

Diagnosis – Complaint Related Diagnostic Chart

Instrument Cluster

Complaint/Problem	Possible cause	Remedy/Test step ¹⁾
All red segments in the PTS warning indicator (A44/1, A44/3, and A44/4), illuminate at forward speed < approx. 9 mph; no reverse gear selected; no warning sound	Front sensors dirty; sensors defective; wires shorted or connectors not plugged-in; moisture in sensor connector; wrong sensors installed	Clean sensors Read out DTC's 12 23
Reverse gear selected; all red segments in the PTS warning indicator (A44/1, A44/3, and A44/4), illuminate at reverse speed < approx. 9 mph; no reverse gear selected; no warning sound	Rear sensors dirty; sensors defective; wires shorted or connectors not plugged-in; moisture in sensor connector; wrong sensors installed	Clean sensors Read out DTC's 12 23
All red segments in the PTS warning indicator (A44/1, A44/3, and A44/4), illuminate at speed < approx. 9 mph with no warning sound, after approx. 3 min. of interruption warning sound comes on. Interruption depends on place or time.	Interference in construction zones (pneumatic tools); moisture radiation (car wash); heavy rain, hail; electromagnetic induction (traffic light)	Switch PTS off manually using PTS on/off switch (S95) Wait for interference to cease Read out DTC's 12 23
Ultrasonic PTS control module (N62) does not store any DTC's.	No voltage supply to control module; no signal from the sensors; sensors defective or control module defective.	23
PTS system not functioning with ignition on	Fuses; Ultrasonic PTS control module (N62)	23
PTS system does not switch-on at speed < approx. 9 mph	PTS switched off manually; system became inoperative during drive	Switch PTS on and off manually using PTS on/off switch (S95); check LED in the PTS switch (S95) 23
PTS system does not switch-off at speed > approx. 9 mph	No VSS signal provided	23 ⇒ 8

1) Observe Preparation for Test, see 22.

Diagnosis – Complaint Related Diagnostic Chart

Complaint/Problem	Possible cause	Remedy/Test step ¹⁾
Some segments of the PTS warning indicator (A44/1, A44/3, and A44/4) do not illuminate.	PTS warning indicator (A44/1, A44/3, and A44/4) defective.	Replace the PTS warning indicator (A44/1, A44/3, and A44/4).
One or more PTS warning indicator (A44/1, A44/3, and A44/4) not functioning.	No voltage supply to the respective warning indicators.	23 ⇒ 3 23 ⇒ 4 23 ⇒ 5
After switching the ignition on, the red segments of one or more warning indicator(s) (A44/1, A44/3, and A44/4) illuminate immediately without preceding function check.	Data lines to the respective warning indicator defective.	23 ⇒ 3 23 ⇒ 4 23 ⇒ 5
Rear dome lamp warning indicator (A44/3) illuminates always or is always off.	Reverse signal not correct.	23 ⇒ 9
Warning indicators too bright with lights on.	Light signal (circuit 58) not correct.	23 ⇒ 10
Front warning indicator illuminates with no obstacles in the frontal area.	System can be triggered by bushes, stones, high curbs, posts, sign etc.	System OK
System interference when wet.	Connectors to the sensors not plugged correctly; sensors not sealed correctly; harness exposed to moisture.	Repair as required.

¹⁾ Observe Preparation for Test, see 22.