



DENSEI AUTO-HINGES (FOR GLASS DOOR) NK153 SERIES

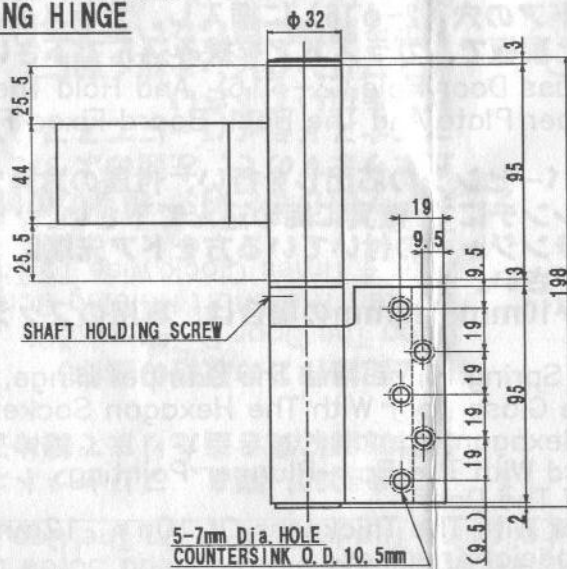
外形寸法と取付図 FIXING INSTRUCTION



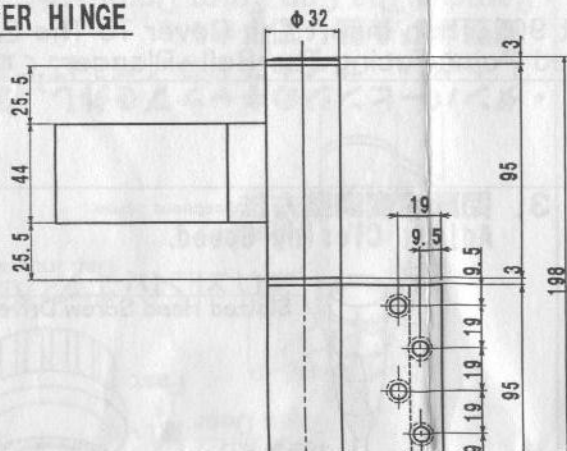
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左開き用
LEFT HAND DOOR

スプリングヒンジ
SPRING HINGE

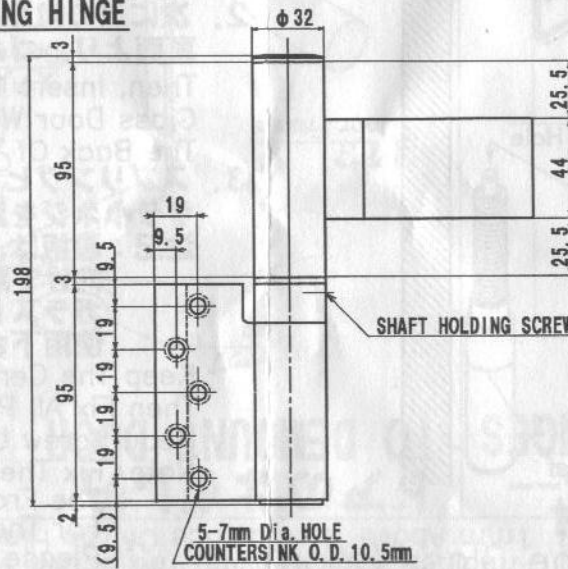


ダンパーヒンジ
DAMPER HINGE

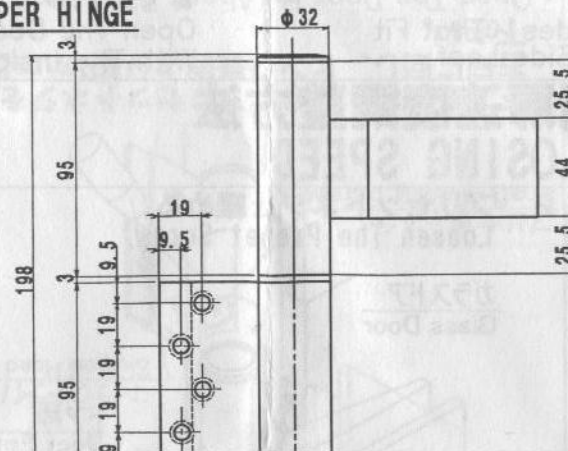


右開き用
RIGHT HAND DOOR

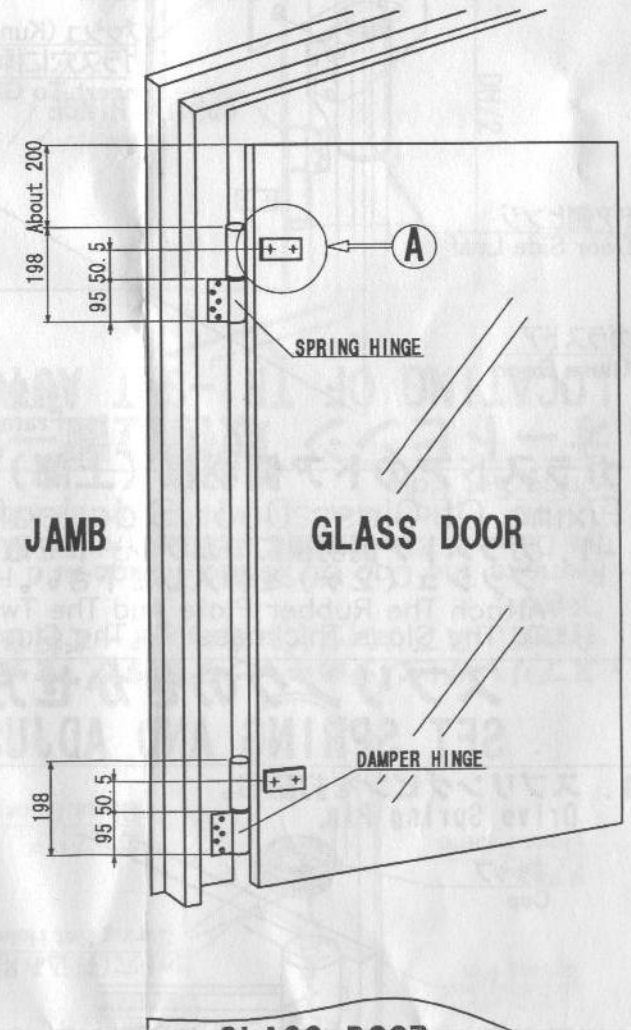
スプリングヒンジ
SPRING HINGE

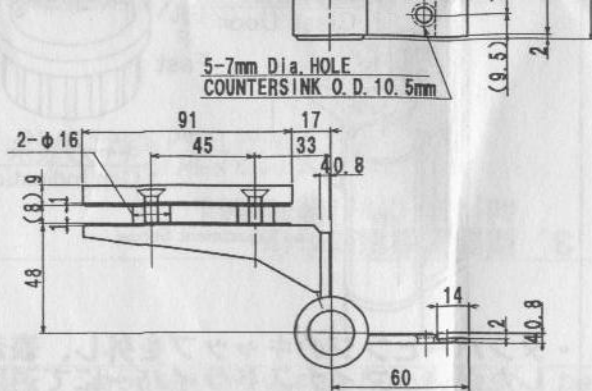


ダンパーヒンジ
DAMPER HINGE

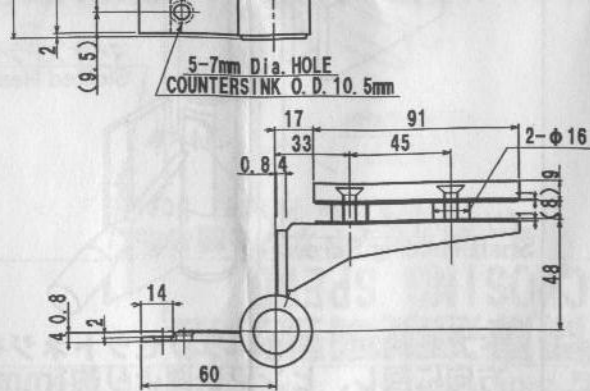


オートヒンジ 取付位置
LOCATING OF AUTO HINGES

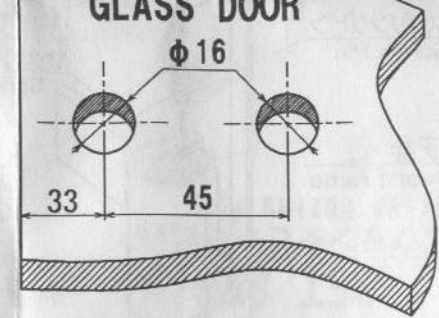




This drawing is at the position of 90° open.



This drawing is at the position of 90° open.

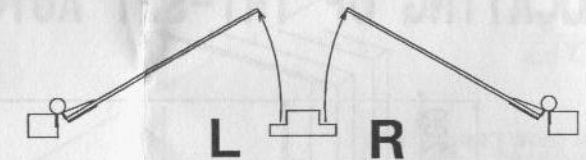


Ⓐ DETAIL

ARCHTECTURAL PRODUCTS SPESIFICATION

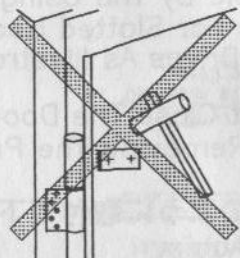
MODEL NO.	DOOR SIZE, WEIGHT	COLOR	TYPE	HAND	COMBINATION
NK153R or L	W 900mm (Max.) H 2,100mm (Max.)	Silver	No Hold open	R : RIGHT HAND SR : RIGHT HAND L : LEFT HAND SL : LEFT HAND	One Spring Hinge and One Damper Hinge
NK153SR or SL			85° Hold open		
NK153R-B or L-B	T 8, 10, 12mm 60Kg (Max)	Bronze	No Hold open		Two Spring Hinge and One Damper Hinge
NK153SR-B or SL-B			85° Hold open		
NK153R or L (TRI-SET)	W 1,000mm (Max.) H 2,200mm (Max.)	Silver	No Hold open	L : LEFT HAND SL : LEFT HAND	Two Spring Hinge and One Damper Hinge
NK153SR or SL (TRI-SET)			85° Hold open		
NK153R-B or L-B (TRI-SET)	T 8, 10, 12mm 80Kg (Max)	Bronze	No Hold open		One Empty Hinge
NK153SR-B or SL-B (TRI-SET)			85° Hold open		
NK150R or L	W 900mm (Max.) H 2,100mm (Max.)	Silver	_____		One Empty Hinge
NK150R-B or L-B		T 8, 10, 12mm 60Kg (Max)	Bronze		

CHECK CLOSING DIRECTION OF DOOR

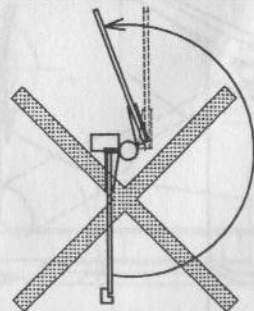


Clockwise closing (Left hand hinge) Anti-Clockwise closing (Right hand hinge)

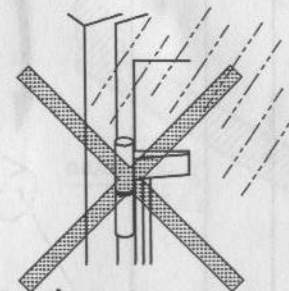
CAUTION !



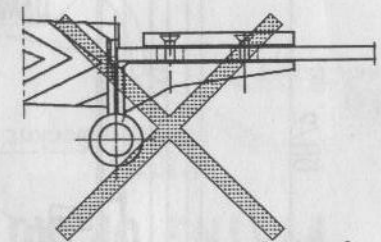
Don't hammer the body



Use Auto Hinges with the limit of 180° opening

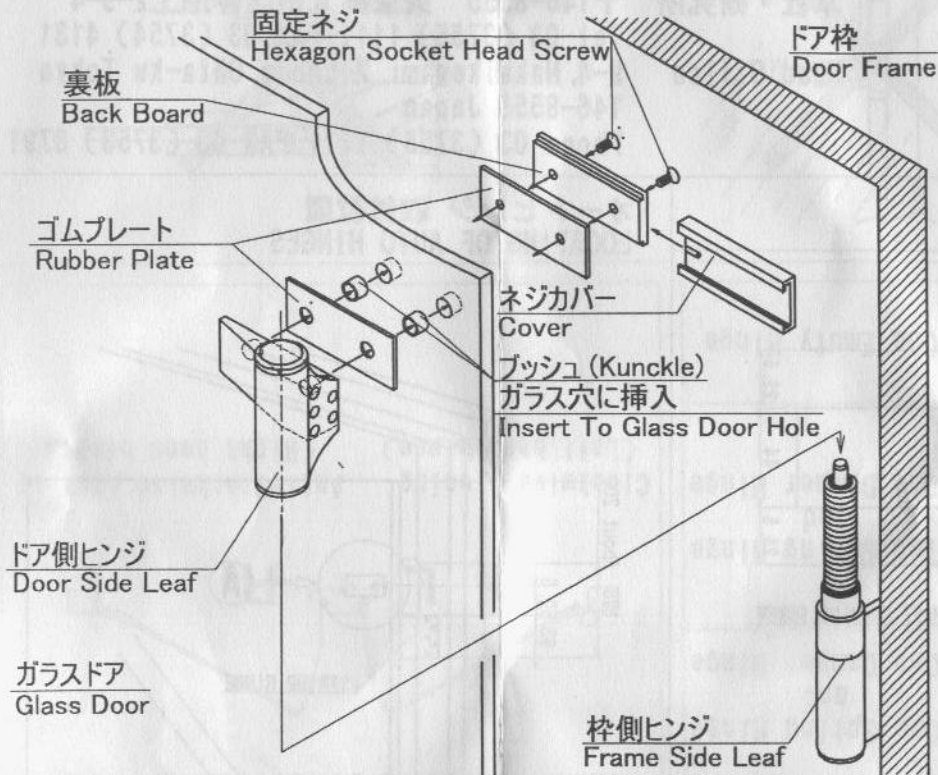


Don't try to use them for external application



Make door and jamb in a straight line

オートヒンジ取付方法 FIXING OF AUTO-HINGES

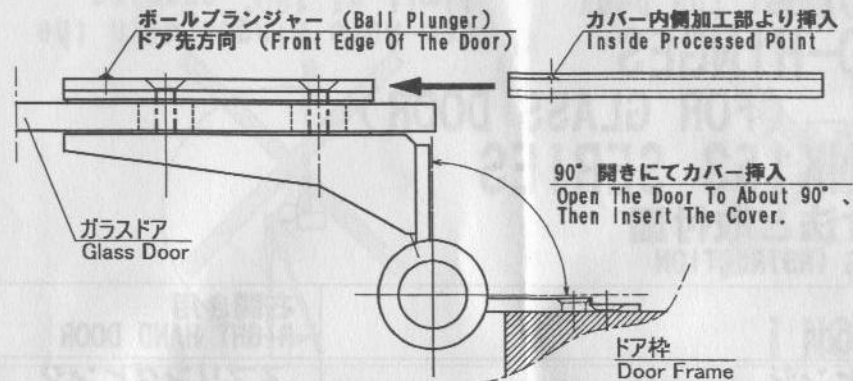


ガラスドアのドア側羽根 (上部) の取付

Fixing Of Glass Door Side leaf To The Glass Door.

1. ガラスドア側羽根にゴムプレートを取付、ガラス厚に合ったプッシュ (2ヶ) を挿入して下さい。

Attach The Rubber Plate And The Two Knuckles (That Fit To The Glass Thickness) To The Glass Door Side Leaf.



2. 次に 1の組立品をガラスドアの穴 (2-φ16) に挿入し、ガラスの裏面より、ゴムプレートと裏板で、ガラスドアを挟み込んで下さい。
Then, Insert 1 To The Glass Door Hole (2-φ16) And Hold The Glass Door With The Rubber Plate And The Back Board Fixed From The Back Of The Glass.
3. スプリングヒンジとダンパーヒンジの芯出しを行い、付属の六角穴付サラ小ネジを添付の六角レンチにて、確実に締め込んで下さい。
注記：裏板は、ボールプランジャーの付いている方をドア先端に向けて取り付けて下さい。
ガラスドアの厚みが10mm、12mmの場合は、専用のプッシュを使用下さい。

Keep The Center Of The Spring Hinge And The Damper Hinge, Then Fix All Parts To The Glass Door With The Hexagon Socket Head Screw Using The Hexagon Wrench Key.

Note: Fix The Back Board With The Ball-Plunger Pointing The Front Edge Of The Door.

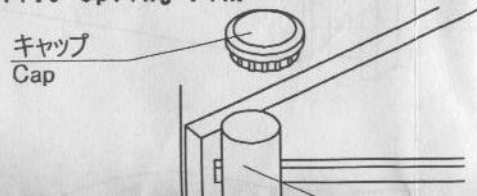
For The Glass Door With The Thickness Of 10mm, 12mm, Please Use The Special Knuckles.

4. ドアを約90° 開いて、カバーを内側加工側より、裏板に突き当たるまで挿入して下さい。

Open The Door To About 90°, Then Insert The Cover To The End With The Inside Processed Point Facing The Ball-Plunger.

スプリングのきかせ方と閉扉速度調整方法 SET SPRING AND ADJUST CLOSING SPEED

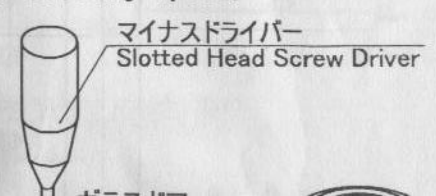
1. スプリングピンを打込む。
Drive Spring Pin.

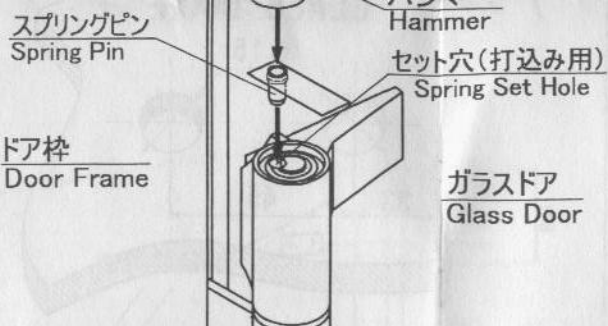


2. プリセットネジを緩める。
Loosen The Preset Screw.

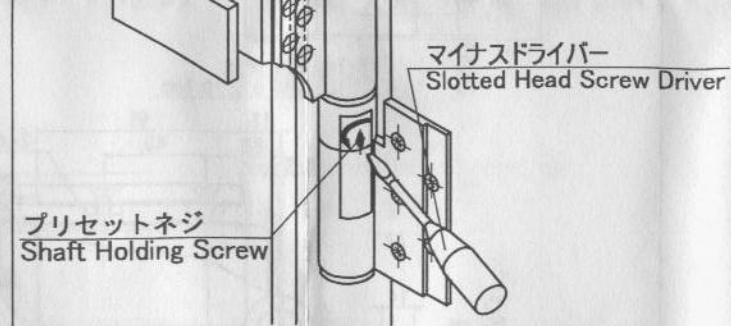


3. 閉扉速度調整方法
Adjust Closing Speed.

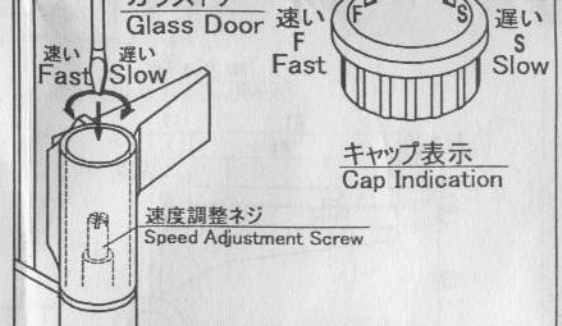




- スプリングヒンジのキャップを外し、セット穴を合わせ、スプリングピンをハンマーで打ち込んで下さい。
- Remove The Cap Of Spring-Hinge And Holding The Door At The Closed Position (At The Angle Of $0^\circ \sim 10^\circ$), Hammer Spring Pin Firmly Into The Spring Set Hole.

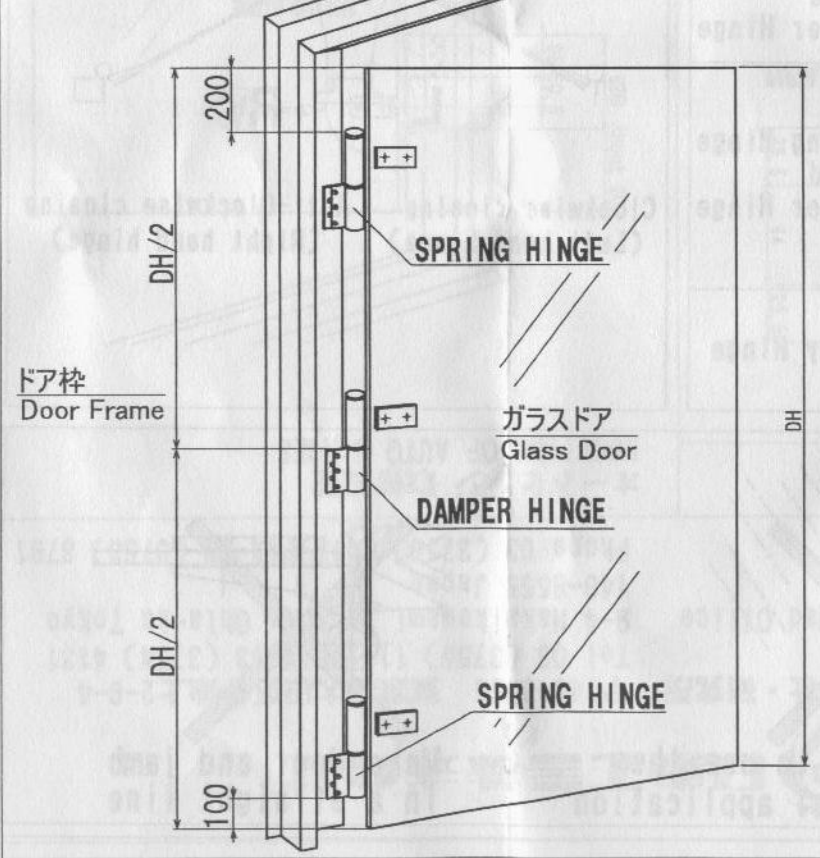


- ドアを約 30° 開き、プリセットネジを反時計方向に回し、ヒンジ表面より約1mm出して下さい。
- Open The Door By About 30° , And Loosen The Shaft Holding Screw 3 Or 4 Times Anticlock Wise, Leaving The Screw Stuck Up 1mm Above The Surface Of The Hinge.

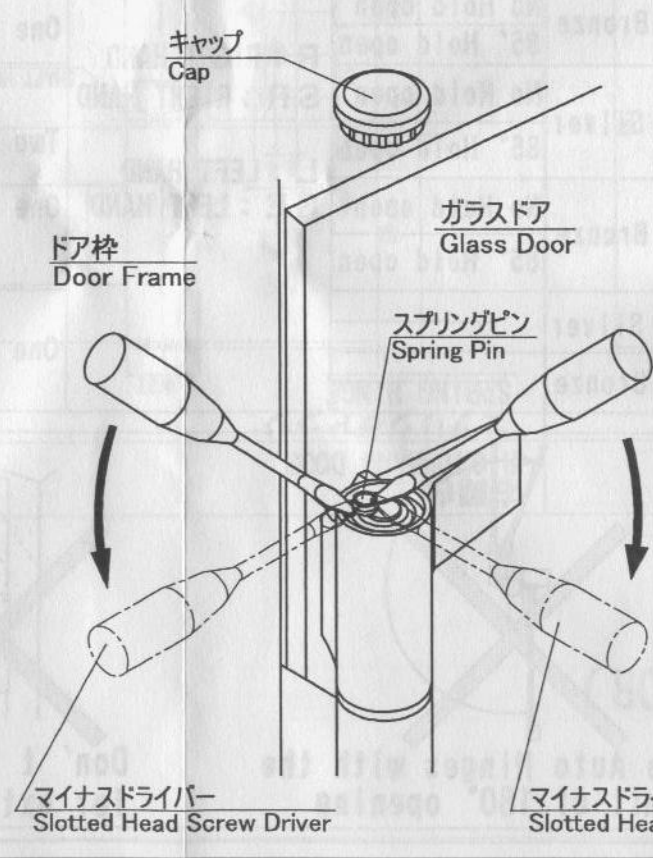


- ダンパーヒンジのキャップを外し、表示にしたがい、マイナスドライバーにて速度調整ネジを回して下さい。
- Remove The Cap From Damper-Hinge Turn The Speed Adjusting Screw Of The Damper By The Slotted Head Screw Driver, Following The Indication On The Cap.

オートヒンジ 取付位置--3枚吊-- LOCATING OF TRI-SET AUTO HINGES



ドアのはずし方 TO DEMOUNT DOOR



1. ドアを約 30° 開き、プリセットネジを時計方向に突き当たりまで締め込みます。
(上記操作2の反対の操作)
Open The Door By About 30° , And Tighten The Shaft Holding Screw 3 Or 4 Times Clock Wise To The End.
2. ドアを閉じると約 5° 程度の位置にて止まりますので、左図のようにマイナスドライバーにてスプリングピンを抜いて下さい。
(スプリングピンを抜く前にドアを無理に閉じないで下さい。)
Close The Door, Then The Door Will Stop At About 5° Position. Remove The Preset Pin From The Spring Set Hole By The Using Screw Drivers For Slotted Head Screw Screw Drives As Illustrated On The Left.
(Note: Don't Close The Door Too Hard Before Removing The Preset Pin)
3. キャップを元のように取付けて下さい。
Set The Cap Again.