



TELMA RETARDER, INC.

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TL105092

Revised: 25apr16

Technical Service Bulletin

SUBJECT: Periodic Inspections

Products Affected: All

Effective Date: 25apr16

Telma is committed to a philosophy of continuous improvement as a way of enhancing the end-user's experience with our product.

This is a reminder that the Maintenance Chart in the Maintenance Manual [TL101009](#) delivered with each Telma installation as well as the [Maintenance Chart](#) on our website calls for periodic checks of the Telma system. These checks are recommended to avoid costly repairs and should be performed at the recommended intervals shown below. The items in this chart should be incorporated into your vehicle periodic checklist and a record kept of when the checks were done. Warranty may be affected if a failure occurs which could have been prevented if a periodic check had been made.

MAINTENANCE

The TELMA is a very low maintenance device. The following quick inspections can improve the life expectancy and performance of your retarder.		Initial Check at	Check every	Check every
	Miles	3000	12500	40000
	Hours	300	1200	3600
	Months	1	4	12
NO ABNORMAL END PLAY BETWEEN THE ROTOR AND STATOR			X	
AIR GAP WITHIN SPECIFICATIONS		X	X	
COILS, STATOR, AND ROTORS FOR DAMAGE			X	
TELMA GREASE SEALS (AC/AD/AF SERIES)				X
FASTENER TIGHTNESS - DRIVE SHAFTS AND TELMA BRACKETS		X	X	
CONDITION OF RUBBER MOUNTS (AC/AD/AF SERIES)				X
GROUPS, WIRING CONDITION and RELAY BOX TERMINAL TIGHTNESS		X	X	
CHECK RELAY BOX CONTACTS - REPLACE IF WORN			X	X
TELMA AMPS WITHIN SPECIFICATIONS				X
HYDRAULIC BRAKE FOOT SWITCH ADJUSTMENT		X	X	
DASH LIGHT BAR FUNCTIONS WHEN TELMA IS APPLIED - ROAD TEST		X	X	
TELMA TURNS OFF WHEN VEHICLE STOPS - ROAD TEST		X	X	

AF50-55 and AF50-90 models are equipped with aluminum plates. If the bolts that mount the retarder bracket to the aluminum plate are found to be loose they should be replaced with new bolts 6 x part number TIF07001 and new Trep washers 6 x part number VF201400 and the aluminum plate threaded holes should be checked for damage. A replacement kit which includes 2 x aluminum plate and 8 x #40 Torx head screws is part number VA1001546. The tightening torque for the Torx head screws is 18lb-ft ±3lb-ft and the Tightening torque for the M12 bolts TIF07001 that mount the retarder bracket to the aluminum plate is 35lb-ft ±5lb-ft.

If you have any questions, contact Telma customer support at 800 797-7714, go to the Telma Web site at www.telmausa.com, or send an email to engineering@telmacse.com with your questions 24 hours a day / 7 days a week.

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