

NKK ALPHAplus : MagicFold gauge. Take the atmospheric temperature



## MagicFold gauge

### EASY TO USE

- Take the atmospheric temperature.
- Fix a hose and a quick disconnect on the MagicFold tightly.
- Connect a quick disconnect to a high side port of the auto A/C.
- Open all the windows of the car.
- Start the car engine and turn on the A/C at full blast.
- Keep the engine around 1500 to 2000RPM during the test.
- After 3-5minutes, read the pressure gauge.

### EASY TO READ

#### Red Zone - Excessive Pressure

A refrigerant may be overcharged or this critical condition is caused by an airbound refrigerant and numerous other known and unknown reasons.

#### Green Zone - Normal Condition

The a/c system is in normal condition

If the pressure indicator is placed near the 'Yellow Zone', add one bottle of 'Conditioner'

#### Yellow Zone - Pressure Deficiency

Supplement a fresh refrigerant and oil up to proper pressure.

#### Red Zone - System Impediment

This critical condition is caused by numerous known and unknown reasons. Inspect the entire system, its refrigerant and oil condition.

Disclaimer: Some pressures were derived from unpublished sources. Errors may occur  
Thus,



# Magic Fold Gauge 測量器

## 5分鐘OK!

**Magic fold** 測量器是與現有的壓力錶不同層次的新技術'新概念,汽車空調致冷劑壓力測量器,可隨時隨地迅速正確地檢查空調致冷劑.

可經常加注適量的致冷劑,不但可以節省作業時間,更無致冷劑的浪費,尤其是舒適的空調效果正可滿足顧客.

### Magic fold 的使用方法

測定施工場地的室內溫度(利用測量器上的溫度計測量)

撥盤調至所測定的溫度上.

將測量器的管與空調的高壓閥連接.

發動引擎,空調開至最高.

此時,空調的吹風模式調到內部迴圈.

車窗全部打開.

引擎轉速保持 1500rpm, 2~3 分鐘後測壓力.

但長時間行駛之後,需冷車 5 分鐘以上,才會正確.

隨所測定的結果,按照指示作出必要的措施.

### 測定方法

#### 不良 異常高壓現象

這是壓力超出正常壓力的情形,由於致冷劑過多,內部阻塞或迴圈不順,使得空調能力降低,需要調整.必須檢查致冷劑量及系統內部是否留有空氣等.

#### 正常 正常壓力

致冷劑與系統狀態正常.若壓力錶指針接近或落在最低位置(致冷劑不足)時,以"調節劑"補充.此時,以"機油檢查器"檢查機油,按狀態利用"機油補充劑"更換機油或補充.

#### 致冷劑不足 壓力不足

壓力不足的状态,發生空調能力降低,以罐裝雪種補充至適當壓力.此時,以"機油檢查器"檢查機油,按狀態利用"機油補充劑"更換機油或補充.

#### 異常低壓

致冷劑絕對不足/發生異常低壓,必須維修.需檢查是否漏氣,壓縮機狀態,皮帶張力,低壓閥壓力等.致冷劑不足時,只要補充即可.補充前,必須用"機油檢查器"檢查空調油的狀態後,按狀態利用"機油補充劑"更換機油或補充.此時,考慮是否需要同時加注空調油及致冷劑後開始作業.

\*上述結果因大氣的溫度,濕度等其他未知的條件,可能與實際狀態有所差別.



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