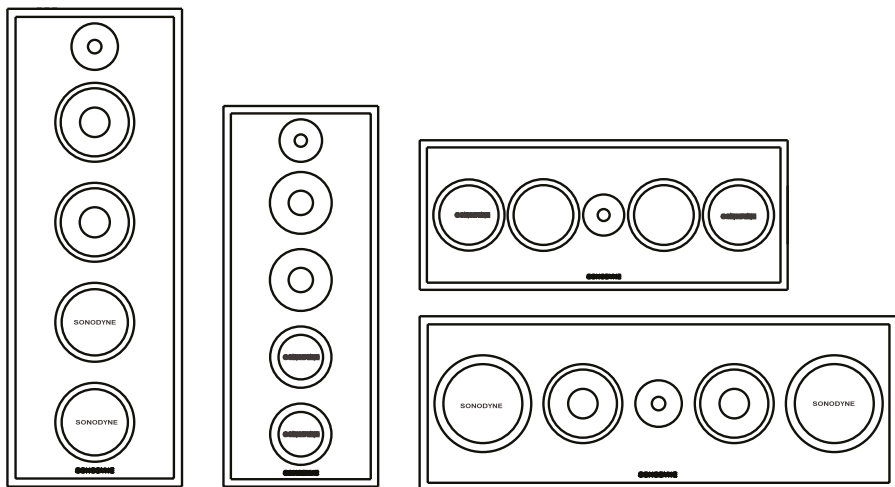


IWO 700

passive speakers | owners manual



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INTRODUCTION

Congratulations on your purchase of your IWO series loudspeaker. The IWO series is a break-through in loudspeaker design for the modern home, combining style and decor with an amazing sound quality. Elegantly finished in glossy white or black, it has a shallow profile and yet produces a full-bodied dynamic and detailed sound. It can be easily hung on your wall without looking obtrusive. What's more, you can even flush-mount on your wall using the ingenious wall-mounting kit (optional).

As far as performance is concerned, the IWO series ticks all the right boxes - build quality, design, frequency and dynamic bandwidth, and detailing. Be it for stereo or multichannel audio, you will find a suitable solution from this range.

So go ahead and play your favourite music and movies and let your eyes and ears feast.

UNPACKING

Your carton contains:

- 1 x loudspeaker
- Audiophile grade speaker cable, 3m long

Please retain all packing materials in case you need to transport the loudspeaker. We suggest that the loudspeaker be "broken in", i.e., played for some time, so that it can quickly start performing at its best! If you do not want to do this when you are at home set your source unit, i.e., CD player on "repeat entire disc" mode. Then, allow the loudspeaker to play at moderate volume level for 6 - 8 hours.

AMPLIFIER SELECTION

We recommend using amplifiers whose continuous (rms) power per channel is greater than or equal to that the speaker handles. Recommended power ratings of amplifier are given under specifications. Please see page 20 & 21.

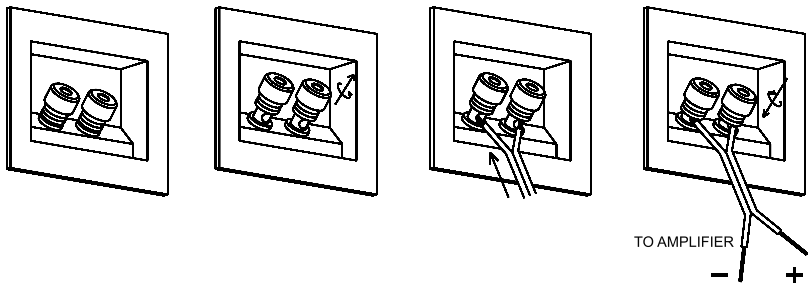
In the event that the power is greater, care must be taken to avoid playing music at excessively loud levels and thus damage the speaker. Also, while using an amplifier with rms power lower than the rated power handling of the speaker, please ensure that the amplifier volume is set such that there is no audible distortion. Lower powered amplifiers, operating at close to maximum volume, often produce distorted signals at high levels. This can lead to damage of the high frequency driver, the tweeter.

WIRE CONNECTIONS

Please proceed with the connection in the following fashion:

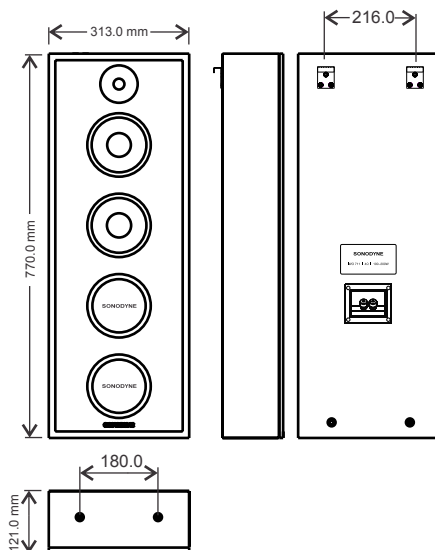
1. Turn off the amplifier.
2. Gently pull off the insulation on the cable ends (which has been pre-cut at the factory) and twist the strands on the wire.
3. Insert them into the holes on the gold plated binding posts and turn them to tighten. Please note the following
 - A. Verify that the wires from the positive terminal and negative terminal do not touch each other, as a short-circuit could damage the amplifier.
 - B. Verify that the loudspeaker is in proper phase: The + (red) terminal on the loudspeaker is connected to the + (red) terminal on the amplifier. The - (black) terminal on the loudspeaker is connected to the - (black) terminal on the amplifier.

The above are illustrated by the following sketch

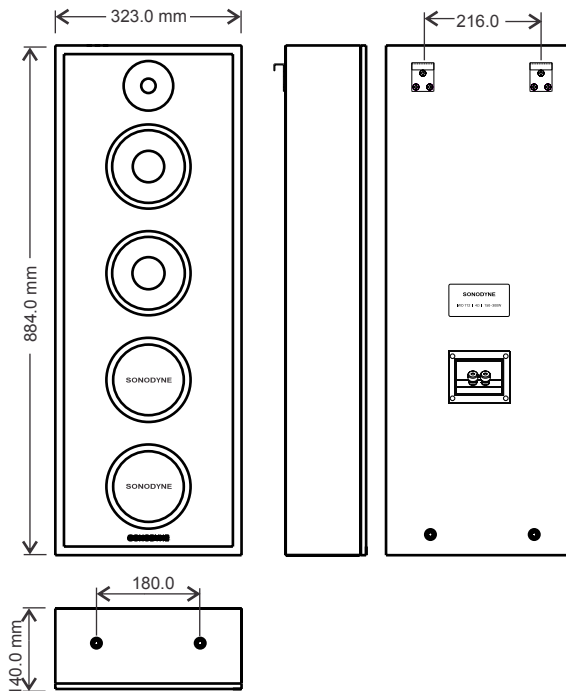


● line drawings ●

IWO 711

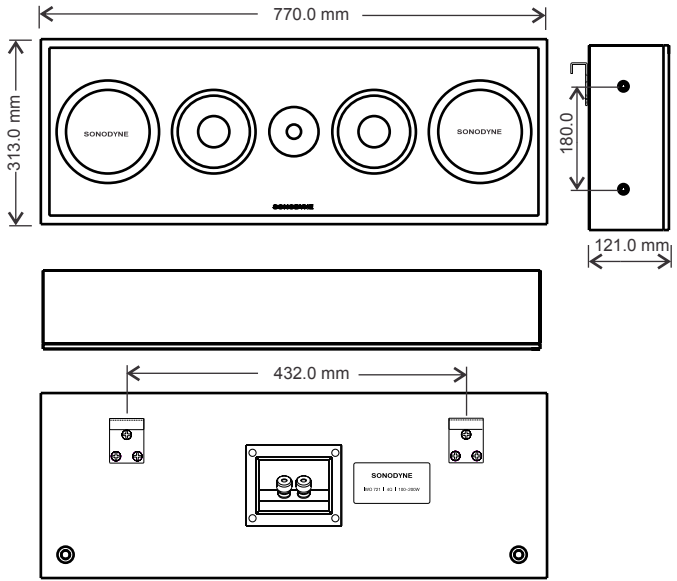


IWO 712

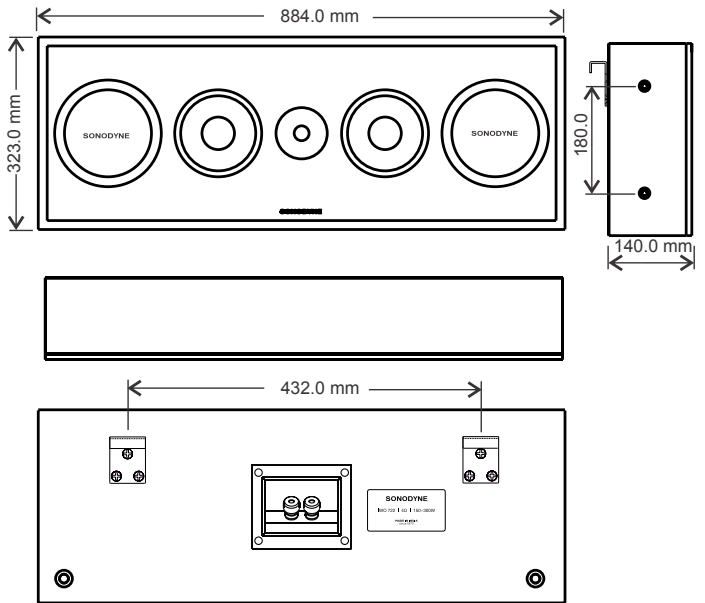


● line drawings ●

IWO 721



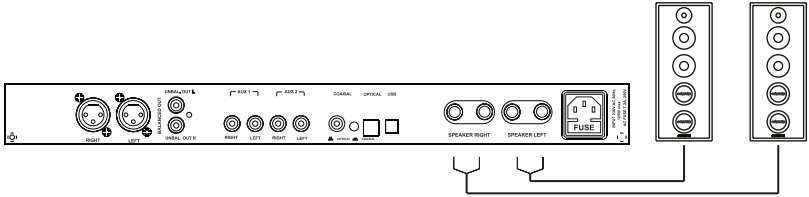
IWO 722



● connection diagrams ●

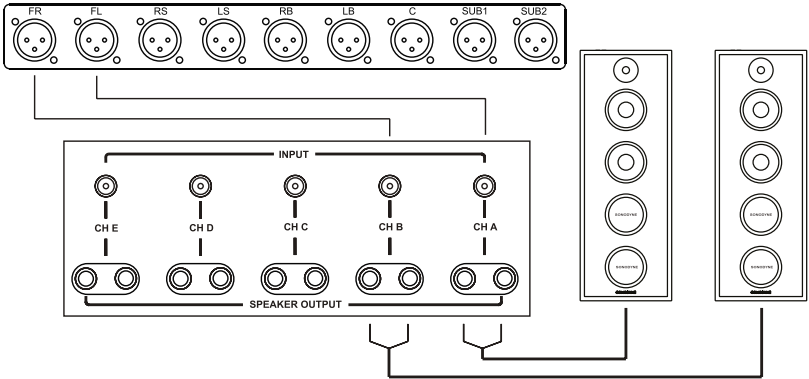
6a. CONNECTING IWO 711/712

The following figure shows the IWO 711/712 connected to a stereo setup.



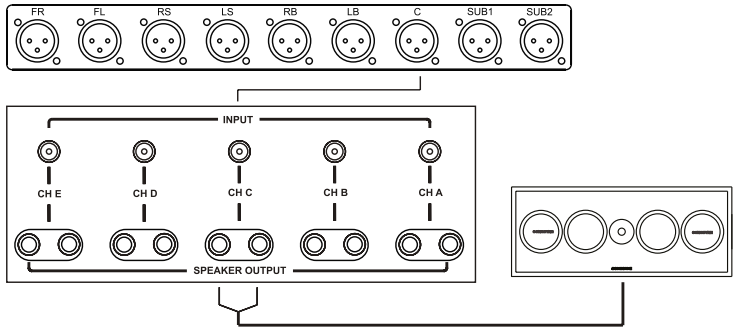
6b. CONNECTING IWO 711/712

connected as the front left and front right speakers in a 5.1 system



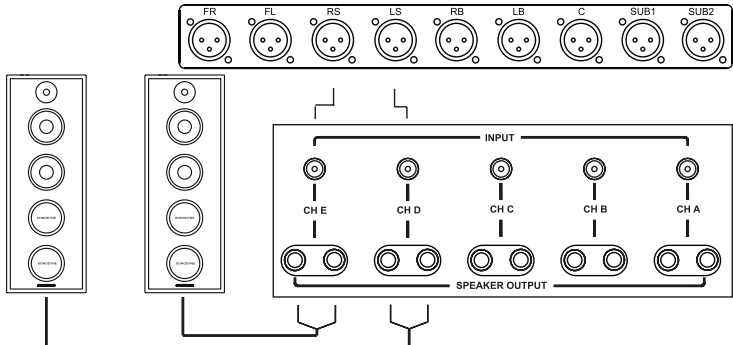
6c. CONNECTING IWO 721/722

The following figure shows the IWO 721/722 connected as the center speaker in a 5.1 (or larger multichannel) system



6d. CONNECTING ADDITIONAL IWO 711/712 AS SURROUND SPEAKERS

The following figure shows 2 x IWO 711/712 connected as the surround speakers in a 5.1 system



• speaker placements •

7a. PLACING STEREO OR FRONT LEFT AND RIGHT SPEAKERS IN A MULTI-CHANNEL SYSTEM

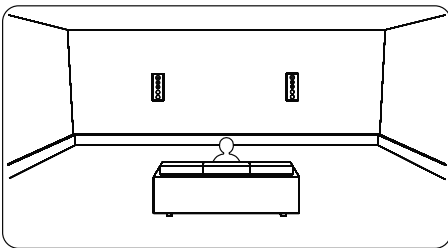
Finding the right position for the IWO 711/712/721/722 are also very important. The following should aid in locating that optimal position:

Ensure that there are no objects between the speaker and the listener in general. Avoid placing the loudspeakers near corners which will boost the low frequency level but at the same time create reflections in the midrange and treble area, which results in a deterioration of the stereo image. As a guideline, for optimum placement, the distance to the side wall should be at least 50~80 cm.

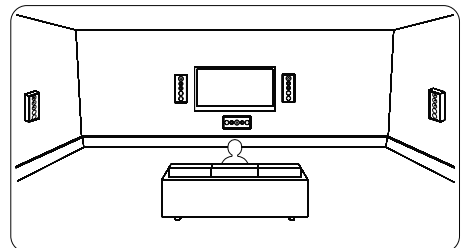
The distance between the IWO 711/712 should be the same as the distance from either loudspeaker (left and right) to your preferred listening position (thus forming an equilateral triangle with the left, right speakers, and you as the three vertices.) If distances are not a premium, then the optimal position could be attained by playing a stereo recording, separating the left and right speakers till an acoustical hole is formed in the middle. Then bring the two speakers together to attain a uniform sound front.

Another important point to bear in mind while placing the speakers is that the tweeters of the speaker are at ear level. Detach the grill so you can see the tweeter

The following figure shows a typical room placement with the 711/712 connected as the front left and right speakers in a stereo system

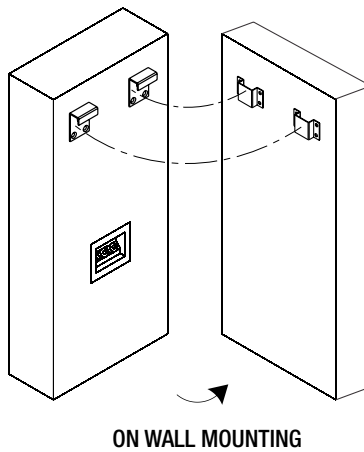
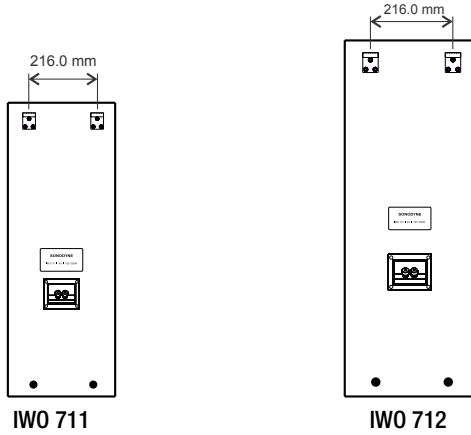


The following figure shows a typical room placement with the IWO 711/712/721/722 connected as the front left and right speakers in a 5.1 system

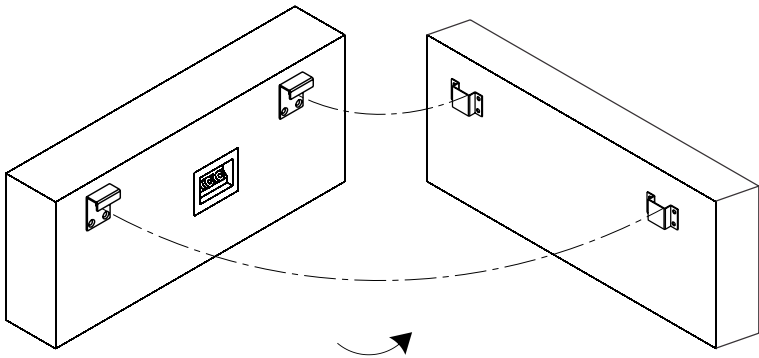
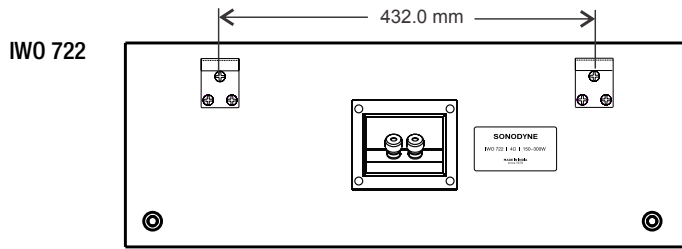
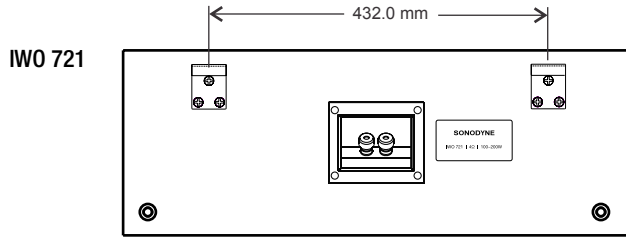


● on-wall mounting ●

The IWO 700 series have 1 pair of brackets mounted on the rear. These brackets mate with another pair which are fixed to the wall as shown in the figure below. The distance between the brackets are shown in the figures below. Templates for fixing the wall-mount brackets are provided with the speakers, inside the carton.



● on-wall mounting ●



ON WALL MOUNTING

● acoustics of the listening room ●

The acoustical makeup of your listening room is key in determining how good (bad) is the sound that reaches your ear. The contents of a room (carpets, curtains, furniture etc.), its shape, and the material of which the boundaries are made, make or break your sound.

The idea is to have a listening area where the absorptions and reflections are calibrated to attain, as far as possible, a neutral environment. While there are no 'quick fix' formulae to convert a 'room' to an 'ideal listening room,' here are some things that you might try to attain optimal performance.

In your listening room, clap your hands, snap your fingers, and jingle a ring of keys. If the resulting sound is unintelligible (muffled), and resonating, your room is inclined toward being reflective. In this event, you might want to: Hang up curtains/ Lay a carpet or rug/ Introduce book cases/ other racks. In the event that the resulting sound is too damped your room is inclined toward being absorptive. You might want to remove some of the absorptive material (like those given above)

CARE & MAINTENANCE

All Sonodyne loudspeakers of the Sonus range are manufactured with modern and thoroughly tested materials, which normally do not require any maintenance other than once in a while opening the front grille and vacuuming the cloth. If the loudspeaker's cabinet becomes greasy you may clean it by moistening a soft cloth with water and a mild soap to remove the dirt. Then, use a dry cloth to wipe and restore the original finish. Please DO NOT use scouring powder, petrol, or any sort of alcohol or solvents to clean the loudspeaker. It will damage the finish permanently.

● specifications ●

	IWO 711	IWO 712
DESCRIPTION	2 1/2 way, passive loudspeaker	2 1/2 way, passive loudspeaker
ENCLOSURE	MDF	MDF
TRANSDUCER COMPLEMENTS: HF	1" dome tweeter	1" dome tweeter
TRANSDUCER COMPLEMENTS: LF	2 x 5" glass-fibre cone woofers 2 x 5" high-compliance passive radiators	2 x 6" glass-fibre cone woofers 2 x 6" high-compliance passive radiators
RECOMMENDED AMPLIFIER POWER	100 ~ 200 W	150 ~ 300 W
NOMINAL IMPEDANCE	8Ω	8Ω
SENSITIVITY (1W 1M)	88dB	89dB
FREQ. RESPONSE (-3dB) ON AXIS	56Hz ~ 22kHz	43Hz ~ 22kHz
FREQ. EXTENSION (-10dB)	34Hz ~ 25kHz	32Hz ~ 25kHz
CROSSOVER FREQ.	2.5kHz and 3.9kHz	1.7kHz and 2.3kHz
INPUTS	Gold plated binding post	Gold plated binding post
FINISH	Colour options: semi gloss white / black	Colour options: semi gloss white / black
DIMENSIONS (HxWxD)	770 x 313 x 121 mm	884 x 323 x 140 mm
NET WEIGHT	10.9kg	15.2kg
IN THE BOX	User manual, grill	User manual, grill
ACCESSORIES	IWO WB 63 (In wall bracket)	IWO WB 63 (In wall bracket)

Due to continuous improvements, all specifications are subject to change

● specifications ●

	IWO 721	IWO 722
DESCRIPTION	2 1/2 way passive loudspeakers for centre channel	2 1/2 way passive loudspeakers for centre channel
ENCLOSURE	MDF	MDF
TRANSDUCER COMPLEMENTS: HF	1" dome tweeter	1" dome tweeter
TRANSDUCER COMPLEMENTS: LF	2 x 5" glass-fibre cone woofers 2 x 5" high-compliance passive radiators	2 x 6" glass-fibre cone woofers 2 x 6" high-compliance passive radiators
RECOMMENDED AMPLIFIER POWER	100 ~ 200 W	150 ~ 300 W
NOMINAL IMPEDANCE	8Ω	8Ω
SENSITIVITY (1W 1M)	88dB	89dB
FREQ. RESPONSE (-3dB) ON AXIS	56Hz ~ 22kHz	43Hz ~ 22kHz
FREQ. EXTENSION (-10dB)	34Hz ~ 25kHz	32Hz ~ 25kHz
CROSSOVER FREQ.	2.5kHz and 3.9kHz	1.7kHz and 2.3kHz
INPUTS	Gold plated binding post	Gold plated binding post
FINISH	Colour options: semi gloss white / black	Colour options: semi gloss white / black
DIMENSIONS (HxWxD)	313 x 770 x 121 mm	323 x 884 x 140 mm
NET WEIGHT	10.9kg	15.2kg
IN THE BOX	User manual, grill	User manual, grill
ACCESSORIES	IWO WB 63 (In wall bracket)	IWO WB 63 (In wall bracket)

Due to continuous improvements, all specifications are subject to change

● warranty information ●

In substitution of any warranty or condition implied, this equipment is warranted against failure arising through faulty workmanship or material for a period of 24 calendar months from the date of purchase. During this period, subject to the conditions stated here, the manufacturer will replace or repair any defective part free of charge (including parts and labour). This warranty is only given with respect to faulty workmanship and/ or materials and does not cover misuse or consequential damage. Claims under the warranty will be considered only if the product is returned to an authorised SONODYNE Service Centre directly, or through an authorized reseller.

- This warranty is applicable only to the original purchaser when purchase is made directly from SONODYNE or from an authorized SONODYNE reseller. Any claim be accompanied by the original Tax / GST invoice.
- The warranty DOES NOT COVER:
 - a. Damage resulting from incorrect installation or use not in accordance with the operating instruction issued by the manufacturer.
 - b. Consequential damage.
- This warranty will be rendered invalid if any unauthorized alteration, modification or substitution is carried out or if the Serial No. is altered and/ or defaced.
- All equipment for servicing must be sent, carriage paid, to an authorized Service Centre, The Company will accept no responsibility for loss or damage in transit
- If the equipment or any part of it is returned for any cause not covered by the warranty, all costs involved, including charges for inspection and handling will have to be borne by the customer.
- No reseller has the authority to vary the terms of this warranty.

Register your product
to activate your warranty:
<https://sonodyne.com/registerproduct>




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product or write about your Sonodyne
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If you have anything less than a 5 star experience,
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and we will make it right

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