21) on actuator.
- 3 Run engine at idle.
- 4 Push lever of actuator clockwise to idle speed position.
- 5 Turn ball head of connecting rod (21) in such a manner that it will be approx. 1 mm shorter.
- 6 Attach connecting rod (21) and counter-lock ball head.
- 7 Mount air cleaner.



### E. Engine 110 with CIS injection system

- 1 Disconnect connecting rod (21) on lever of throttle valve housing.
- 2 Move regulating linkage into idle speed position.
- 3 Push lever of actuator with regulating rod (21) up to stop downward into idle speed position.
- 4 Turn ball head of connecting rod (21) in such a manner that it will be approx. 1 mm shorter.
- 5 Attach connecting rod (21) and counter-lock ball head.

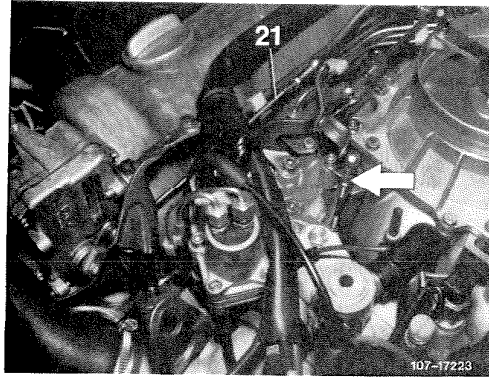


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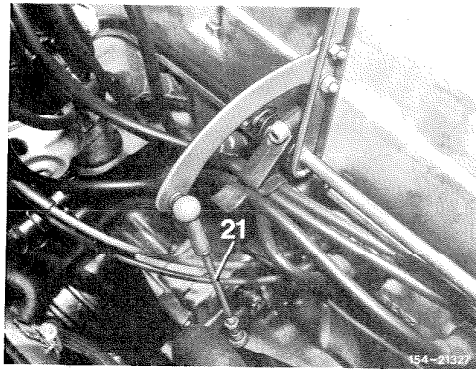
### F. Engines 116 and 117

- 1 Disconnect connecting rod (21) on actuator.
- 2 Push lever of actuator clockwise to idle.
- 3 Turn ball head of connecting rod (21) in such a manner that it is approx. 1 mm longer.
- 4 Attach connecting rod (21) and counterlock ball head.



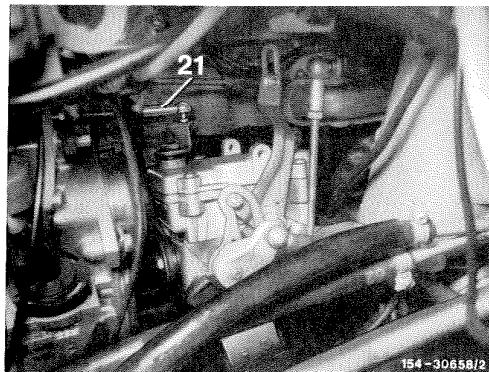
### G. Engine 123

- 1 Run engine at idle.
- 2 Disconnect connecting rod (21) at top on regulation.
- 3 Push lever of actuator up to stop in downward direction into idle position.
- 4 Turn ball head of connecting rod (21) in such a manner that it is approx. 1 mm longer.
- 5 Attach connecting rod (21) and counterlock ball head.



### H. Engine 603.96/97

- 1 Disengage connecting rod (21) on actuator.
- 2 Move throttle control into idling position.
- 3 Push lever of actuator to idle speed position.
- 4 Adjust connecting rod (21) in such a manner that it is 1 mm shorter.
- 5 Engage connecting rod (21).

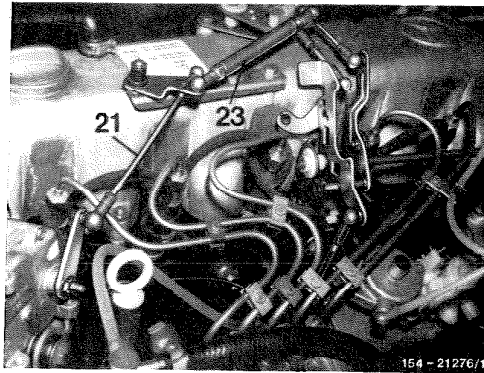


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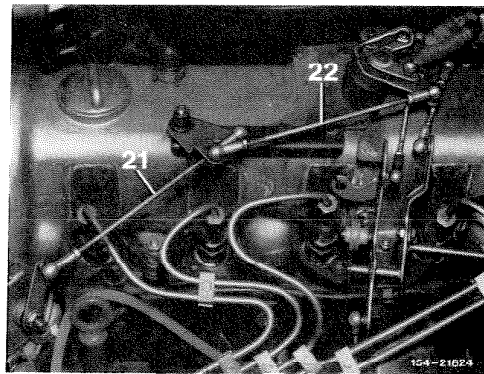
Model 123.193 with automatic transmission W4B025

- 21 Connecting rod (adjust)
- 23 Pull rod (178 mm)



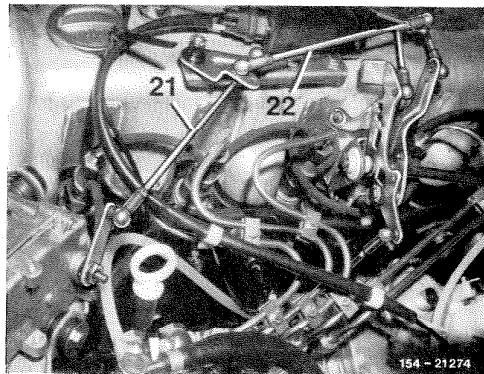
Models 123.193, 126.120 with automatic transmission W4A40 (except USA)

- 21 Connecting rod (adjust)
- 22 Connecting rod (196 mm)



Models 123.133/153/193, 126.120 (USA)

- 21 Connecting rod (adjust)
- 22 Connecting rod (196 mm)



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### I. Engines 616, 617

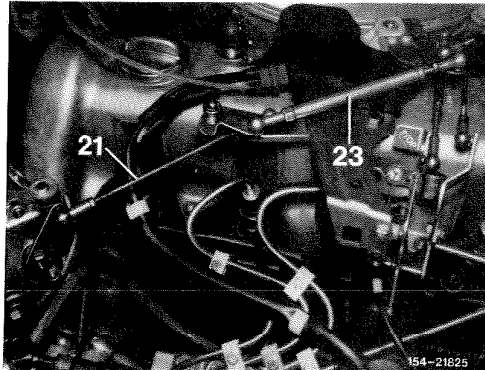
1 Check connecting rod (22) or pull rod (23) to specified length.  
Measure pull rod (23) in rest position.

Measure pull rod (23) in rest position.

2 Disconnect connecting rod (21) or pull rod (24) on actuator.

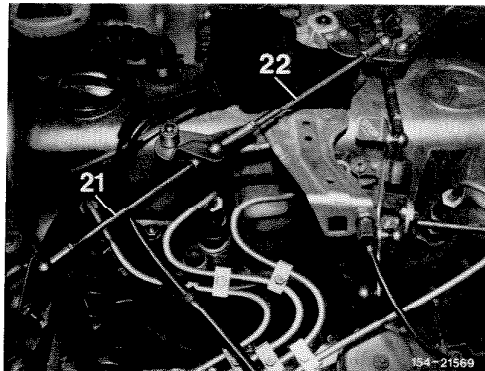
Model 123.123 (USA) with automatic transmission

21 Connecting rod (adjust)  
23 Pull rod (178 mm)



Model 123.123 (USA) with manual transmission

21 Connecting rod (adjust)  
22 Connecting rod (178 mm)



Models 123.12/130/190  
22 Connecting rod (224 mm)  
24 Pull rod (adjust)

