



Reefer Technical Bulletin

SC0003

10 November 2017

Replacing/refitting Star Cool/MCI temperature supply sensors.

When a supply air sensor has been deemed faulty, it is important that before replacement of the sensor takes place its correct placement into the sensor pocket is checked. Over the different build types of Star Cool/MCI reefer units there have been different supply air temperature sensor pockets applied. We have found during operation and preparation/repair of these units, owing to the different sensor pocket types and depths, some sensors have not been inserted fully in to the sensor pockets. This can cause incorrect senor readings that could lead to potential chilling damages, unnecessary unit alarms and sensor replacements.

When replacing sensors:

- 1. Ensure both sensors are fully inserted in to the sensor pocket.
- 2. Use the below container build information to obtain the correct sensor depth for the corresponding sensor pockets.
- 3. Measure and mark the sensors to the required length (measurements must be taken from the tip of the sensor to required length and mark each sensor wire.



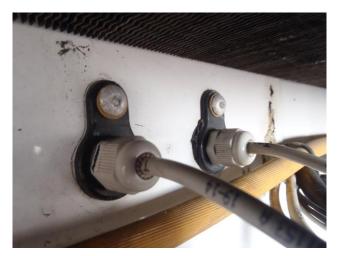


4. Reinsert each sensor back into the sensor pocket to the marked measurement.

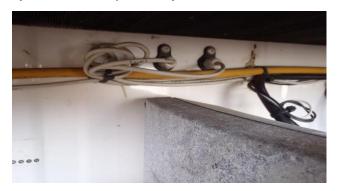


5. Reinstall sensor pocket glands ensuring the seals are in place, serviceable and the glands are fully secured.





- 6. Mark the sensor wiring with a permanent marker pen around the outside of the gland, to show the sensors are positioned correctly.
- 7. Whilst carrying out sensor replacements, ensure all sensor wiring is in good condition, (e.g. Splices are made correctly, using heat shrink glue impregnated inline connectors). Refer to ML Technical bulletin GEN0008.
- 8. Ensure sensor wiring is secured correctly and not left laying loose, along with being secured in a manner where wiring is fastened away from the FC. (Refer below picture.)





Were the black sensors are used these come with a moulded gland which also acts as a locator, therefore it is not required to check the depths when fitting these.



Pocket	Picture	Implementation		MCI part	ML	No. of ML	Pocket
		MCIQ	MCIS	number	container	containers	depth
					ranges		
A		From	N/A	815514B	MSWU	28,528	230 mm
	TO B	beginning			000000 -		
		in 2005			011749		
	The second second				MSWU		
					100000 -		
					104239		
					MSWU		
					400000 -		
					400214		
					MSWU		
					900000 -		
					911228		
					MMAU		
					100000 -		
					102999		
В		December	N/A	815521C	MMAU	66,039	SCI:
		2009			103000 -		148 mm
	NO				125499		SCU:
					MNBU		165 mm
					300000 -		
					341834		
					MNBU		
					900000 -		
					903349		
С		May	N/A	815521D	MNBU	16,803	165 mm
	100	2013			341841 -		
					354690		
					MCRU		
					200000 -		
_		lum -	Fuerra di c	0100011	207499	022	177
D		June	From the	818691A	MNBU	933	177 mm
	Con .	2015	beginning		only.		
	18		in 2015				
E		July	August	815521E	MNBU	34,918	260 mm
-		2015	2015	0122515	only.	34,310	200 111111
		2013	2013		Offiny.		
1	ı	1	1	1	1	1	

